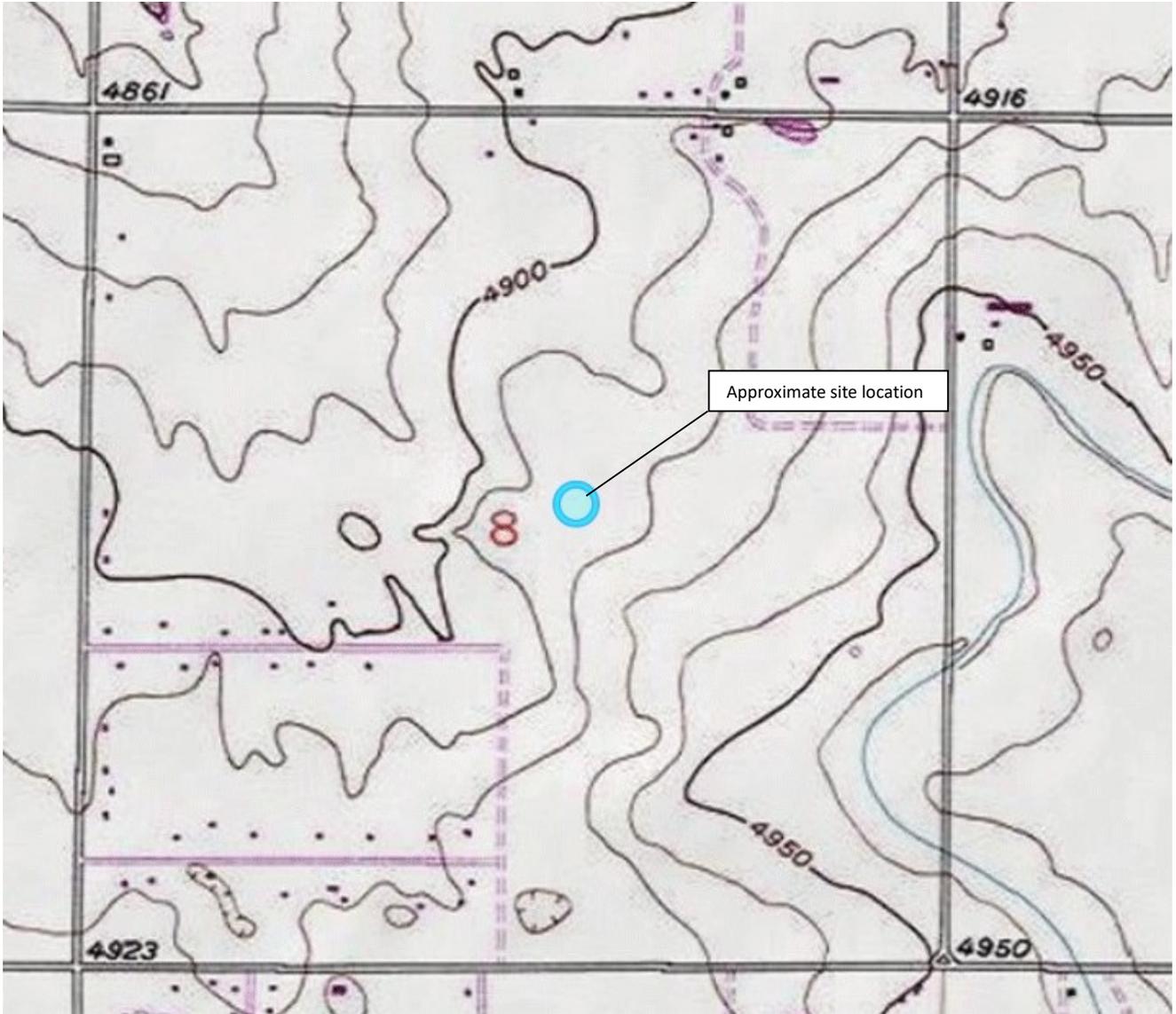


FIGURES



Approximate site location



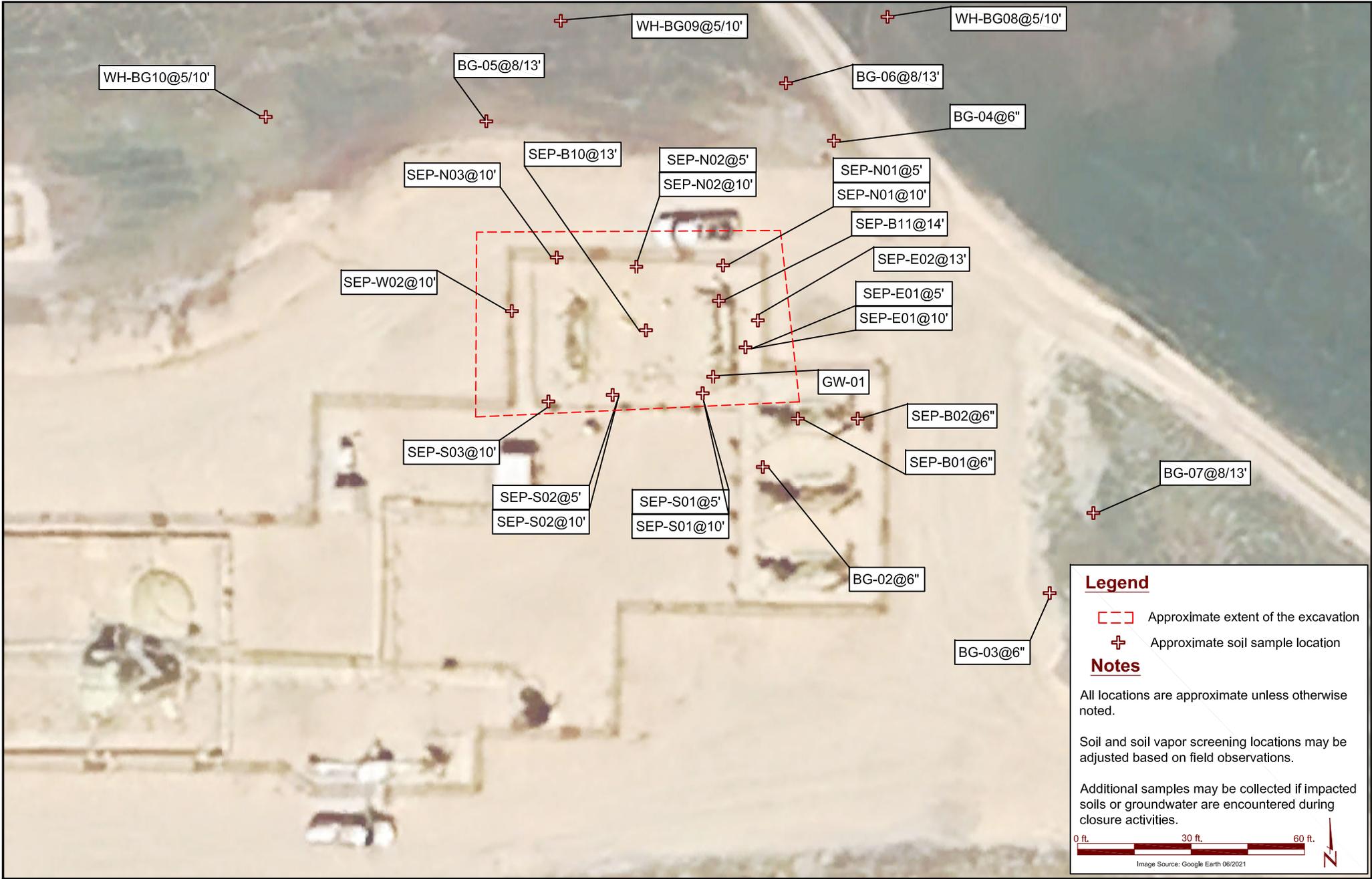
Figure 1

Site Location Map
Kerr-McGee Oil and Gas Onshore LP
Sater 24C,40N,24N,25C-5HZ O SA Facility
 SWNE Sec. 8-T2N-R67W
 Weld County, Colorado



Source: USGS 7.5 Minute Topographic Map, Gowanda, CO Quadrangle

Drawn By: AM Date: 12/20/2023



DATE: March 14, 2024

DESIGNED BY: D. Coloccia

DRAWN BY: B. Bates



Kerr-McGee Oil and Gas Onshore LP
Sater 24C,40N,24N,25C-5HZ Production Facility
 SWNE Sec. 8-T2N-R67W
 Weld County, Colorado

Sample Location Map

Figure 2

TABLES

TABLE 2
SATER 24C,40N,24N,25C-5HZ O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Naphthalene (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.0026	0.69	0.78	9.9	500			0.0038	0.0081	0.0087
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		1.2	490	5.8	58	500			2	30	27
Tank Battery Soil Samples											
Initial Waste Characterization @ 6"	12/19/23	116	427	74.6	616	11200	36900	12000	31.7	204	89.8
SEP-B01 @ 6"	1/29/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B02 @ 6"	1/29/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B03 @ 5'	1/29/24	<0.00200	0.0289	0.0294	0.456	17.7	1650	811	0.954	4.45	0.157
SEP-B04 @ 6"	1/29/24	<0.00200	0.00232	0.00574	0.0124	3.79	392	294	0.031	0.00542	<0.00200
SEP-B07 @ 6"	1/29/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B08 @ 6"	1/29/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N01 @ 5'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N01 @ 10'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N02 @ 5'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N02 @ 10'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	0.00300
SEP-W01 @ 5'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-W01 @ 10'	2/23/24	<0.00200	<0.00200	<0.00200	0.00532	<0.200	<25.0	<100	<0.002	0.00846	0.00292
SEP-E01 @ 5'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-E01 @ 10'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B09 @ 13'	2/23/24	<0.00200	<0.00200	<0.00200	0.00412	2.20	<25.0	<100	<0.002	0.0160	0.00822
SEP-B10 @ 13'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S01 @ 5'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S01 @ 10'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S02 @ 5'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S02 @ 10'	2/23/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	0.00650	0.00266
SEP-W02 @ 10'	3/13/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-N03 @ 10'	3/13/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-S03 @ 10'	3/13/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-B11 @ 14'	3/13/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200
SEP-E02 @ 13'	3/13/24	<0.00200	<0.00200	<0.00200	<0.00200	<0.200	<25.0	<100	<0.002	<0.00200	<0.00200

⁽¹⁾ ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

< = Analytical result is less than the laboratory reporting limit

mg/kg = milligrams per kilogram

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

TMB = Trimethylbenzene



TABLE 3
SATER 24C,40N,24N,25C-5HZ O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - SOIL SUITABILITY FOR RECLAMATION
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Depth (ft. bgs)	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC standards for soil (mg/kg) ⁽¹⁾			6 - 8.3	<6	<4	2
Site-Specific Background Limits			8.25	2.41	0.782	0.385
Tank Battery Soil Samples						
Initial Waste Characterization @ 6"	12/19/23	0.5	7.66	3.08	1.07	0.382
SEP-B01 @ 6"	1/29/24	0.5	8.03	0.326	0.435	<0.101
SEP-B02 @ 6"	1/29/24	0.5	7.81	0.128	0.244	<0.0998
SEP-B04 @ 6"	1/29/24	0.5	7.93	0.426	0.511	<0.101
SEP-B07 @ 6"	1/29/24	0.5	7.87	0.379	1.53	0.191
SEP-B08 @ 6"	1/29/24	0.5	7.05	0.0796	0.157	<0.0995
Background Soil Samples						
BG-01 @ 6"	12/19/23	0.5	7.99	0.110	0.107	<0.0999
BG-02 @ 6"	12/19/23	0.5	8.09	0.148	0.301	0.182
BG-03 @ 6"	12/19/23	0.5	7.77	0.0892	0.134	<0.101
BG-04 @ 6"	12/19/23	0.5	8.25	2.41	0.782	0.385

⁽¹⁾ Standards for soil are taken from ECMC Table 915-1, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

ft. bgs = Feet below ground surface

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

SAR = Sodium Absorption Ratio

EC = Electrical Conductivity

TABLE 4
SATER 24C,40N,24N,25C-5HZ O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - PAHs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	1-Methyl-naphthalene (mg/kg)	2-Methyl-naphthalene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)-anthracene (mg/kg)	Benzo(a)-pyrene (mg/kg)	Benzo(b)-fluoranthene (mg/kg)	Benzo(k)-fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)-anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Ideno(1,2,3-cd)-pyrene (mg/kg)	Pyrene (mg/kg)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.006	0.019	0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		18	24	360	1,800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180
<i>Tank Battery Soil Samples</i>															
Initial Waste Characterization @ 6"	12/19/23	62.4	89.0	6.39	0.518	0.134	<0.200	<0.200	<0.200	0.711	<0.200	0.228	9.19	<0.200	0.401
SEP-B01 @ 6"	1/29/24	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B02 @ 6"	1/29/24	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B03 @ 5'	1/29/24	2.69	4.89	0.460	<0.020	0.005	NA	NA	NA	0.059	NA	<0.020	0.618	NA	0.036
SEP-B04 @ 6"	1/29/24	0.299	0.503	0.077	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B07 @ 6"	1/29/24	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-B08 @ 6"	1/29/24	<0.002	<0.002	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
SEP-N01 @ 5'	2/23/24	0.004	0.008	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-N01 @ 10'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-N02 @ 5'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-N02 @ 10'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-W01 @ 5'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-W01 @ 10'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-E01 @ 5'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-E01 @ 10'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-B09 @ 13'	2/23/24	0.002	0.005	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-B10 @ 13'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-S01 @ 5'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-S01 @ 10'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-S02 @ 5'	2/23/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-S02 @ 10'	2/23/24	<0.002	0.003	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-W02 @ 10'	3/13/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-N03 @ 10'	3/13/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-S03 @ 10'	3/13/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-B11 @ 14'	3/13/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020
SEP-E02 @ 13'	3/13/24	<0.002	<0.002	<0.020	<0.020	<0.005	NA	NA	NA	<0.020	NA	<0.020	<0.020	NA	<0.020

Notes:

⁽¹⁾ Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbons

NA = Not Analyzed

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

TABLE 5
SATER 24C,40N,24N,25C-5HZ O SA
SOIL SAMPLE RESULTS SUMMARY TABLE - METALS
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
<i>ECMC standards for soil (mg/kg) ⁽¹⁾</i>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
<i>ECMC standards for soil (mg/kg) ⁽²⁾</i>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
<i>Site-Specific Background Limits</i>		5.26	106.6	NA	NA	NA	NA	NA	NA	NA	NA
<i>Tank Battery Soil Samples</i>											
Initial Waste Characterization @ 6"	12/19/23	2.95*	78.2	<0.0992	*<0.5	<9.92	6.21	6.82	0.171	<0.0992	26.4
SEP-B01 @ 6"	1/29/24	2.97*	46.7	0.0970	*<0.5	<9.15	6.15	7.60	0.166	<0.0915	36.3
SEP-B02 @ 6"	1/29/24	3.21*	37.5	0.0960	*<0.5	<9.06	6.33	8.23	0.218	<0.0906	48.4
SEP-B03 @ 5'	1/29/24	2.92*	77.4	NA	NA	NA	6.23	8.00	0.176	NA	36.6
SEP-B04 @ 6"	1/29/24	3.47*	41.0	0.194	*<0.5	<9.28	6.17	7.42	0.191	<0.0928	41.9
SEP-B07 @ 6"	1/29/24	2.56*	45.2	0.275	*<0.5	<9.16	4.89	6.55	0.128	<0.0916	41.6
SEP-B08 @ 6"	1/29/24	1.77*	31.6	0.488	*<0.5	<9.93	4.29	5.04	<0.0993	<0.0993	36.4
SEP-N01 @ 5'	2/23/24	3.66	76.2	NA	NA	NA	5.92	7.06	<0.244	NA	<34.8
SEP-N01 @ 10'	2/23/24	1.78*	81.6	NA	NA	NA	6.87	5.40	0.147	NA	<36.1
SEP-N02 @ 5'	2/23/24	1.61*	50.8	NA	NA	NA	4.26	5.99	<0.0906	NA	<33.5
SEP-N02 @ 10'	2/23/24	1.33*	44.3	NA	NA	NA	3.35	5.00	<0.0931	NA	<34.5
SEP-W01 @ 5'	2/23/24	1.57*	46.4	NA	NA	NA	3.99	5.80	<0.0856	NA	<31.7
SEP-W01 @ 10'	2/23/24	1.78*	63.6	NA	NA	NA	5.70	5.77	<0.0882	NA	<32.6
SEP-E01 @ 5'	2/23/24	1.48*	41.2	NA	NA	NA	4.12	5.39	<0.0910	NA	<33.7
SEP-E01 @ 10'	2/23/24	1.48*	49.5	NA	NA	NA	4.55	4.88	<0.0907	NA	<33.6
SEP-B09 @ 13'	2/23/24	3.09	88.5	NA	NA	NA	7.33	8.45	<0.0883	NA	35.2
SEP-B10 @ 13'	2/23/24	2.63	93.3	NA	NA	NA	7.82	9.48	<0.0941	NA	41.0
SEP-S01 @ 5'	2/23/24	2.02	54.5	NA	NA	NA	5.26	5.11	0.133	NA	<32.3
SEP-S01 @ 10'	2/23/24	1.87*	50.5	NA	NA	NA	5.68	5.37	<0.0850	NA	<31.5
SEP-S02 @ 5'	2/23/24	3.06	75.5	NA	NA	NA	8.93	9.16	0.186	NA	40.9
SEP-S02 @ 10'	2/23/24	2.46	104	NA	NA	NA	6.77	6.86	0.210	NA	<34.8
<i>Background Soil Samples</i>											
BG-01 @ 6"	12/19/23	4.21	57.1	0.148	<0.5	<9.36	6.51	7.25	0.222	<0.0936	38.0
BG-02 @ 6"	12/19/23	2.30	59.6	0.111	<0.5	<9.64	6.48	6.71	<0.0964	<0.0964	26.6
BG-03 @ 6"	12/19/23	2.35	61.1	0.142	<0.5	<0.935	7.50	6.79	<0.0935	<0.0935	30.6
BG-04 @ 6"	12/19/23	2.54	85.3	0.141	<0.5	9.16	7.93	8.41	<0.0903	<0.0903	33.7
BG-05 @ 8'	2/23/24	1.38	33.5	NA	NA	NA	5.18	3.73	<0.0877	NA	<32.4
BG-05 @ 13'	2/23/24	1.52	48.5	NA	NA	NA	4.22	5.85	<0.0869	NA	<32.1
BG-06 @ 8'	2/23/24	1.40	49.8	NA	NA	NA	4.55	5.18	<0.0869	NA	<32.1
BG-06 @ 13'	2/23/24	1.26	43.7	NA	NA	NA	2.58	2.71	<0.0910	NA	<33.7
BG-07 @ 8'	2/23/24	1.47	51.5	NA	NA	NA	4.08	5.78	<0.0861	NA	<31.8
BG-07 @ 13'	2/23/24	1.41	41.8	NA	NA	NA	3.54	5.40	<0.0905	NA	<33.5

Notes:

⁽¹⁾ Standards are taken from ECMC Table 915-1: Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

⁽²⁾ Standards for soil are taken from ECMC Table 915-1: Residential Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

* = compound is in accordance with the ECMC Table 915-1 Footnote 9.

Values presented in **BOLD*** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations, but are within background concentrations.

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations and background concentrations.

Background soil sample **BG-01 @ 6"** was utilized to calculate a background concentration for arsenic of **5.26 mg/kg**.

Background soil sample **BG-04 @ 6"** was utilized to calculate a background concentration for barium of **106.6 mg/kg**.

Background soil sample **BG-05 @ 13'** was utilized to calculate a background concentration for arsenic of **1.9 mg/kg**.

NA = Not Analyzed

TABLE 6
SATER 24C,40N,24N,25C-5HZ O SA
GROUNDWATER RESULTS SUMMARY TABLE - VOCs
KERR-McGEE OIL AND GAS ONSHORE LP

Sample Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- Trimethylbenzene (µg/L)	1,3,5- Trimethylbenzene (µg/L)
ECMC Standards for Groundwater (µg/L) ⁽¹⁾		5	560	700	1400	140	67	67
GW-01	02/23/24	1.88	8.86	10.5	172	3.15	67.1	33.9

⁽¹⁾ Standards are taken from ECMC Table 915-1:Protection of Groundwater Soil Screening Level Concentrations, effective January 15, 2021

ECMC = Energy and Carbon Management Commission

µg/L = micrograms per liter

Values presented in **BOLD** contained concentrations exceeding ECMC Table 915-1 Cleanup Concentrations

**ATTACHMENT A
LABORATORY ANALYTICAL
RESULTS**

December 29, 2023

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Sater 24C 40N 24N 25C-5 Project Number - [none]

Attached are your analytical results for KMG - Sater 24C 40N 24N 25C-5 received by Origins Laboratory, Inc. December 19, 2023. This project is associated with Origins project number Y312575-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C 40N 24N 25C-5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Initial Waste Characterization @6'	Y312575-01	Soil	December 19, 2023 13:30	12/19/2023 16:10
BG-01@6"	Y312575-02	Soil	December 19, 2023 13:45	12/19/2023 16:10
BG-02@6"	Y312575-03	Soil	December 19, 2023 13:50	12/19/2023 16:10
BG-03@6"	Y312575-04	Soil	December 19, 2023 14:00	12/19/2023 16:10
BG-04@6"	Y312575-05	Soil	December 19, 2023 14:10	12/19/2023 16:10

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

ORIGINS
LABORATORY, INC

www.originslaboratory.com

page 1 of 1

Client: Eagle Environmental (079)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: dan.coloccia@eagle-env.com

Project Manager: D. Coloccia
 Project Name: Sater 24C 40N 24N 25C-5
 Project Number: ---
 Samples Collected By: SG

Impacted

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis				Sample Instructions				
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other	Full Table 415-1	EC/pH		SAR	Boron	Metals	
Initial Waste	12/19/23	1330	3	X									X					
Characterization @ 6"																		
BG-01 @ 6"	12/19/23	1345	3	X						X			X	X	X			
BG-02 @ 6"		1350								X			X	X	X			
BG-03 @ 6"		1400								X			X	X	X			
BG-04 @ 6"		1410								X			X	X	X			

Relinquished By: [Signature] Date: 12/19/2023 Time: 1000

Received By: [Signature] Date: 12/19/23 Time: 1010

Turnaround Time: Same Day 24 Hr 48 Hr 72 Hr Standard

Temp Received: 5 Date Results Needed

Origins Laboratory, Inc.

[Signature]

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: U312575

Client: Eagle

Client Project ID: Sater 24C 40N 24N 25C-

Checklist Completed by: EHS

Shipped Via: 40

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 12/19/12

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 115 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

[Signature]
 Reviewed by (Project Manager)

12/19/12
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

**Initial Waste Characterization @
 12/19/2023 1:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y312575-01 (Soil)**

Boron (DTPA Sorbitol)

Boron	0.382		0.0992	mg/L	1	B3L2011	12/20/2023	12/21/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	36900		250	mg/kg	10	B3L1934	12/19/2023	12/20/2023	
Residual Range Organics (C28-C40)	12000		1000	"	"	"	"	"	

Surrogate: o-Terphenyl	2190 %		50-150			"	"	"	S-06
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	204		5.00	mg/kg	2500	B3L1935	"	12/20/2023	
1,3,5-Trimethylbenzene	89.8		0.500	"	250	"	"	12/20/2023	
Benzene	116		5.00	"	2500	"	"	12/20/2023	
Ethylbenzene	74.6		0.500	"	250	"	"	12/20/2023	
Toluene	427		5.00	"	2500	"	"	12/20/2023	
Xylenes, total	616		5.00	"	"	"	"	"	
Gasoline Range Hydrocarbons	11200		500	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	92.5 %		70-130			"	"	12/20/2023	
Surrogate: Toluene-d8	117 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	119 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

**Initial Waste Characterization @
 12/19/2023 1:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y312575-01 (Soil)**

Metals by Saturated Paste by EPA 6010

Calcium	3.71		0.499	meq/L	10	[CALC]	12/20/2023	12/22/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	4.49		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	62.4		0.200	mg/kg	100	B3L1929	12/19/2023	12/20/2023	
2-Methylnaphthalene	89.0		2.00	"	1000	"	"	12/20/2023	
Acenaphthene	6.39		0.200	"	10	"	"	12/20/2023	
Anthracene	0.518		0.200	"	"	"	"	"	
Benzo (a) anthracene	0.134		0.050	"	"	"	"	"	
Benzo (a) pyrene	ND		0.200	"	"	"	"	"	R-05, U
Benzo (b) fluoranthene	ND		0.200	"	"	"	"	"	R-05, U
Benzo (k) fluoranthene	ND		0.200	"	"	"	"	"	R-05, U
Chrysene	0.711		0.200	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		0.200	"	"	"	"	"	R-05, U
Fluoranthene	0.228		0.200	"	"	"	"	"	
Fluorene	9.19		0.200	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND		0.200	"	"	"	"	"	R-05, U
Naphthalene	31.7		0.200	"	100	"	"	12/20/2023	
Pyrene	0.401		0.200	"	10	"	"	12/20/2023	
Surrogate: Fluorene-d10	101 %		60-130			"	"	"	
Surrogate: Anthracene-d10	110 %		60-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

**Initial Waste Characterization @
 12/19/2023 1:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y312575-01 (Soil)**

PAH by EPA 8270E

Surrogate: Pyrene-d10	88.5 %		60-130			B3L19 29	12/19/2023	12/20/2023	
Surrogate: Benzo (a) pyrene-d12	107 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.66			pH Units	1	B3L2015	12/20/2023	12/22/2023	
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SAR by 20B Saturated Paste

SAR	3.08		0.0100	SAR	1	B3L2009	12/20/2023	12/22/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.07		0.00500	mmhos/cm	1	B3L2015	12/20/2023	12/22/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.95		0.0992	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Barium	78.2		9.92	"	"	"	"	"	
Cadmium	ND		0.0992	"	"	"	"	"	
Copper	ND		9.92	"	"	"	"	"	
Lead	6.21		0.992	"	"	"	"	"	
Nickel	6.82		0.992	"	"	"	"	"	
Selenium	0.171		0.0992	"	"	"	"	"	
Silver	ND		0.0992	"	"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

**Initial Waste Characterization @
 12/19/2023 1:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.
 Y312575-01 (Soil)**

Table 915 metals by EPA 6020B

Zinc	26.4		9.92	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L724743	12/19/2023	12/27/2023	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-01@6"

12/19/2023 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0999	mg/L	1	B3L2011	12/20/2023	12/21/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	0.566		0.499	meq/L	10	[CALC]	12/20/2023	12/22/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.99			pH Units	1	B3L2015	12/20/2023	12/22/2023	
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SAR by 20B Saturated Paste

SAR	0.110		0.0100	SAR	1	B3L2009	12/20/2023	12/22/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.107		0.00500	mmhos/cm	1	B3L2015	12/20/2023	12/22/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.21		0.0936	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Barium	57.1		9.36	"	"	"	"	"	
Cadmium	0.148		0.0936	"	"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-01@6"

12/19/2023 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-02 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.36	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Lead	6.51		0.936	"	"	"	"	"	
Nickel	7.25		0.936	"	"	"	"	"	
Selenium	0.222		0.0936	"	"	"	"	"	
Silver	ND		0.0936	"	"	"	"	"	
Zinc	38.0		9.36	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L724743	12/19/2023	12/27/2023	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-02@6"

12/19/2023 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.182		0.100	mg/L	1	B3L2011	12/20/2023	12/21/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.33		0.499	meq/L	10	[CALC]	12/20/2023	12/22/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.09			pH Units	1	B3L2015	12/20/2023	12/22/2023	
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SAR by 20B Saturated Paste

SAR	0.148		0.0100	SAR	1	B3L2009	12/20/2023	12/22/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.301		0.00500	mmhos/cm	1	B3L2015	12/20/2023	12/22/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.30		0.0964	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Barium	59.6		9.64	"	"	"	"	"	
Cadmium	0.111		0.0964	"	"	"	"	"	
Copper	ND		9.64	"	"	"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-02@6"

12/19/2023 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-03 (Soil)

Table 915 metals by EPA 6020B

Lead	6.48		0.964	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Nickel	6.71		0.964	"	"	"	"	"	
Selenium	ND		0.0964	"	"	"	"	"	
Silver	ND		0.0964	"	"	"	"	"	
Zinc	26.6		9.64	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L724743	12/19/2023	12/27/2023	
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-03@6"

12/19/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B3L2012	12/20/2023	12/21/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	0.708		0.499	meq/L	10	[CALC]	12/20/2023	12/22/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.77			pH Units	1	B3L2015	12/20/2023	12/22/2023	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.0892		0.0100	SAR	1	B3L2009	12/20/2023	12/22/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.134		0.00500	mmhos/cm	1	B3L2015	12/20/2023	12/22/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.35		0.0935	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Barium	61.1		9.35	"	"	"	"	"	
Cadmium	0.142		0.0935	"	"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-03@6"

12/19/2023 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-04 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.35	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Lead	7.50		0.935	"	"	"	"	"	
Nickel	6.79		0.935	"	"	"	"	"	
Selenium	ND		0.0935	"	"	"	"	"	
Silver	ND		0.0935	"	"	"	"	"	
Zinc	30.6		9.35	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L724743	12/19/2023	12/27/2023	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-04@6"

12/19/2023 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.385		0.101	mg/L	1	B3L2012	12/20/2023	12/21/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	2.25		0.499	meq/L	10	[CALC]	12/20/2023	12/22/2023	
Magnesium	1.65		0.823	"	"	"	"	"	
Sodium	3.37		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.25			pH Units	1	B3L2015	12/20/2023	12/22/2023	
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SAR by 20B Saturated Paste

SAR	2.41		0.0100	SAR	1	B3L2009	12/20/2023	12/22/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.782		0.00500	mmhos/cm	1	B3L2015	12/20/2023	12/22/2023	
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Table 915 metals by EPA 6020B

Arsenic	2.54		0.0903	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Barium	85.3		9.03	"	"	"	"	"	
Cadmium	0.141		0.0903	"	"	"	"	"	
Copper	9.16		9.03	"	"	"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

BG-04@6"

12/19/2023 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y312575-05 (Soil)

Table 915 metals by EPA 6020B

Lead	7.93		0.903	mg/kg	10	B3L1932	12/19/2023	12/20/2023	
Nickel	8.41		0.903	"	"	"	"	"	
Selenium	ND		0.0903	"	"	"	"	"	
Silver	ND		0.0903	"	"	"	"	"	
Zinc	33.7		9.03	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L724743	12/19/2023	12/27/2023	
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Eagle Environmental Consulting, LLC
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3L1934 - EPA 3550B										
Blank (B3L1934-BLK1)										
					Prepared: 12/19/2023 Analyzed: 12/19/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	29		"	24.9		115	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1934 - EPA 3550B

LCS (B3L1934-BS1)

Prepared: 12/19/2023 Analyzed: 12/19/2023

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1110	200	"	1000		111	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3L1934 - EPA 3550B										
Matrix Spike (B3L1934-MS1)		Source: Y312570-01			Prepared: 12/19/2023 Analyzed: 12/19/2023					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130			
Residual Range Organics (C28-C40)	1140	200	"	1000	ND	114	70-130			
Surrogate: o-Terphenyl	57		"	49.8		114	50-150			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3L1934 - EPA 3550B										
Matrix Spike Dup (B3L1934-MSD1)										
		Source: Y312570-01						Prepared: 12/19/2023 Analyzed: 12/19/2023		
Diesel (C10-C28)	891	50.0	mg/kg	1000	ND	89.1	70-130	16.2	35	
Residual Range Organics (C28-C40)	983	200	"	1000	ND	98.3	70-130	15.2	35	
<i>Surrogate: o-Terphenyl</i>	<i>51</i>		<i>"</i>	<i>49.8</i>		<i>102</i>	<i>50-150</i>			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3L1935 - EPA 5030 (soil)										
Blank (B3L1935-BLK1)										
					Prepared: 12/19/2023 Analyzed: 12/19/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.7	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1935 - EPA 5030 (soil)

LCS (B3L1935-BS1)

Prepared: 12/19/2023 Analyzed: 12/19/2023

1,2,4-Trimethylbenzene	0.100	0.00200	mg/kg	0.100		100	70-130			
1,3,5-Trimethylbenzene	0.0995	0.00200	"	0.100		99.5	70-130			
Benzene	0.109	0.00200	"	0.100		109	70-130			
Ethylbenzene	0.0959	0.00200	"	0.100		95.9	70-130			
Naphthalene	0.111	0.00380	"	0.100		111	70-130			
Toluene	0.100	0.00200	"	0.100		100	70-130			
o-Xylene	0.0981	0.00200	"	0.100		98.1	70-130			
m,p-Xylene	0.204	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.4	70-130			

Origins Laboratory, Inc.



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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1935 - EPA 5030 (soil)

Matrix Spike (B3L1935-MS1)	Source: Y312570-01			Prepared: 12/19/2023 Analyzed: 12/19/2023						
1,2,4-Trimethylbenzene	0.0872	0.00200	mg/kg	0.100	ND	87.2	70-130			
1,3,5-Trimethylbenzene	0.0866	0.00200	"	0.100	ND	86.6	70-130			
Benzene	0.0949	0.00200	"	0.100	ND	94.9	70-130			
Ethylbenzene	0.0841	0.00200	"	0.100	ND	84.1	70-130			
Naphthalene	0.0868	0.00380	"	0.100	ND	86.8	70-130			
Toluene	0.0865	0.00200	"	0.100	ND	86.5	70-130			
o-Xylene	0.0873	0.00200	"	0.100	ND	87.3	70-130			
m,p-Xylene	0.179	0.00400	"	0.200	ND	89.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		89.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.4	70-130			

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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1935 - EPA 5030 (soil)

Matrix Spike Dup (B3L1935-MSD1)	Source: Y312570-01			Prepared: 12/19/2023 Analyzed: 12/19/2023						
1,2,4-Trimethylbenzene	0.0867	0.00200	mg/kg	0.100	ND	86.7	70-130	0.667	20	
1,3,5-Trimethylbenzene	0.0860	0.00200	"	0.100	ND	86.0	70-130	0.718	20	
Benzene	0.0949	0.00200	"	0.100	ND	94.9	70-130	0.0632	20	
Ethylbenzene	0.0834	0.00200	"	0.100	ND	83.4	70-130	0.859	20	
Naphthalene	0.0885	0.00380	"	0.100	ND	88.5	70-130	1.96	20	
Toluene	0.0861	0.00200	"	0.100	ND	86.1	70-130	0.463	20	
o-Xylene	0.0865	0.00200	"	0.100	ND	86.5	70-130	0.829	20	
m,p-Xylene	0.178	0.00400	"	0.200	ND	88.8	70-130	1.01	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.6	70-130			

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1932 - EPA 3050B

Blank (B3L1932-BLK1)

Prepared: 12/19/2023 Analyzed: 12/20/2023

Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							
Cadmium	ND	0.0100	"							
Copper	ND	1.00	"							
Lead	ND	0.100	"							
Nickel	ND	0.100	"							
Selenium	ND	0.0100	"							
Silver	ND	0.0100	"							
Zinc	ND	1.00	"							

LCS (B3L1932-BS1)

Prepared: 12/19/2023 Analyzed: 12/20/2023

Arsenic	4.72	0.0100	mg/kg	5.00		94.4	80-120			
Barium	459	1.00	"	500		91.8	80-120			
Cadmium	4.96	0.0100	"	5.00		99.3	80-120			
Copper	51.7	1.00	"	50.0		103	80-120			
Lead	4.88	0.100	"	5.00		97.7	80-120			
Nickel	4.54	0.100	"	5.00		90.8	80-120			
Selenium	4.37	0.0100	"	5.00		87.5	80-120			
Silver	4.93	0.0100	"	5.00		98.7	80-120			
Zinc	48.5	1.00	"	50.0		96.9	80-120			

Matrix Spike (B3L1932-MS1)

Source: Y312575-03

Prepared: 12/19/2023 Analyzed: 12/21/2023

Origins Laboratory, Inc.



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 8000 W 44th Ave
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Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1932 - EPA 3050B

Matrix Spike (B3L1932-MS1)		Source: Y312575-03			Prepared: 12/19/2023 Analyzed: 12/21/2023					
Arsenic	6.47	0.0868	mg/kg	4.34	2.30	96.2	75-125			
Barium	516	8.68	"	434	59.6	105	75-125			
Cadmium	4.73	0.0868	"	4.34	0.111	107	75-125			
Copper	51.7	8.68	"	43.4	7.94	101	75-125			
Lead	11.4	0.868	"	4.34	6.48	114	75-125			
Nickel	10.8	0.868	"	4.34	6.71	93.9	75-125			
Selenium	5.09	0.0868	"	4.34	0.0800	115	75-125			
Silver	4.48	0.0868	"	4.34	0.0328	102	75-125			
Zinc	62.6	8.68	"	43.4	26.6	82.9	75-125			

Matrix Spike Dup (B3L1932-MSD1)		Source: Y312575-03			Prepared: 12/19/2023 Analyzed: 12/21/2023					
Arsenic	8.19	0.0949	mg/kg	4.74	2.30	124	75-125	23.4	20	QR-DUP
Barium	595	9.49	"	474	59.6	113	75-125	14.2	20	
Cadmium	5.52	0.0949	"	4.74	0.111	114	75-125	15.3	20	
Copper	60.5	9.49	"	47.4	7.94	111	75-125	15.8	20	
Lead	13.9	0.949	"	4.74	6.48	156	75-125	19.5	20	QM-07
Nickel	12.9	0.949	"	4.74	6.71	131	75-125	18.1	20	QM-07
Selenium	6.05	0.0949	"	4.74	0.0800	126	75-125	17.3	20	QM-07
Silver	5.25	0.0949	"	4.74	0.0328	110	75-125	15.8	20	
Zinc	71.9	9.49	"	47.4	26.6	95.5	75-125	13.9	20	

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1929 - EPA 3580

Blank (B3L1929-BLK1)

Prepared: 12/19/2023 Analyzed: 12/19/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	200		"	200		99.0	60-130			
Surrogate: Pyrene-d10	200		"	200		99.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B3L1929-BS1)

Prepared: 12/19/2023 Analyzed: 12/19/2023

1-Methylnaphthalene	0.205	0.002	mg/kg	0.200		102	70-130			
2-Methylnaphthalene	0.202	0.002	"	0.200		101	70-130			
Acenaphthene	0.191	0.020	"	0.200		95.4	70-130			
Anthracene	0.170	0.020	"	0.200		84.8	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1929 - EPA 3580

LCS (B3L1929-BS1)

Prepared: 12/19/2023 Analyzed: 12/19/2023

Benzo (a) anthracene	0.201	0.005	mg/kg	0.200		101	70-130			
Benzo (a) pyrene	0.202	0.020	"	0.200		101	70-130			
Benzo (b) fluoranthene	0.173	0.020	"	0.200		86.3	70-130			
Benzo (g,h,i) perylene	0.189	0.020	"	0.200		94.6	70-130			
Benzo (k) fluoranthene	0.176	0.020	"	0.200		87.8	70-130			
Chrysene	0.195	0.020	"	0.200		97.7	70-130			
Dibenz (a,h) anthracene	0.171	0.020	"	0.200		85.4	70-130			
Fluoranthene	0.197	0.020	"	0.200		98.3	70-130			
Fluorene	0.202	0.020	"	0.200		101	70-130			
Indeno (1,2,3-cd) pyrene	0.206	0.020	"	0.200		103	70-130			
Naphthalene	0.192	0.002	"	0.200		96.2	70-130			
Phenanthrene	0.180	0.020	"	0.200		90.0	70-130			
Pyrene	0.186	0.020	"	0.200		93.2	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	200		"	200		99.5	60-130			
Surrogate: Pyrene-d10	190		"	200		97.0	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike (B3L1929-MS1)

Source: Y312564-01

Prepared: 12/19/2023 Analyzed: 12/19/2023

1-Methylnaphthalene	0.196	0.002	mg/kg	0.200	0.001	97.6	70-130			
2-Methylnaphthalene	0.190	0.002	"	0.200	ND	94.8	70-130			
Acenaphthene	0.182	0.020	"	0.200	ND	91.0	70-130			
Anthracene	0.171	0.020	"	0.200	ND	85.7	70-130			
Benzo (a) anthracene	0.203	0.005	"	0.200	ND	101	70-130			
Benzo (a) pyrene	0.200	0.020	"	0.200	ND	100	70-130			
Benzo (b) fluoranthene	0.170	0.020	"	0.200	ND	85.1	70-130			
Benzo (g,h,i) perylene	0.185	0.020	"	0.200	ND	92.6	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1929 - EPA 3580

Matrix Spike (B3L1929-MS1)		Source: Y312564-01			Prepared: 12/19/2023 Analyzed: 12/19/2023					
Benzo (k) fluoranthene	0.171	0.020	mg/kg	0.200	ND	85.3	70-130			
Chrysene	0.166	0.020	"	0.200	ND	83.2	70-130			
Dibenz (a,h) anthracene	0.164	0.020	"	0.200	ND	82.1	70-130			
Fluoranthene	0.181	0.020	"	0.200	0.0008	90.2	70-130			
Fluorene	0.190	0.020	"	0.200	ND	95.0	70-130			
Indeno (1,2,3-cd) pyrene	0.201	0.020	"	0.200	ND	101	70-130			
Naphthalene	0.184	0.002	"	0.200	ND	92.0	70-130			
Phenanthrene	0.171	0.020	"	0.200	ND	85.7	70-130			
Pyrene	0.177	0.020	"	0.200	ND	88.7	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	200		"	200		98.8	60-130			
Surrogate: Pyrene-d10	190		"	200		96.7	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B3L1929-MSD1)		Source: Y312564-01			Prepared: 12/19/2023 Analyzed: 12/19/2023					
1-Methylnaphthalene	0.187	0.002	mg/kg	0.200	0.001	93.1	70-130	4.76	20	
2-Methylnaphthalene	0.192	0.002	"	0.200	ND	96.1	70-130	1.30	20	
Acenaphthene	0.183	0.020	"	0.200	ND	91.7	70-130	0.716	20	
Anthracene	0.177	0.020	"	0.200	ND	88.3	70-130	3.00	20	
Benzo (a) anthracene	0.218	0.005	"	0.200	ND	109	70-130	7.28	20	
Benzo (a) pyrene	0.194	0.020	"	0.200	ND	97.1	70-130	3.00	20	
Benzo (b) fluoranthene	0.169	0.020	"	0.200	ND	84.7	70-130	0.452	20	
Benzo (g,h,i) perylene	0.184	0.020	"	0.200	ND	92.1	70-130	0.496	20	
Benzo (k) fluoranthene	0.166	0.020	"	0.200	ND	82.8	70-130	3.01	20	
Chrysene	0.187	0.020	"	0.200	ND	93.6	70-130	11.8	20	
Dibenz (a,h) anthracene	0.163	0.020	"	0.200	ND	81.3	70-130	0.933	20	
Fluoranthene	0.185	0.020	"	0.200	0.0008	92.0	70-130	1.93	20	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L1929 - EPA 3580

Matrix Spike Dup (B3L1929-MSD1)	Source: Y312564-01			Prepared: 12/19/2023 Analyzed: 12/19/2023						
Fluorene	0.191	0.020	mg/kg	0.200	ND	95.3	70-130	0.271	20	
Indeno (1,2,3-cd) pyrene	0.229	0.020	"	0.200	ND	114	70-130	13.0	20	
Naphthalene	0.186	0.002	"	0.200	ND	93.2	70-130	1.28	20	
Phenanthrene	0.168	0.020	"	0.200	ND	84.2	70-130	1.79	20	
Pyrene	0.176	0.020	"	0.200	ND	87.9	70-130	0.953	20	
Surrogate: Fluorene-d10	210		ug/kg	200		107	60-130			
Surrogate: Anthracene-d10	200		"	200		98.0	60-130			
Surrogate: Pyrene-d10	190		"	200		97.0	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		105	60-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L2009 - Saturated Paste Metals

Blank (B3L2009-BLK1)

Prepared: 12/20/2023 Analyzed: 12/22/2023

SAR	ND	0.0100	SAR							
Calcium PPM	ND	10.0	mg/L							
Magnesium PPM	ND	10.0	"							
Sodium PPM	ND	10.0	"							

Duplicate (B3L2009-DUP1)

Source: Y312545-01

Prepared: 12/20/2023 Analyzed: 12/22/2023

SAR	ND	0.0100	SAR	1.30					200	
Calcium PPM	89.8	10.0	mg/L	97.2				7.92	50	
Magnesium PPM	38.4	10.0	"	46.0				18.2	50	
Sodium PPM	54.6	10.0	"	62.0				12.8	50	

Batch B3L2011 - DTPA Sorbitol Preparation

Blank (B3L2011-BLK1)

Prepared: 12/20/2023 Analyzed: 12/21/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3L2011-DUP1)

Source: Y312567-03

Prepared: 12/20/2023 Analyzed: 12/21/2023

Boron	0.425	0.0996	mg/L	0.408				4.25	50	
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Batch B3L2012 - DTPA Sorbitol Preparation

Blank (B3L2012-BLK1)

Prepared: 12/20/2023 Analyzed: 12/21/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3L2012-DUP1)

Source: Y312545-01

Prepared: 12/20/2023 Analyzed: 12/21/2023

Boron	0.466	0.0997	mg/L	0.468				0.243	50	
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Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3L2015 - Saturated Paste pH/EC										
Blank (B3L2015-BLK1)					Prepared: 12/20/2023 Analyzed: 12/22/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3L2015-DUP1)					Source: Y312545-01 Prepared: 12/20/2023 Analyzed: 12/22/2023					
pH	8.10		pH Units		8.06			0.495	25	
Specific Conductance (EC)	1.08	0.00500	mmhos/cm		1.18			9.25	25	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C 40N 24N 25C-5

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L724743 -										
DUP (L 93537-DUP)		Source: Y312575-02			Prepared: Analyzed: 12/27/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 93537-MS)		Source: Y312575-02			Prepared: Analyzed: 12/27/2023					
Chromium, Hexavalent	34.2	2.5	mg/Kg	39.4	<1.22	87	75-125			
LCS (LCS)		Prepared: Analyzed: 12/27/2023								
Chromium, Hexavalent	7.16	0.5	mg/Kg	8		90	75-125			
LRB (LRB)		Prepared: Analyzed: 12/27/2023								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C 40N 24N 25C-5

Notes and Definitions

- U Sample is Non-Detect.

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

- R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

- QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

- ND Analyte NOT DETECTED at or above the reporting limit

- RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

February 12, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - **KMG - Sater 24C, 40N, 25C-5HZ O SA** Project Number - **[none]**

Attached are your analytical results for KMG - Sater 24C, 40N, 25C-5HZ O SA received by Origins Laboratory, Inc. January 30, 2024. This project is associated with Origins project number Y401697-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP-B01@6"	Y401697-01	Soil	January 29, 2024 8:40	01/30/2024 08:30
SEP-B02@6"	Y401697-02	Soil	January 29, 2024 8:42	01/30/2024 08:30
SEP-B03@5'	Y401697-03	Soil	January 29, 2024 8:44	01/30/2024 08:30
SEP-B04@6"	Y401697-04	Soil	January 29, 2024 8:46	01/30/2024 08:30
SEP-B07@6"	Y401697-05	Soil	January 29, 2024 9:10	01/30/2024 08:30
SEP-B08@6"	Y401697-06	Soil	January 29, 2024 9:12	01/30/2024 08:30

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4401697

Client: Eagle

Client Project ID: Sater

Checklist Completed by: WJH

Shipped Via: TRD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 1/30/24

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 132 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾if NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) WJH

Date/Time Reviewed 1/30/24

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B01@6"
 1/29/2024 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4B0109	02/01/2024	02/02/2024	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4A3004	01/30/2024	01/30/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: *o*-Terphenyl 90.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4A3030	01/30/2024	01/30/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4 97.5 % 70-130 " " "

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B01@6"
 1/29/2024 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130			B4A3030	01/30/2024	01/30/2024	
Surrogate: 4-Bromofluorobenzene	107 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	2.22		0.499	meq/L	10	[CALC]	02/01/2024	02/02/2024	
Magnesium	0.899		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B01@6"
1/29/2024 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-01 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	100 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.6 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.8 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.03			pH Units	1	B4B0115	02/01/2024	02/02/2024	
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SAR by 20B Saturated Paste

SAR	0.326		0.0100	SAR	1	B4B0104	02/01/2024	02/02/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.435		0.00500	mmhos/cm	1	B4B0115	02/01/2024	02/02/2024	
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B01@6"
 1/29/2024 8:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.97	0.0915	0.0915	mg/kg	10	B4A2924	01/29/2024	02/05/2024	
Barium	46.7	9.15	9.15	"	"	"	"	"	
Cadmium	0.0970	0.0915	0.0915	"	"	"	"	"	
Copper	ND	9.15	9.15	"	"	"	"	"	U
Lead	6.15	0.915	0.915	"	"	"	"	"	
Nickel	7.60	0.915	0.915	"	"	"	"	"	
Selenium	0.166	0.0915	0.0915	"	"	"	"	"	
Silver	ND	0.0915	0.0915	"	"	"	"	"	U
Zinc	36.3	9.15	9.15	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731631	01/29/2024	02/08/2024	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B02@6"
 1/29/2024 8:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0998	mg/L	1	B4B0109	02/01/2024	02/02/2024	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4A3004	01/30/2024	01/30/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.9 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4A3030	01/30/2024	01/30/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	"	
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B02@6"
 1/29/2024 8:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130			B4A30 30	01/30/2024	01/30/2024	
Surrogate: 4-Bromofluorobenzene	91.6 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.27		0.499	meq/L	10	[CALC]	02/01/2024	02/02/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B02@6"
 1/29/2024 8:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-02 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	100 %		60-130			"	"	"	
Surrogate: Anthracene-d10	95.1 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.2 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.81			pH Units	1	B4B0115	02/01/2024	02/02/2024	
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SAR by 20B Saturated Paste

SAR	0.128		0.0100	SAR	1	B4B0104	02/01/2024	02/02/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.244		0.00500	mmhos/cm	1	B4B0115	02/01/2024	02/02/2024	
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B02@6"

1/29/2024 8:42:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.21	0.0906	0.0906	mg/kg	10	B4A2924	01/29/2024	02/05/2024	
Barium	37.5	9.06	9.06	"	"	"	"	"	
Cadmium	0.0960	0.0906	0.0906	"	"	"	"	"	
Copper	ND	9.06	9.06	"	"	"	"	"	U
Lead	6.33	0.906	0.906	"	"	"	"	"	
Nickel	8.23	0.906	0.906	"	"	"	"	"	
Selenium	0.218	0.0906	0.0906	"	"	"	"	"	
Silver	ND	0.0906	0.0906	"	"	"	"	"	U
Zinc	48.4	9.06	9.06	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731631	01/29/2024	02/08/2024	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B03@5'
1/29/2024 8:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	1650		25.0	mg/kg	1	B4A3004	01/30/2024	01/30/2024	
Residual Range Organics (C28-C40)	811		100	"	"	"	"	"	

Surrogate: *o*-Terphenyl 124 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	4.45		0.0500	mg/kg	25	B4A3030	01/30/2024	01/31/2024	
1,3,5-Trimethylbenzene	0.157		0.00200	"	1	"	"	01/31/2024	
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	0.0294		0.00200	"	"	"	"	"	
Toluene	0.0289		0.00200	"	"	"	"	"	
Xylenes, total	0.456		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	17.7		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
 Surrogate: Toluene-d8 99.6 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 95.9 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	2.69		0.020	mg/kg	10	B4A3022	01/30/2024	01/31/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B03@5'
 1/29/2024 8:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-03 (Soil)

PAH by EPA 8270E

2-Methylnaphthalene	4.89	0.020	0.020	mg/kg	10	B4A3022	01/30/2024	01/31/2024	
Acenaphthene	0.460	0.020	0.020	"	1	"	"	01/30/2024	
Anthracene	ND	0.020	0.020	"	"	"	"	"	U
Benzo (a) anthracene	0.005	0.005	0.005	"	"	"	"	"	
Chrysene	0.059	0.020	0.020	"	"	"	"	"	
Fluoranthene	ND	0.020	0.020	"	"	"	"	"	U
Fluorene	0.618	0.020	0.020	"	"	"	"	"	
Naphthalene	0.954	0.002	0.002	"	"	"	"	"	
Pyrene	0.036	0.020	0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	97.2 %	60-130		"	"	"	"	"	
Surrogate: Anthracene-d10	104 %	60-130		"	"	"	"	"	
Surrogate: Pyrene-d10	79.7 %	60-130		"	"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %	60-130		"	"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	2.92	0.0931	0.0931	mg/kg	10	B4A2924	01/29/2024	02/05/2024	
Barium	77.4	9.31	9.31	"	"	"	"	"	
Lead	6.23	0.931	0.931	"	"	"	"	"	
Nickel	8.00	0.931	0.931	"	"	"	"	"	
Selenium	0.176	0.0931	0.0931	"	"	"	"	"	

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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B03@5'

1/29/2024 8:44:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-03 (Soil)

Table 915 metals by EPA 6020B

Zinc	36.6		9.31	mg/kg	10	B4A2924	01/29/2024	02/05/2024	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B04@6"
 1/29/2024 8:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4B0109	02/01/2024	02/02/2024	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	392		25.0	mg/kg	1	B4A3004	01/30/2024	01/30/2024	
Residual Range Organics (C28-C40)	294		100	"	"	"	"	"	

Surrogate: <i>o</i> -Terphenyl	95.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00542		0.00200	mg/kg	1	B4A3030	01/30/2024	01/31/2024	
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	0.00574		0.00200	"	"	"	"	"	
Toluene	0.00232		0.00200	"	"	"	"	"	
Xylenes, total	0.0124		0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	3.79		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	108 %		70-130			"	"	"	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.0 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Dan Coloccia
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SEP-B04@6"
 1/29/2024 8:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	2.36	0.499	meq/L	10	[CALC]	02/01/2024	02/02/2024	
Magnesium	1.32	0.823	"	"	"	"	"	
Sodium	0.578	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.299	0.002	mg/kg	1	B4A3022	01/30/2024	01/30/2024	
2-Methylnaphthalene	0.503	0.002	"	"	"	"	"	
Acenaphthene	0.077	0.020	"	"	"	"	"	
Anthracene	ND	0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	"	"	U
Chrysene	ND	0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	"	"	U
Fluoranthene	ND	0.020	"	"	"	"	"	U
Fluorene	0.109	0.020	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	"	"	U
Naphthalene	0.031	0.002	"	"	"	"	"	
Pyrene	ND	0.020	"	"	"	"	"	U
Surrogate: Fluorene-d10	99.6 %	60-130			"	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B04@6"
1/29/2024 8:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-04 (Soil)

PAH by EPA 8270E

Surrogate: Anthracene-d10	100 %		60-130			B4A30 22	01/30/2024	01/30/2024	
Surrogate: Pyrene-d10	96.6 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.93			pH Units	1	B4B0115	02/01/2024	02/02/2024	
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SAR by 20B Saturated Paste

SAR	0.426		0.0100	SAR	1	B4B0104	02/01/2024	02/02/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.511		0.00500	mmhos/cm	1	B4B0115	02/01/2024	02/02/2024	
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Table 915 metals by EPA 6020B

Arsenic	3.47		0.0928	mg/kg	10	B4A2924	01/29/2024	02/05/2024	
Barium	41.0		9.28	"	"	"	"	"	
Cadmium	0.194		0.0928	"	"	"	"	"	
Copper	ND		9.28	"	"	"	"	"	U
Lead	6.17		0.928	"	"	"	"	"	
Nickel	7.42		0.928	"	"	"	"	"	
Selenium	0.191		0.0928	"	"	"	"	"	

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
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SEP-B04@6"

1/29/2024 8:46:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-04 (Soil)

Table 915 metals by EPA 6020B

Silver	ND		0.0928	mg/kg	10	B4A2924	01/29/2024	02/05/2024	U
Zinc	41.9		9.28	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731631	01/29/2024	02/08/2024	
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B07@6"
 1/29/2024 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.191		0.0990	mg/L	1	B4B0109	02/01/2024	02/02/2024	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4A3004	01/30/2024	01/30/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.0 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4A3030	01/30/2024	01/31/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	01/31/2024	U

Surrogate: 1,2-Dichloroethane-d4	105 %		70-130			"	"	01/31/2024	
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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B07@6"
 1/29/2024 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	100 %		70-130			B4A30 30	01/30/2024	01/31/2024	
Surrogate: 4-Bromofluorobenzene	91.9 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	10.5		0.499	meq/L	10	[CALC]	02/01/2024	02/02/2024	
Magnesium	3.11		0.823	"	"	"	"	"	
Sodium	0.987		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B07@6"
 1/29/2024 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-05 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.6 %		60-130			"	"	"	
Surrogate: Anthracene-d10	96.5 %		60-130			"	"	"	
Surrogate: Pyrene-d10	97.5 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.87			pH Units	1	B4B0115	02/01/2024	02/02/2024	
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SAR by 20B Saturated Paste

SAR	0.379		0.0100	SAR	1	B4B0104	02/01/2024	02/02/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.53		0.00500	mmhos/cm	1	B4B0115	02/01/2024	02/02/2024	
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Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B07@6"
 1/29/2024 9:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.56	0.0916	0.0916	mg/kg	10	B4A2924	01/29/2024	02/05/2024	
Barium	45.2	9.16	9.16	"	"	"	"	"	
Cadmium	0.275	0.0916	0.0916	"	"	"	"	"	
Copper	ND	9.16	9.16	"	"	"	"	"	U
Lead	4.89	0.916	0.916	"	"	"	"	"	
Nickel	6.55	0.916	0.916	"	"	"	"	"	
Selenium	0.128	0.0916	0.0916	"	"	"	"	"	
Silver	ND	0.0916	0.0916	"	"	"	"	"	U
Zinc	41.6	9.16	9.16	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731631	01/29/2024	02/08/2024	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B08@6"
 1/29/2024 9:12:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0995	mg/L	1	B4B0109	02/01/2024	02/02/2024	U
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4A3004	01/30/2024	01/30/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	98.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4A3030	01/30/2024	01/31/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %		70-130			"	"	"	
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Origins Laboratory, Inc.



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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B08@6"
 1/29/2024 9:12:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	100 %		70-130			B4A30 30	01/30/2024	01/31/2024	
Surrogate: 4-Bromofluorobenzene	91.0 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.780		0.499	meq/L	10	[CALC]	02/01/2024	02/02/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U
Fluoranthene	ND		0.020	"	"	"	"	"	U

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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B08@6"

1/29/2024 9:12:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y401697-06 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4A3022	01/30/2024	01/30/2024	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Naphthalene	ND		0.002	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	99.6 %		60-130			"	"	"	
Surrogate: Anthracene-d10	97.8 %		60-130			"	"	"	
Surrogate: Pyrene-d10	97.4 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.05			pH Units	1	B4B0115	02/01/2024	02/02/2024	
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SAR by 20B Saturated Paste

SAR	0.0796		0.0100	SAR	1	B4B0104	02/01/2024	02/02/2024	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.157		0.00500	mmhos/cm	1	B4B0115	02/01/2024	02/02/2024	
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Table 915 metals by EPA 6020B

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Jen Pellegrini For Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

SEP-B08@6"
 1/29/2024 9:12:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
 Y401697-06 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.77	0.0993	0.0993	mg/kg	10	B4A2924	01/29/2024	02/05/2024	
Barium	31.6	9.93	9.93	"	"	"	"	"	
Cadmium	0.488	0.0993	0.0993	"	"	"	"	"	
Copper	ND	9.93	9.93	"	"	"	"	"	U
Lead	4.29	0.993	0.993	"	"	"	"	"	
Nickel	5.04	0.993	0.993	"	"	"	"	"	
Selenium	ND	0.0993	0.0993	"	"	"	"	"	U
Silver	ND	0.0993	0.0993	"	"	"	"	"	U
Zinc	36.4	9.93	9.93	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L731631	01/29/2024	02/08/2024	
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4A3004 - EPA 3550B										
Blank (B4A3004-BLK1)										
					Prepared: 01/30/2024 Analyzed: 01/30/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		102	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3004 - EPA 3550B

LCS (B4A3004-BS1)

Prepared: 01/30/2024 Analyzed: 01/30/2024

Diesel (C10-C28)	1110	50.0	mg/kg	1000		111	70-130			
Residual Range Organics (C28-C40)	1190	200	"	1000		119	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3004 - EPA 3550B

Matrix Spike (B4A3004-MS1)	Source: Y401731-01			Prepared: 01/30/2024 Analyzed: 01/30/2024						
Diesel (C10-C28)	1180	50.0	mg/kg	1000	ND	118	70-130			
Residual Range Organics (C28-C40)	1270	200	"	1000	ND	127	70-130			
Surrogate: o-Terphenyl	74		"	49.8		149	50-150			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3004 - EPA 3550B

Matrix Spike Dup (B4A3004-MSD1)	Source: Y401731-01		Prepared: 01/30/2024 Analyzed: 01/30/2024							
Diesel (C10-C28)	1190	50.0	mg/kg	1000	ND	119	70-130	0.842	35	
Residual Range Organics (C28-C40)	1240	200	"	1000	ND	124	70-130	2.01	35	
<i>Surrogate: o-Terphenyl</i>	<i>50</i>		<i>"</i>	<i>49.8</i>		<i>99.6</i>	<i>50-150</i>			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3030 - EPA 5030 (soil)

Blank (B4A3030-BLK1)

Prepared: 01/30/2024 Analyzed: 01/30/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125	119		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	102		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	104		70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3030 - EPA 5030 (soil)

LCS (B4A3030-BS1)

Prepared: 01/30/2024 Analyzed: 01/30/2024

1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100		116	70-130			
1,3,5-Trimethylbenzene	0.117	0.00200	"	0.100		117	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.123	0.00200	"	0.100		123	70-130			
Naphthalene	0.0980	0.00380	"	0.100		98.0	70-130			
Toluene	0.112	0.00200	"	0.100		112	70-130			
o-Xylene	0.116	0.00200	"	0.100		116	70-130			
m,p-Xylene	0.239	0.00400	"	0.200		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		124	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3030 - EPA 5030 (soil)

Matrix Spike (B4A3030-MS1)	Source: Y401697-01			Prepared: 01/30/2024 Analyzed: 01/30/2024						
1,2,4-Trimethylbenzene	0.123	0.00200	mg/kg	0.100	0.00134	122	70-130			
1,3,5-Trimethylbenzene	0.121	0.00200	"	0.100	ND	121	70-130			
Benzene	0.107	0.00200	"	0.100	ND	107	70-130			
Ethylbenzene	0.122	0.00200	"	0.100	ND	122	70-130			
Naphthalene	0.117	0.00380	"	0.100	0.00242	114	70-130			
Toluene	0.116	0.00200	"	0.100	0.000540	115	70-130			
o-Xylene	0.122	0.00200	"	0.100	ND	122	70-130			
m,p-Xylene	0.278	0.00400	"	0.200	0.000940	138	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		85.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3030 - EPA 5030 (soil)

Matrix Spike Dup (B4A3030-MSD1)	Source: Y401697-01		Prepared: 01/30/2024 Analyzed: 01/30/2024							
1,2,4-Trimethylbenzene	0.122	0.00200	mg/kg	0.100	0.00134	121	70-130	0.686	20	
1,3,5-Trimethylbenzene	0.121	0.00200	"	0.100	ND	121	70-130	0.215	20	
Benzene	0.120	0.00200	"	0.100	ND	120	70-130	11.3	20	
Ethylbenzene	0.123	0.00200	"	0.100	ND	123	70-130	0.573	20	
Naphthalene	0.122	0.00380	"	0.100	0.00242	120	70-130	4.51	20	
Toluene	0.122	0.00200	"	0.100	0.000540	122	70-130	5.36	20	
o-Xylene	0.123	0.00200	"	0.100	ND	123	70-130	0.898	20	
m,p-Xylene	0.271	0.00400	"	0.200	0.000940	135	70-130	2.43	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A2924 - EPA 3050B

Blank (B4A2924-BLK1)

Prepared: 01/29/2024 Analyzed: 02/05/2024

Arsenic	ND	0.0100	mg/kg							U
Cadmium	ND	0.0100	"							U
Lead	ND	0.100	"							U
Nickel	ND	0.100	"							U

LCS (B4A2924-BS1)

Prepared: 01/29/2024 Analyzed: 02/05/2024

Arsenic	5.12	0.0100	mg/kg	5.00		102	80-120			
Cadmium	5.41	0.0100	"	5.00		108	80-120			
Lead	5.46	0.100	"	5.00		109	80-120			
Nickel	5.45	0.100	"	5.00		109	80-120			

Matrix Spike (B4A2924-MS1)

Source: Y401548-02

Prepared: 01/29/2024 Analyzed: 02/05/2024

Arsenic	10.9	0.0837	mg/kg	4.18	6.26	111	75-125			
Cadmium	4.75	0.0837	"	4.18	0.167	110	75-125			
Lead	13.9	0.837	"	4.18	9.39	109	75-125			
Nickel	17.5	0.837	"	4.18	12.7	115	75-125			

Matrix Spike Dup (B4A2924-MSD1)

Source: Y401548-02

Prepared: 01/29/2024 Analyzed: 02/05/2024

Arsenic	11.6	0.0982	mg/kg	4.91	6.26	108	75-125	5.96	20	
Cadmium	5.42	0.0982	"	4.91	0.167	107	75-125	13.2	20	
Lead	14.7	0.982	"	4.91	9.39	108	75-125	5.24	20	
Nickel	18.5	0.982	"	4.91	12.7	118	75-125	5.53	20	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3022 - EPA 3580

Blank (B4A3022-BLK1)

Prepared: 01/30/2024 Analyzed: 01/30/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		94.5	60-130			
Surrogate: Pyrene-d10	200		"	200		99.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

LCS (B4A3022-BS1)

Prepared: 01/30/2024 Analyzed: 01/30/2024

1-Methylnaphthalene	0.183	0.002	mg/kg	0.200		91.3	70-130			
2-Methylnaphthalene	0.182	0.002	"	0.200		91.1	70-130			
Acenaphthene	0.180	0.020	"	0.200		90.1	70-130			
Anthracene	0.161	0.020	"	0.200		80.4	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3022 - EPA 3580

LCS (B4A3022-BS1)

Prepared: 01/30/2024 Analyzed: 01/30/2024

Benzo (a) anthracene	0.172	0.005	mg/kg	0.200		86.0	70-130			
Benzo (a) pyrene	0.186	0.020	"	0.200		93.1	70-130			
Benzo (b) fluoranthene	0.181	0.020	"	0.200		90.4	70-130			
Benzo (g,h,i) perylene	0.184	0.020	"	0.200		91.8	70-130			
Benzo (k) fluoranthene	0.193	0.020	"	0.200		96.4	70-130			
Chrysene	0.174	0.020	"	0.200		86.8	70-130			
Dibenz (a,h) anthracene	0.192	0.020	"	0.200		95.8	70-130			
Fluoranthene	0.176	0.020	"	0.200		87.8	70-130			
Fluorene	0.179	0.020	"	0.200		89.6	70-130			
Indeno (1,2,3-cd) pyrene	0.191	0.020	"	0.200		95.4	70-130			
Naphthalene	0.184	0.002	"	0.200		92.0	70-130			
Phenanthrene	0.172	0.020	"	0.200		86.1	70-130			
Pyrene	0.174	0.020	"	0.200		87.1	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		93.6	60-130			
Surrogate: Pyrene-d10	200		"	200		98.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.7	60-130			

Matrix Spike (B4A3022-MS1)

Source: Y401697-01

Prepared: 01/30/2024 Analyzed: 01/30/2024

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200	0.0004	101	70-130			
2-Methylnaphthalene	0.200	0.002	"	0.200	ND	99.9	70-130			
Acenaphthene	0.197	0.020	"	0.200	ND	98.4	70-130			
Anthracene	0.182	0.020	"	0.200	0.0005	90.7	70-130			
Benzo (a) anthracene	0.184	0.005	"	0.200	ND	91.9	70-130			
Benzo (a) pyrene	0.211	0.020	"	0.200	ND	105	70-130			
Benzo (b) fluoranthene	0.217	0.020	"	0.200	ND	109	70-130			
Benzo (g,h,i) perylene	0.209	0.020	"	0.200	0.0004	104	70-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3022 - EPA 3580

Matrix Spike (B4A3022-MS1)		Source: Y401697-01			Prepared: 01/30/2024 Analyzed: 01/30/2024					
Benzo (k) fluoranthene	0.225	0.020	mg/kg	0.200	ND	113	70-130			
Chrysene	0.203	0.020	"	0.200	ND	102	70-130			
Dibenz (a,h) anthracene	0.210	0.020	"	0.200	ND	105	70-130			
Fluoranthene	0.194	0.020	"	0.200	ND	97.1	70-130			
Fluorene	0.194	0.020	"	0.200	ND	97.2	70-130			
Indeno (1,2,3-cd) pyrene	0.210	0.020	"	0.200	ND	105	70-130			
Naphthalene	0.202	0.002	"	0.200	ND	101	70-130			
Phenanthrene	0.188	0.020	"	0.200	ND	93.8	70-130			
Pyrene	0.186	0.020	"	0.200	ND	93.0	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		95.2	60-130			
Surrogate: Pyrene-d10	200		"	200		98.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B4A3022-MSD1)		Source: Y401697-01			Prepared: 01/30/2024 Analyzed: 01/30/2024					
1-Methylnaphthalene	0.185	0.002	mg/kg	0.200	0.0004	92.3	70-130	8.66	20	
2-Methylnaphthalene	0.184	0.002	"	0.200	ND	91.8	70-130	8.41	20	
Acenaphthene	0.180	0.020	"	0.200	ND	90.1	70-130	8.81	20	
Anthracene	0.169	0.020	"	0.200	0.0005	84.2	70-130	7.42	20	
Benzo (a) anthracene	0.174	0.005	"	0.200	ND	86.9	70-130	5.59	20	
Benzo (a) pyrene	0.196	0.020	"	0.200	ND	97.9	70-130	7.32	20	
Benzo (b) fluoranthene	0.200	0.020	"	0.200	ND	100	70-130	8.01	20	
Benzo (g,h,i) perylene	0.192	0.020	"	0.200	0.0004	95.6	70-130	8.71	20	
Benzo (k) fluoranthene	0.196	0.020	"	0.200	ND	98.0	70-130	13.8	20	
Chrysene	0.177	0.020	"	0.200	ND	88.5	70-130	13.9	20	
Dibenz (a,h) anthracene	0.196	0.020	"	0.200	ND	97.8	70-130	7.25	20	
Fluoranthene	0.178	0.020	"	0.200	ND	89.0	70-130	8.70	20	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4A3022 - EPA 3580

Matrix Spike Dup (B4A3022-MSD1)	Source: Y401697-01			Prepared: 01/30/2024 Analyzed: 01/30/2024						
Fluorene	0.179	0.020	mg/kg	0.200	ND	89.4	70-130	8.33	20	
Indeno (1,2,3-cd) pyrene	0.189	0.020	"	0.200	ND	94.4	70-130	10.6	20	
Naphthalene	0.185	0.002	"	0.200	ND	92.6	70-130	8.83	20	
Phenanthrene	0.174	0.020	"	0.200	ND	87.2	70-130	7.32	20	
Pyrene	0.174	0.020	"	0.200	ND	87.2	70-130	6.40	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		96.6	60-130			
Surrogate: Pyrene-d10	200		"	200		98.1	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B0104 - Saturated Paste Metals

Blank (B4B0104-BLK1)

Prepared: 02/01/2024 Analyzed: 02/02/2024

Calcium PPM	ND	10.0	mg/L							U
SAR	ND	0.0100	SAR							U
Magnesium PPM	ND	10.0	mg/L							U
Sodium PPM	ND	10.0	"							U

Duplicate (B4B0104-DUP1)

Source: Y401697-01

Prepared: 02/01/2024 Analyzed: 02/02/2024

Calcium PPM	45.3	10.0	mg/L		44.6			1.65	50	
SAR	ND	0.0100	SAR		0.326				200	U
Magnesium PPM	11.1	10.0	mg/L		10.9			1.27	50	
Sodium PPM	9.29	10.0	"		9.36			0.751	50	U

Batch B4B0109 - DTPA Sorbitol Preparation

Blank (B4B0109-BLK1)

Prepared: 02/01/2024 Analyzed: 02/02/2024

Boron	ND	0.100	mg/L							U
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Duplicate (B4B0109-DUP1)

Source: Y401697-01

Prepared: 02/01/2024 Analyzed: 02/02/2024

Boron	0.0777	0.101	mg/L		0.0706			9.68	50	U
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Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4B0115 - Saturated Paste pH/EC										
Blank (B4B0115-BLK1)					Prepared: 02/01/2024 Analyzed: 02/02/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
Duplicate (B4B0115-DUP1)					Source: Y401697-01 Prepared: 02/01/2024 Analyzed: 02/02/2024					
pH	8.01		pH Units		8.03			0.249	25	
Specific Conductance (EC)	0.354	0.00500	mmhos/cm		0.435			20.6	25	

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L731631 -										
DUP (L 99560-DUP)		Source: Y401697-01			Prepared: Analyzed: 02/08/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
MS (L 99560-MS)		Source: Y401697-01			Prepared: Analyzed: 02/08/2024					
Chromium, Hexavalent	29.8	2.5	mg/Kg	39.2	< 0.244	76	75-125			
LCS (LCS)		Prepared: Analyzed: 02/08/2024								
Chromium, Hexavalent	6.41	0.5	mg/Kg	8		80	75-125			
LRB (LRB)		Prepared: Analyzed: 02/08/2024								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 25C-5HZ O SA

Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini For Jordan A. Bynon, Project Manager

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February 26, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - KMG - Sater 24C, 40N, 24N,
25C-5HZ**

Project Number - [none]

Attached are your analytical results for KMG - Sater 24C, 40N, 24N, 25C-5HZ received by Origins Laboratory, Inc. February 23, 2024. This project is associated with Origins project number Y402595-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-01	Y402595-01	Water	February 23, 2024 10:15	02/23/2024 16:00

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y4025015

Client: Eagle

Client Project ID: Sater 24C 40N 24N

Checklist Completed by: EHS

Shipped Via: HD 25C-5

Date/time completed: 2/23/24

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other:

Cooler Number/Temperature: 145 °C / 1 °C / 1 °C (Describe)

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analysis in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			NC
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

[Signature] 2/23/24
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

GW-01

2/23/2024 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402595-01 (Water)

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	67.1	2.00	ug/L	1	B4B2341	JSM	02/23/2024	02/23/2024	
1,3,5-Trimethylbenzene	33.9	2.00	"	"	"	JSM	"	"	
Benzene	1.88	1.00	"	"	"	JSM	"	"	
Ethylbenzene	10.5	1.00	"	"	"	JSM	"	"	
Naphthalene	3.15	2.00	"	"	"	JSM	"	"	
Toluene	8.86	1.00	"	"	"	JSM	"	"	
Xylenes, total	172	1.00	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	105 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	85.5 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4B2341 - EPA 5030B (Water)

Blank (B4B2341-BLK1)

Prepared: 02/23/2024 Analyzed: 02/23/2024

1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5	96.9		70-130			
Surrogate: Toluene-d8	69		"	62.5	111		70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5	90.4		70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4B2341 - EPA 5030B (Water)

LCS (B4B2341-BS1)

Prepared: 02/23/2024 Analyzed: 02/23/2024

1,2,4-Trimethylbenzene	45.0	2.00	ug/L	50.0		90.0	70-130			
1,3,5-Trimethylbenzene	43.9	2.00	"	50.0		87.7	70-130			
Benzene	48.5	1.00	"	50.0		97.1	70-130			
Ethylbenzene	52.3	1.00	"	50.0		105	70-130			
m,p-Xylene	101	2.00	"	100		101	70-130			
Naphthalene	52.6	2.00	"	50.0		105	70-130			
o-Xylene	51.1	1.00	"	50.0		102	70-130			
Toluene	49.2	1.00	"	50.0		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.7	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	53		"	62.5		84.6	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4B2341 - EPA 5030B (Water)

Matrix Spike (B4B2341-MS1)	Source: Y402563-01			Prepared: 02/23/2024 Analyzed: 02/23/2024						
1,2,4-Trimethylbenzene	53.7	2.00	ug/L	50.0	ND	107	70-130			
1,3,5-Trimethylbenzene	55.2	2.00	"	50.0	ND	110	70-130			
Benzene	50.2	1.00	"	50.0	0.120	100	70-130			
Ethylbenzene	59.8	1.00	"	50.0	ND	120	70-130			
m,p-Xylene	117	2.00	"	100	ND	117	70-130			
Naphthalene	59.2	2.00	"	50.0	ND	118	70-130			
o-Xylene	58.2	1.00	"	50.0	ND	116	70-130			
Toluene	54.3	1.00	"	50.0	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.6	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	54		"	62.5		86.1	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

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

Batch B4B2341 - EPA 5030B (Water)

Matrix Spike Dup (B4B2341-MSD1)	Source: Y402563-01			Prepared: 02/23/2024 Analyzed: 02/23/2024						
1,2,4-Trimethylbenzene	46.8	2.00	ug/L	50.0	ND	93.6	70-130	13.7	20	
1,3,5-Trimethylbenzene	47.9	2.00	"	50.0	ND	95.8	70-130	14.1	20	
Benzene	45.1	1.00	"	50.0	0.120	89.9	70-130	10.8	20	
Ethylbenzene	52.6	1.00	"	50.0	ND	105	70-130	12.7	20	
m,p-Xylene	102	2.00	"	100	ND	102	70-130	13.1	20	
Naphthalene	53.5	2.00	"	50.0	ND	107	70-130	10.1	20	
o-Xylene	51.0	1.00	"	50.0	ND	102	70-130	13.2	20	
Toluene	47.6	1.00	"	50.0	ND	95.2	70-130	13.2	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	53		"	62.5		85.5	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



March 12, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Sater 24C, 40N, 24N,
25C-5HZ

Project Number - [none]

Attached are your analytical results for KMG - Sater 24C, 40N, 24N, 25C-5HZ received by Origins Laboratory, Inc. February 23, 2024. This project is associated with Origins project number Y402596-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP-N01@5'	Y402596-01	Soil	February 23, 2024 10:30	02/23/2024 16:00
SEP-N01@10'	Y402596-02	Soil	February 23, 2024 10:32	02/23/2024 16:00
SEP-N02@5'	Y402596-03	Soil	February 23, 2024 10:34	02/23/2024 16:00
SEP-N02@10'	Y402596-04	Soil	February 23, 2024 10:36	02/23/2024 16:00
SEP-W01@5'	Y402596-05	Soil	February 23, 2024 10:38	02/23/2024 16:00
SEP-W01@10'	Y402596-06	Soil	February 23, 2024 10:40	02/23/2024 16:00
SEP-E01@5'	Y402596-07	Soil	February 23, 2024 10:42	02/23/2024 16:00
SEP-E01@10'	Y402596-08	Soil	February 23, 2024 10:44	02/23/2024 16:00
SEP-B09@13'	Y402596-09	Soil	February 23, 2024 10:46	02/23/2024 16:00
SEP-B10@13'	Y402596-10	Soil	February 23, 2024 10:48	02/23/2024 16:00
SEP-S01@5'	Y402596-11	Soil	February 23, 2024 10:50	02/23/2024 16:00
SEP-S01@10'	Y402596-12	Soil	February 23, 2024 10:52	02/23/2024 16:00
SEP-S02@5'	Y402596-13	Soil	February 23, 2024 10:54	02/23/2024 16:00
SEP-S02@10'	Y402596-14	Soil	February 23, 2024 10:56	02/23/2024 16:00

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BG-05@8'	Y402596-15	Soil	February 23, 2024 11:10	02/23/2024 16:00
BG-05@13'	Y402596-16	Soil	February 23, 2024 11:12	02/23/2024 16:00
BG-06@8'	Y402596-17	Soil	February 23, 2024 11:20	02/23/2024 16:00
BG-06@13'	Y402596-18	Soil	February 23, 2024 11:22	02/23/2024 16:00
BG-07@8'	Y402596-19	Soil	February 23, 2024 11:30	02/23/2024 16:00
BG-07@13'	Y402596-20	Soil	February 23, 2024 11:32	02/23/2024 16:00

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

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LABORATORY, INC

I will Retest
 44025910
 www.originslaboratory.com

page 1 of 2

Client: Eagle Environmental (47)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0174
 Email Address: d.coloccia@eagle-environment.com
 Project Manager: D. Coloccia
 Project Name: Sater 24C, 40N, 24N, 25C-5HZ
 Project Number: -
 Samples Collected By: SG/STW

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix	Analysis			Sample Instructions
				HCl	HNO ₃	Other		Other	Other	Other	
SEP-N01 @ 5'	2/23/24	1030	3	X			Soil	X	X	X	PAHs, EKEPT
SEP-N01 @ 10'		1032									
SEP-N02 @ 5'		1034						X	X	X	benz(a)fluor,
SEP-N02 @ 10'		1036						X	X	X	benz(f)fluor,
SEP-W01 @ 5'		1038						X	X	X	chloro(b-h),
SEP-W01 @ 10'		1040						X	X	X	diac(1,2,3-d)
SEP-E01 @ 5'		1042						X	X	X	metals, EKEPT
SEP-E01 @ 10'		1044						X	X	X	calcium ceres,
SEP-P04 @ 13'		1046						X	X	X	calcium vl, 5, ves-10
SEP-P10 @ 13'		1048						X	X	X	

Temp Received: 4.5 Date Results Needed

Relinquished By: [Signature] Date: 2/23/2024 Time: 11:00
 Received By: [Signature] Date: 2/23/24 Time: 11:00
 Turnaround Time:
 Some Day 24 Hr
 48 Hr 72 Hr
 Standard

Origins Laboratory, Inc.

Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

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page 2 of 2

Client: Eagle Environmental Consulting (07)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-0474
 Email Address: dcoloccia@eagle-env.com

Project Manager: D. Coloccia
 Project Name: Sater 24C, 40N, 24N, 25C-5HZ
 Project Number: -
 Samples Collected By: SC/JW

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix		Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater		
SEP-S01 @ 51	2/23/24	1050	3	X					X	PAH, EHEPT
SEP-S01 @ 101		1052	3						X	benz(a)fluor.
SEP-S02 @ 51		1054	3						X	benz(b)fluor.
SEP-S02 @ 101		1056	3						X	benz(k)fluor.
BC-05 @ 41		1110	2						X	dibenz(ah)
BC-05 @ 131		1112	2						X	idene (1,2,3-tri)
BC-06 @ 81		1120	2						X	
BC-06 @ 131		1132	2						X	* Metals - EHEPT
BC-07 @ 91		1130	2						X	chromium VI, silver
BC-07 @ 131		1132	2						X	
Relinquished By: <i>[Signature]</i>	Date: <u>2/23/2024</u>	Time: <u>1000</u>	Received By: <i>[Signature]</i>	Date: <u>2/23/24</u>	Time: <u>1000</u>	Turnaround Time: <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard				

Temp Received -

4.5

Date Results Needed

Origins Laboratory, Inc.
[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y402596

Client: Eagle

Client Project ID: Sater 24C 40N 24N

Checklist Completed by: EHS

Shipped Via: HO 25C-5

Date/time completed: 2/23/24

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 14.5c / _____ °c / _____ °c (Describe) _____ °c

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	XX			
Is there ice present (document if blue ice is used)	XX			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			XX	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			XX	
Were all samples received intact ⁽¹⁾ ?	XX			
Was adequate sample volume provided ⁽¹⁾ ?	XX			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		XX		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	XXX			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	XXX			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	XXX			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	XXX			
For volatiles in water – Is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			XX	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)			XX	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

[Signature]
 Reviewed by (Project Manager)

2/23/24
 Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N01@5'
2/23/2024 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 76.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
 Surrogate: Toluene-d8 102 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.4 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	0.004	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	
2-Methylnaphthalene	0.008	0.002	"	"	"	Windo	"	"	
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N01@5'
2/23/2024 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-01 (Soil)

PAH by EPA 8270E

Anthracene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	
Surrogate: Anthracene-d10	93.8 %	60-130			"	"	"	
Surrogate: Pyrene-d10	95.4 %	60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"	

Table 915 metals by EPA 6020B

Arsenic	3.66	0.273	mg/kg	10	B4B2339	HJD	02/23/2024	03/06/2024
Barium	76.2	9.40	"	"	"	HJD	"	"
Lead	5.92	0.940	"	"	"	HJD	"	"
Nickel	7.06	0.940	"	"	"	HJD	"	"
Selenium	ND	0.244	"	"	"	HJD	"	"
Zinc	ND	34.8	"	"	"	HJD	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N01@10'
2/23/2024 10:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y402596-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 77.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
 Surrogate: Toluene-d8 93.2 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 94.2 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N01@10'
2/23/2024 10:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-02 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	93.2 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	93.5 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	1.78	0.283	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	81.6	9.76	"	"	"	KMC	"	"
Lead	6.87	0.976	"	"	"	KMC	"	"
Nickel	5.40	0.976	"	"	"	KMC	"	"
Selenium	0.147	0.0976	"	"	"	KMC	"	"
Zinc	ND	36.1	"	"	"	KMC	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N02@5'
2/23/2024 10:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 80.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 111 % 70-130 " " "
 Surrogate: Toluene-d8 102 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 86.6 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N02@5'
2/23/2024 10:34:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-03 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	93.4 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	95.2 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	1.61	0.263	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	50.8	9.06	"	"	"	KMC	"	"
Lead	4.26	0.906	"	"	"	KMC	"	"
Nickel	5.99	0.906	"	"	"	KMC	"	"
Selenium	ND	0.0906	"	"	"	KMC	"	"
Zinc	ND	33.5	"	"	"	KMC	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N02@10'
2/23/2024 10:36:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 80.0 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	U
1,3,5-Trimethylbenzene	0.00300	0.00200	"	"	"	JSM	"	"	
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "
 Surrogate: Toluene-d8 94.4 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 91.2 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N02@10'
2/23/2024 10:36:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-04 (Soil)

PAH by EPA 8270E

Anthracene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	93.5 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	93.5 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	1.33	0.270	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	44.3	9.31	"	"	"	KMC	"	"	
Lead	3.35	0.931	"	"	"	KMC	"	"	
Nickel	5.00	0.931	"	"	"	KMC	"	"	
Selenium	ND	0.0931	"	"	"	KMC	"	"	
Zinc	ND	34.5	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-W01@5'
 2/23/2024 10:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 75.2 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
 Surrogate: Toluene-d8 103 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 90.8 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-W01@5'
 2/23/2024 10:38:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-05 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	
Surrogate: Anthracene-d10	93.7 %	60-130			"	"	"	
Surrogate: Pyrene-d10	96.4 %	60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"	

Table 915 metals by EPA 6020B

Arsenic	1.57	0.248	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	46.4	8.56	"	"	"	KMC	"	"
Lead	3.99	0.856	"	"	"	KMC	"	"
Nickel	5.80	0.856	"	"	"	KMC	"	"
Selenium	ND	0.0856	"	"	"	KMC	"	"
Zinc	ND	31.7	"	"	"	KMC	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-W01@10'
2/23/2024 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-06 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 77.9 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00846	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	
1,3,5-Trimethylbenzene	0.00292	0.00200	"	"	"	JSM	"	"	
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	0.00532	0.00200	"	"	"	JSM	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
 Surrogate: Toluene-d8 105 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 97.8 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-W01@10'
2/23/2024 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-06 (Soil)

PAH by EPA 8270E

Anthracene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	93.3 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	96.3 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %	60-130			"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	1.78	0.256	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	63.6	8.82	"	"	"	KMC	"	"	
Lead	5.70	0.882	"	"	"	KMC	"	"	
Nickel	5.77	0.882	"	"	"	KMC	"	"	
Selenium	ND	0.0882	"	"	"	KMC	"	"	
Zinc	ND	32.6	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-E01@5'
2/23/2024 10:42:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-07 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 73.4 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "
 Surrogate: Toluene-d8 101 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 89.8 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-E01@5'
 2/23/2024 10:42:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-07 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	
Surrogate: Anthracene-d10	93.7 %	60-130			"	"	"	
Surrogate: Pyrene-d10	94.7 %	60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"	

Table 915 metals by EPA 6020B

Arsenic	1.48	0.264	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	41.2	9.10	"	"	"	KMC	"	"
Lead	4.12	0.910	"	"	"	KMC	"	"
Nickel	5.39	0.910	"	"	"	KMC	"	"
Selenium	ND	0.0910	"	"	"	KMC	"	"
Zinc	ND	33.7	"	"	"	KMC	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-E01@10'
2/23/2024 10:44:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-08 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 88.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " " "
 Surrogate: Toluene-d8 102 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 90.5 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-E01@10'
2/23/2024 10:44:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-08 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	93.1 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	95.5 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	1.48	0.263	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	49.5	9.07	"	"	"	KMC	"	"
Lead	4.55	0.907	"	"	"	KMC	"	"
Nickel	4.88	0.907	"	"	"	KMC	"	"
Selenium	ND	0.0907	"	"	"	KMC	"	"
Zinc	ND	33.6	"	"	"	KMC	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-B09@13'
2/23/2024 10:46:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-09 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 76.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0160	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/23/2024	
1,3,5-Trimethylbenzene	0.00822	0.00200	"	"	"	JSM	"	"	
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	0.00412	0.00200	"	"	"	JSM	"	"	
Gasoline Range Hydrocarbons	2.20	0.200	"	"	"	JSM	"	"	

Surrogate: 1,2-Dichloroethane-d4 111 % 70-130 " " "
 Surrogate: Toluene-d8 101 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 102 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	0.002	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	
2-Methylnaphthalene	0.005	0.002	"	"	"	Windo	"	"	
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-B09@13'
2/23/2024 10:46:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-09 (Soil)

PAH by EPA 8270E

Anthracene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	93.2 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	94.4 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"	"	

Table 915 metals by EPA 6020B

Arsenic	3.09	0.256	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	88.5	8.83	"	"	"	KMC	"	"	
Lead	7.33	0.883	"	"	"	KMC	"	"	
Nickel	8.45	0.883	"	"	"	KMC	"	"	
Selenium	ND	0.0883	"	"	"	KMC	"	"	
Zinc	35.2	32.7	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-B10@13'
2/23/2024 10:48:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-10 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 79.3 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/24/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 111 % 70-130 " " "
 Surrogate: Toluene-d8 102 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.7 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-B10@13'
2/23/2024 10:48:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-10 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	99.8 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	92.0 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	95.3 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.63	0.273	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	93.3	9.41	"	"	"	KMC	"	"
Lead	7.82	0.941	"	"	"	KMC	"	"
Nickel	9.48	0.941	"	"	"	KMC	"	"
Selenium	ND	0.0941	"	"	"	KMC	"	"
Zinc	41.0	34.8	"	"	"	KMC	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S01@5'
2/23/2024 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-11 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 76.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/24/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " " "
 Surrogate: Toluene-d8 103 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 105 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S01@5'
2/23/2024 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-11 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	92.9 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	94.5 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.02	0.253	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	54.5	8.74	"	"	"	KMC	"	"
Lead	5.26	0.874	"	"	"	KMC	"	"
Nickel	5.11	0.874	"	"	"	KMC	"	"
Selenium	0.133	0.0874	"	"	"	KMC	"	"
Zinc	ND	32.3	"	"	"	KMC	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S01@10'
2/23/2024 10:52:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-12 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 80.6 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/24/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 108 % 70-130 " " "
 Surrogate: Toluene-d8 104 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.7 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S01@10'
2/23/2024 10:52:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-12 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	92.9 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	91.7 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	1.87	0.247	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	50.5	8.50	"	"	"	KMC	"	"
Lead	5.68	0.850	"	"	"	KMC	"	"
Nickel	5.37	0.850	"	"	"	KMC	"	"
Selenium	ND	0.0850	"	"	"	KMC	"	"
Zinc	ND	31.5	"	"	"	KMC	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S02@5'
2/23/2024 10:54:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-13 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 77.5 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/24/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 109 % 70-130 " " "
 Surrogate: Toluene-d8 103 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.2 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S02@5'
2/23/2024 10:54:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-13 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Anthracene	ND	0.020	"	"	"	Windo	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	93.4 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	95.7 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	100 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.06	0.246	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	75.5	8.48	"	"	"	KMC	"	"
Lead	8.93	0.848	"	"	"	KMC	"	"
Nickel	9.16	0.848	"	"	"	KMC	"	"
Selenium	0.186	0.0848	"	"	"	KMC	"	"
Zinc	40.9	31.4	"	"	"	KMC	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S02@10'
2/23/2024 10:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-14 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4B2329	ZZZ	02/23/2024	02/24/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 75.7 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00650	0.00200	mg/kg	1	B4B2332	JSM	02/23/2024	02/24/2024	
1,3,5-Trimethylbenzene	0.00266	0.00200	"	"	"	JSM	"	"	
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " " "

Surrogate: Toluene-d8 98.2 % 70-130 " " "

Surrogate: 4-Bromofluorobenzene 92.1 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
2-Methylnaphthalene	0.003	0.002	"	"	"	Windo	"	"	
Acenaphthene	ND	0.020	"	"	"	Windo	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S02@10'
2/23/2024 10:56:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-14 (Soil)

PAH by EPA 8270E

Anthracene	ND	0.020	mg/kg	1	B4B2327	Windo	02/23/2024	02/25/2024	U
Benzo (a) anthracene	ND	0.005	"	"	"	Windo	"	"	U
Chrysene	ND	0.020	"	"	"	Windo	"	"	U
Fluoranthene	ND	0.020	"	"	"	Windo	"	"	U
Fluorene	ND	0.020	"	"	"	Windo	"	"	U
Naphthalene	ND	0.002	"	"	"	Windo	"	"	U
Pyrene	ND	0.020	"	"	"	Windo	"	"	U

Surrogate: Fluorene-d10	100 %	60-130			"	"	"	"
Surrogate: Anthracene-d10	92.9 %	60-130			"	"	"	"
Surrogate: Pyrene-d10	95.6 %	60-130			"	"	"	"
Surrogate: Benzo (a) pyrene-d12	99.6 %	60-130			"	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.46	0.273	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024
Barium	104	9.41	"	"	"	KMC	"	"
Lead	6.77	0.941	"	"	"	KMC	"	"
Nickel	6.86	0.941	"	"	"	KMC	"	"
Selenium	0.210	0.0941	"	"	"	KMC	"	"
Zinc	ND	34.8	"	"	"	KMC	"	"

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

BG-05@8'

2/23/2024 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-15 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.38	0.254	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	33.5	8.77	"	"	"	KMC	"	"	
Lead	5.18	0.877	"	"	"	KMC	"	"	
Nickel	3.73	0.877	"	"	"	KMC	"	"	
Selenium	ND	0.0877	"	"	"	KMC	"	"	
Zinc	ND	32.4	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

BG-05@13'

2/23/2024 11:12:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-16 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.52	0.252	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	48.5	8.69	"	"	"	KMC	"	"	
Lead	4.22	0.869	"	"	"	KMC	"	"	
Nickel	5.85	0.869	"	"	"	KMC	"	"	
Selenium	ND	0.0869	"	"	"	KMC	"	"	
Zinc	ND	32.1	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

BG-06@8'

2/23/2024 11:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-17 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.40	0.252	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	49.8	8.69	"	"	"	KMC	"	"	
Lead	4.55	0.869	"	"	"	KMC	"	"	
Nickel	5.18	0.869	"	"	"	KMC	"	"	
Selenium	ND	0.0869	"	"	"	KMC	"	"	
Zinc	ND	32.1	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

BG-06@13'

2/23/2024 11:22:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-18 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.26	0.264	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	43.7	9.10	"	"	"	KMC	"	"	
Lead	2.58	0.910	"	"	"	KMC	"	"	
Nickel	2.71	0.910	"	"	"	KMC	"	"	
Selenium	ND	0.0910	"	"	"	KMC	"	"	
Zinc	ND	33.7	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

BG-07@8'

2/23/2024 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-19 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.47	0.250	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	51.5	8.61	"	"	"	KMC	"	"	
Lead	4.08	0.861	"	"	"	KMC	"	"	
Nickel	5.78	0.861	"	"	"	KMC	"	"	
Selenium	ND	0.0861	"	"	"	KMC	"	"	
Zinc	ND	31.8	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

BG-07@13'

2/23/2024 11:32:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y402596-20 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.41	0.262	mg/kg	10	B4B2339	KMC	02/23/2024	02/29/2024	
Barium	41.8	9.05	"	"	"	KMC	"	"	
Lead	3.54	0.905	"	"	"	KMC	"	"	
Nickel	5.40	0.905	"	"	"	KMC	"	"	
Selenium	ND	0.0905	"	"	"	KMC	"	"	
Zinc	ND	33.5	"	"	"	KMC	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4B2329 - EPA 3550B										
Blank (B4B2329-BLK1)										
					Prepared: 02/23/2024 Analyzed: 02/24/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		83.6	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2329 - EPA 3550B

LCS (B4B2329-BS1)

Prepared: 02/23/2024 Analyzed: 02/24/2024

Diesel (C10-C28)	939	50.0	mg/kg	1000		93.9	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000		107	70-130			
Surrogate: o-Terphenyl	42		"	49.8		83.7	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2329 - EPA 3550B

Matrix Spike (B4B2329-MS1)	Source: Y402596-01			Prepared: 02/23/2024 Analyzed: 02/24/2024						
Diesel (C10-C28)	954	50.0	mg/kg	1000	ND	95.4	70-130			
Residual Range Organics (C28-C40)	1110	200	"	1000	ND	111	70-130			
Surrogate: o-Terphenyl	40		"	49.8		80.7	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2329 - EPA 3550B

Matrix Spike Dup (B4B2329-MSD1)	Source: Y402596-01		Prepared: 02/23/2024 Analyzed: 02/24/2024							
Diesel (C10-C28)	900	50.0	mg/kg	1000	ND	90.0	70-130	5.86	35	
Residual Range Organics (C28-C40)	1040	200	"	1000	ND	104	70-130	6.30	35	
Surrogate: o-Terphenyl	41		"	49.8		81.4	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2332 - EPA 5030 (soil)

Blank (B4B2332-BLK1)

Prepared: 02/23/2024 Analyzed: 02/23/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125	108		70-130			
Surrogate: Toluene-d8	0.11		"	0.125	89.3		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.0		70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2332 - EPA 5030 (soil)

LCS (B4B2332-BS1)

Prepared: 02/23/2024 Analyzed: 02/23/2024

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.0968	0.00200	"	0.100		96.8	70-130			
Benzene	0.0895	0.00200	"	0.100		89.5	70-130			
Ethylbenzene	0.0940	0.00200	"	0.100		94.0	70-130			
Naphthalene	0.105	0.00380	"	0.100		105	70-130			
Toluene	0.0933	0.00200	"	0.100		93.3	70-130			
o-Xylene	0.0894	0.00200	"	0.100		89.4	70-130			
m,p-Xylene	0.184	0.00400	"	0.200		92.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2332 - EPA 5030 (soil)

Matrix Spike (B4B2332-MS1)	Source: Y402596-01			Prepared: 02/23/2024 Analyzed: 02/23/2024						
1,2,4-Trimethylbenzene	0.0970	0.00200	mg/kg	0.100	0.000840	96.1	70-130			
1,3,5-Trimethylbenzene	0.0956	0.00200	"	0.100	ND	95.6	70-130			
Benzene	0.0864	0.00200	"	0.100	ND	86.4	70-130			
Ethylbenzene	0.0924	0.00200	"	0.100	ND	92.4	70-130			
Naphthalene	0.126	0.00380	"	0.100	0.000740	125	70-130			
Toluene	0.0831	0.00200	"	0.100	ND	83.1	70-130			
o-Xylene	0.0930	0.00200	"	0.100	ND	93.0	70-130			
m,p-Xylene	0.185	0.00400	"	0.200	ND	92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		92.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2332 - EPA 5030 (soil)

Matrix Spike Dup (B4B2332-MSD1)	Source: Y402596-01			Prepared: 02/23/2024 Analyzed: 02/23/2024						
1,2,4-Trimethylbenzene	0.0942	0.00200	mg/kg	0.100	0.000840	93.4	70-130	2.87	20	
1,3,5-Trimethylbenzene	0.0926	0.00200	"	0.100	ND	92.6	70-130	3.15	20	
Benzene	0.0831	0.00200	"	0.100	ND	83.1	70-130	3.94	20	
Ethylbenzene	0.0874	0.00200	"	0.100	ND	87.4	70-130	5.50	20	
Naphthalene	0.114	0.00380	"	0.100	0.000740	114	70-130	9.39	20	
Toluene	0.0820	0.00200	"	0.100	ND	82.0	70-130	1.33	20	
o-Xylene	0.0976	0.00200	"	0.100	ND	97.6	70-130	4.85	20	
m,p-Xylene	0.176	0.00400	"	0.200	ND	87.9	70-130	4.93	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2339 - EPA 3050B

Blank (B4B2339-BLK1)

Prepared: 02/23/2024 Analyzed: 03/06/2024

Arsenic	ND	0.290	mg/kg							
Barium	ND	10.0	"							
Lead	ND	1.00	"							
Nickel	ND	1.00	"							
Selenium	ND	0.260	"							
Zinc	ND	37.0	"							

LCS (B4B2339-BS1)

Prepared: 02/23/2024 Analyzed: 03/06/2024

Arsenic	5.68	0.290	mg/kg	5.00		114	80-120			
Barium	542	10.0	"	500		108	80-120			
Lead	5.63	1.00	"	5.00		113	80-120			
Nickel	5.77	1.00	"	5.00		115	80-120			
Selenium	5.56	0.260	"	5.00		111	80-120			
Zinc	60.1	37.0	"	50.0		120	80-120			

Matrix Spike (B4B2339-MS1)

Source: Y402596-01

Prepared: 02/23/2024 Analyzed: 03/06/2024

Arsenic	8.32	0.273	mg/kg	4.71	3.66	99.0	75-125			
Barium	561	9.42	"	471	76.2	103	75-125			
Lead	10.2	0.942	"	4.71	5.92	91.9	75-125			
Nickel	11.4	0.942	"	4.71	7.06	91.9	75-125			
Selenium	5.01	0.245	"	4.71	0.226	101	75-125			
Zinc	77.7	34.9	"	47.1	25.5	111	75-125			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2339 - EPA 3050B

Matrix Spike Dup (B4B2339-MSD1)	Source: Y402596-01			Prepared: 02/23/2024 Analyzed: 03/08/2024						
Arsenic	7.02	0.263	mg/kg	4.53	3.66	74.2	75-125	17.0	20	QM-07
Barium	538	9.06	"	453	76.2	102	75-125	4.09	20	
Lead	8.57	0.906	"	4.53	5.92	58.6	75-125	17.8	20	QM-07
Nickel	10.7	0.906	"	4.53	7.06	81.4	75-125	5.83	20	
Selenium	4.67	0.236	"	4.53	0.226	98.1	75-125	6.93	20	
Zinc	79.0	33.5	"	45.3	25.5	118	75-125	1.70	20	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2327 - EPA 3580

Blank (B4B2327-BLK1)

Prepared: 02/23/2024 Analyzed: 02/25/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
<hr/>										
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		93.5	60-130			
Surrogate: Pyrene-d10	190		"	200		96.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

LCS (B4B2327-BS1)

Prepared: 02/23/2024 Analyzed: 02/25/2024

1-Methylnaphthalene	0.174	0.002	mg/kg	0.200		86.8	70-130			
2-Methylnaphthalene	0.171	0.002	"	0.200		85.6	70-130			
Acenaphthene	0.177	0.020	"	0.200		88.4	70-130			
Anthracene	0.170	0.020	"	0.200		85.0	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2327 - EPA 3580

LCS (B4B2327-BS1)

Prepared: 02/23/2024 Analyzed: 02/25/2024

Benzo (a) anthracene	0.191	0.005	mg/kg	0.200		95.5	70-130			
Benzo (a) pyrene	0.170	0.020	"	0.200		84.8	70-130			
Benzo (b) fluoranthene	0.174	0.020	"	0.200		86.8	70-130			
Benzo (g,h,i) perylene	0.176	0.020	"	0.200		87.8	70-130			
Benzo (k) fluoranthene	0.163	0.020	"	0.200		81.6	70-130			
Chrysene	0.179	0.020	"	0.200		89.5	70-130			
Dibenz (a,h) anthracene	0.180	0.020	"	0.200		89.8	70-130			
Fluoranthene	0.164	0.020	"	0.200		81.8	70-130			
Fluorene	0.179	0.020	"	0.200		89.6	70-130			
Indeno (1,2,3-cd) pyrene	0.184	0.020	"	0.200		92.1	70-130			
Naphthalene	0.180	0.002	"	0.200		90.2	70-130			
Phenanthrene	0.165	0.020	"	0.200		82.4	70-130			
Pyrene	0.163	0.020	"	0.200		81.6	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		94.5	60-130			
Surrogate: Pyrene-d10	190		"	200		93.8	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Matrix Spike (B4B2327-MS1)

Source: Y402596-01

Prepared: 02/23/2024 Analyzed: 02/25/2024

1-Methylnaphthalene	0.182	0.002	mg/kg	0.200	0.004	89.1	70-130			
2-Methylnaphthalene	0.193	0.002	"	0.200	0.008	92.3	70-130			
Acenaphthene	0.176	0.020	"	0.200	0.002	87.3	70-130			
Anthracene	0.170	0.020	"	0.200	ND	85.1	70-130			
Benzo (a) anthracene	0.172	0.005	"	0.200	ND	85.9	70-130			
Benzo (a) pyrene	0.182	0.020	"	0.200	ND	90.8	70-130			
Benzo (b) fluoranthene	0.167	0.020	"	0.200	0.0008	83.3	70-130			
Benzo (g,h,i) perylene	0.181	0.020	"	0.200	0.001	90.0	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2327 - EPA 3580

Matrix Spike (B4B2327-MS1)		Source: Y402596-01			Prepared: 02/23/2024 Analyzed: 02/25/2024					
Benzo (k) fluoranthene	0.169	0.020	mg/kg	0.200	0.001	84.0	70-130			
Chrysene	0.182	0.020	"	0.200	0.0007	90.4	70-130			
Dibenz (a,h) anthracene	0.184	0.020	"	0.200	0.0009	91.4	70-130			
Fluoranthene	0.169	0.020	"	0.200	0.0004	84.1	70-130			
Fluorene	0.182	0.020	"	0.200	0.002	90.1	70-130			
Indeno (1,2,3-cd) pyrene	0.187	0.020	"	0.200	ND	93.6	70-130			
Naphthalene	0.180	0.002	"	0.200	0.001	89.5	70-130			
Phenanthrene	0.166	0.020	"	0.200	0.003	81.7	70-130			
Pyrene	0.160	0.020	"	0.200	0.0007	79.5	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		94.3	60-130			
Surrogate: Pyrene-d10	190		"	200		93.1	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B4B2327-MSD1)		Source: Y402596-01			Prepared: 02/23/2024 Analyzed: 02/25/2024					
1-Methylnaphthalene	0.179	0.002	mg/kg	0.200	0.004	87.6	70-130	1.56	20	
2-Methylnaphthalene	0.188	0.002	"	0.200	0.008	89.9	70-130	2.58	20	
Acenaphthene	0.175	0.020	"	0.200	0.002	86.9	70-130	0.423	20	
Anthracene	0.168	0.020	"	0.200	ND	83.9	70-130	1.45	20	
Benzo (a) anthracene	0.193	0.005	"	0.200	ND	96.5	70-130	11.7	20	
Benzo (a) pyrene	0.181	0.020	"	0.200	ND	90.3	70-130	0.589	20	
Benzo (b) fluoranthene	0.181	0.020	"	0.200	0.0008	89.9	70-130	7.66	20	
Benzo (g,h,i) perylene	0.186	0.020	"	0.200	0.001	92.1	70-130	2.21	20	
Benzo (k) fluoranthene	0.184	0.020	"	0.200	0.001	91.4	70-130	8.37	20	
Chrysene	0.180	0.020	"	0.200	0.0007	89.8	70-130	0.631	20	
Dibenz (a,h) anthracene	0.184	0.020	"	0.200	0.0009	91.3	70-130	0.152	20	
Fluoranthene	0.168	0.020	"	0.200	0.0004	83.9	70-130	0.224	20	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2327 - EPA 3580

Matrix Spike Dup (B4B2327-MSD1)	Source: Y402596-01			Prepared: 02/23/2024 Analyzed: 02/25/2024						
Fluorene	0.179	0.020	mg/kg	0.200	0.002	88.4	70-130	1.90	20	
Indeno (1,2,3-cd) pyrene	0.189	0.020	"	0.200	ND	94.7	70-130	1.13	20	
Naphthalene	0.181	0.002	"	0.200	0.001	90.0	70-130	0.582	20	
Phenanthrene	0.165	0.020	"	0.200	0.003	81.1	70-130	0.764	20	
Pyrene	0.161	0.020	"	0.200	0.0007	80.4	70-130	1.08	20	
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	190		"	200		94.7	60-130			
Surrogate: Pyrene-d10	190		"	200		93.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jordan A. Bynon, Project Manager

March 14, 2024

Eagle Environmental Consulting, LLC

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

**Project Name - KMG - Sater 24C, 40N, 24N,
25C-5HZ**

Project Number - [none]

Attached are your analytical results for KMG - Sater 24C, 40N, 24N, 25C-5HZ received by Origins Laboratory, Inc. March 13, 2024. This project is associated with Origins project number Y403383-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SEP-W02@10'	Y403383-01	Soil	March 13, 2024 9:10	03/13/2024 14:35
SEP-N03@10'	Y403383-02	Soil	March 13, 2024 9:12	03/13/2024 14:35
SEP-S03@10'	Y403383-03	Soil	March 13, 2024 9:14	03/13/2024 14:35
SEP-B11@14'	Y403383-04	Soil	March 13, 2024 9:16	03/13/2024 14:35
SEP-E02@13'	Y403383-05	Soil	March 13, 2024 9:18	03/13/2024 14:35

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

ORIGINS

LABORATORY, INC

Impacted
 4403382

www.originslaboratory.com

page | of 2

Client: Eagle Environmental (b)(4)
 Address: 8000 W 44th Ave
 Wheat Ridge CO 80033
 Telephone Number: 303 433 6479
 Email Address: Dan.Coloccia@eagle-environmental.com

Project Manager: D. Coloccia
 Project Name: Sater 24C, 40N, 24N, 25C-5HZ
 Project Number: [none]
 Samples Collected By: JN

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis			Sample Instructions				
				HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Conister #	Other	STEX.N	TABS		TSPH	PANs +	Ecpt	SAR
SEP-WD2E1C'	3/13/24	0910	3 X					X				X X X X					*PMS kept
SEP-ND3E1C'		0912										X X X X					*PMS kept
SEP-SD3E1C'		0914										X X X X					*PMS kept
SEP-B1E14'		0914										X X X X					*PMS kept
SEP-ED2E13'		0918										X X X X					*PMS kept
WA-WH-BAD8E15'		0920	2									X X X X					*PMS kept
WA-WH-BAD8E1C'		0922										X X X X					*PMS kept
WA-WH-BAD9E15'		0924										X X X X					*PMS kept
WA-WH-BAD9E1C'		0924										X X X X					*PMS kept
WA-WH-BAD9E1D'		0924										X X X X					*PMS kept
WA-WH-BAD9E1S'		0928										X X X X					*PMS kept

Temp Received: 34 Date Results Needed

Relinquished By: [Signature]
 Date: 3/13/24
 Time: 1435

Received By: [Signature]
 Date: 3/13/24
 Time: 1435

Turnaround Time:
 48 Hr
 Same Day
 24 Hr
 72 Hr
 Standard

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Origins Laboratory F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4403383 Client: Eagle
 Client Project ID: Sater 24C, 40N

Checklist Completed by: JAP/ATU Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 3/13/12 Airbill #: N/A

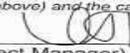
Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1, 34 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.


 Reviewed by (Project Manager) 3/13/12
 Date/Time Reviewed

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-W02@10'
3/13/2024 9:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4C1349	ZZZ	03/13/2024	03/14/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 90.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4C1345	JSM	03/13/2024	03/14/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 103 % 70-130 " " "
 Surrogate: Toluene-d8 102 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.3 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-W02@10'
3/13/2024 9:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-01 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Phenanthrene	ND	0.020	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	102 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	96.4 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	95.4 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %	60-130			"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N03@10'
3/13/2024 9:12:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4C1349	ZZZ	03/13/2024	03/14/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 89.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4C1345	JSM	03/13/2024	03/14/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
 Surrogate: Toluene-d8 100 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 93.1 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-N03@10'
3/13/2024 9:12:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-02 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Phenanthrene	ND	0.020	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	96.3 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	102 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	93.1 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	97.3 %	60-130			"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S03@10'
3/13/2024 9:14:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4C1349	ZZZ	03/13/2024	03/14/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 91.1 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4C1345	JSM	03/13/2024	03/14/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
 Surrogate: Toluene-d8 101 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.5 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-S03@10'
3/13/2024 9:14:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-03 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Phenanthrene	ND	0.020	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	99.7 %	60-130			"	"	"		
Surrogate: Anthracene-d10	95.0 %	60-130			"	"	"		
Surrogate: Pyrene-d10	95.4 %	60-130			"	"	"		
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"		

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-B11@14'
3/13/2024 9:16:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4C1349	ZZZ	03/13/2024	03/14/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl 93.8 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4C1345	JSM	03/13/2024	03/14/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 105 % 70-130 " " "
 Surrogate: Toluene-d8 100 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 92.7 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-B11@14'
3/13/2024 9:16:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-04 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Phenanthrene	ND	0.020	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	102 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	86.4 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %	60-130			"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-E02@13'
3/13/2024 9:18:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B4C1349	ZZZ	03/13/2024	03/14/2024	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: *o*-Terphenyl 89.9 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B4C1345	JSM	03/13/2024	03/14/2024	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Benzene	ND	0.00200	"	"	"	JSM	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	JSM	"	"	U
Toluene	ND	0.00200	"	"	"	JSM	"	"	U
Xylenes, total	ND	0.00200	"	"	"	JSM	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4 98.8 % 70-130 " " "
 Surrogate: Toluene-d8 104 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 90.9 % 70-130 " " "

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

SEP-E02@13'
3/13/2024 9:18:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y403383-05 (Soil)

PAH by EPA 8270E

Acenaphthene	ND	0.020	mg/kg	1	B4C1341	agile	03/13/2024	03/13/2024	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Phenanthrene	ND	0.020	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	101 %	60-130			"	"	"	"	
Surrogate: Anthracene-d10	95.3 %	60-130			"	"	"	"	
Surrogate: Pyrene-d10	98.1 %	60-130			"	"	"	"	
Surrogate: Benzo (a) pyrene-d12	102 %	60-130			"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1345 - EPA 5030 (soil)

Blank (B4C1345-BLK1)

Prepared: 03/13/2024 Analyzed: 03/13/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	94.7		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	101		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	100		70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1345 - EPA 5030 (soil)

LCS (B4C1345-BS1)

Prepared: 03/13/2024 Analyzed: 03/13/2024

1,2,4-Trimethylbenzene	0.104	0.00200	mg/kg	0.100		104	70-130			
1,3,5-Trimethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.112	0.00380	"	0.100		112	70-130			
Toluene	0.106	0.00200	"	0.100		106	70-130			
o-Xylene	0.0980	0.00200	"	0.100		98.0	70-130			
m,p-Xylene	0.212	0.00400	"	0.200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.3	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1345 - EPA 5030 (soil)

Matrix Spike (B4C1345-MS1)	Source: Y403378-01			Prepared: 03/13/2024 Analyzed: 03/13/2024						
1,2,4-Trimethylbenzene	0.0993	0.00200	mg/kg	0.100	ND	99.3	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Benzene	0.0977	0.00200	"	0.100	ND	97.7	70-130			
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Naphthalene	0.0944	0.00380	"	0.100	ND	94.4	70-130			
Toluene	0.102	0.00200	"	0.100	ND	102	70-130			
o-Xylene	0.0957	0.00200	"	0.100	ND	95.7	70-130			
m,p-Xylene	0.206	0.00400	"	0.200	0.00176	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.0	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1345 - EPA 5030 (soil)

Matrix Spike Dup (B4C1345-MSD1)	Source: Y403378-01			Prepared: 03/13/2024 Analyzed: 03/13/2024						
1,2,4-Trimethylbenzene	0.0951	0.00200	mg/kg	0.100	ND	95.1	70-130	4.30	20	
1,3,5-Trimethylbenzene	0.0983	0.00200	"	0.100	ND	98.3	70-130	5.31	20	
Benzene	0.0969	0.00200	"	0.100	ND	96.9	70-130	0.843	20	
Ethylbenzene	0.100	0.00200	"	0.100	ND	100	70-130	2.07	20	
Naphthalene	0.0915	0.00380	"	0.100	ND	91.5	70-130	3.10	20	
Toluene	0.101	0.00200	"	0.100	ND	101	70-130	1.64	20	
o-Xylene	0.0933	0.00200	"	0.100	ND	93.3	70-130	2.48	20	
m,p-Xylene	0.199	0.00400	"	0.200	0.00176	98.5	70-130	3.42	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.6	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4C1349 - EPA 3550B										
Blank (B4C1349-BLK1)										
					Prepared: 03/13/2024 Analyzed: 03/14/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	27		"	24.9		108	50-150			

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1349 - EPA 3550B

LCS (B4C1349-BS1)

Prepared: 03/13/2024 Analyzed: 03/14/2024

Diesel (C10-C28)	816	50.0	mg/kg	1000		81.6	70-130			
Residual Range Organics (C28-C40)	846	200	"	1000		84.6	70-130			
Surrogate: o-Terphenyl	58		"	49.8		117	50-150			

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B4C1349 - EPA 3550B

Matrix Spike (B4C1349-MS1)	Source: Y403378-01			Prepared: 03/13/2024 Analyzed: 03/14/2024						
Diesel (C10-C28)	808	50.0	mg/kg	1000	ND	80.8	70-130			
Residual Range Organics (C28-C40)	844	200	"	1000	ND	84.4	70-130			
Surrogate: o-Terphenyl	47		"	49.8		95.1	50-150			

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4C1349 - EPA 3550B										
Matrix Spike Dup (B4C1349-MSD1)					Source: Y403378-01					Prepared: 03/13/2024 Analyzed: 03/14/2024
Diesel (C10-C28)	789	50.0	mg/kg	1000	ND	78.9	70-130	2.36	35	
Residual Range Organics (C28-C40)	814	200	"	1000	ND	81.4	70-130	3.66	35	
Surrogate: o-Terphenyl	45		"	49.8		90.3	50-150			

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1341 - EPA 3580

Blank (B4C1341-BLK1)

Prepared: 03/13/2024 Analyzed: 03/13/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		99.2	60-130			
Surrogate: Anthracene-d10	200		"	200		101	60-130			
Surrogate: Pyrene-d10	210		"	200		106	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		99.5	60-130			

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1341 - EPA 3580

LCS (B4C1341-BS1)

Prepared: 03/13/2024 Analyzed: 03/14/2024

1-Methylnaphthalene	0.175	0.002	mg/kg	0.200		87.6	70-130			
2-Methylnaphthalene	0.172	0.002	"	0.200		86.0	70-130			
Acenaphthene	0.167	0.020	"	0.200		83.3	70-130			
Anthracene	0.156	0.020	"	0.200		78.2	70-130			
Benzo (a) anthracene	0.156	0.005	"	0.200		78.2	70-130			
Benzo (a) pyrene	0.167	0.020	"	0.200		83.3	70-130			
Benzo (b) fluoranthene	0.174	0.020	"	0.200		86.8	70-130			
Benzo (g,h,i) perylene	0.162	0.020	"	0.200		81.1	70-130			
Benzo (k) fluoranthene	0.179	0.020	"	0.200		89.4	70-130			
Chrysene	0.159	0.020	"	0.200		79.5	70-130			
Dibenz (a,h) anthracene	0.177	0.020	"	0.200		88.7	70-130			
Fluoranthene	0.156	0.020	"	0.200		78.2	70-130			
Fluorene	0.168	0.020	"	0.200		83.9	70-130			
Indeno (1,2,3-cd) pyrene	0.175	0.020	"	0.200		87.6	70-130			
Naphthalene	0.172	0.002	"	0.200		85.9	70-130			
Phenanthrene	0.158	0.020	"	0.200		78.9	70-130			
Pyrene	0.160	0.020	"	0.200		80.0	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	180		"	200		90.2	60-130			
Surrogate: Pyrene-d10	190		"	200		95.2	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

Matrix Spike (B4C1341-MS1)

Source: Y403383-01

Prepared: 03/13/2024 Analyzed: 03/14/2024

1-Methylnaphthalene	0.170	0.002	mg/kg	0.200	ND	85.0	70-130			
2-Methylnaphthalene	0.169	0.002	"	0.200	ND	84.3	70-130			
Acenaphthene	0.164	0.020	"	0.200	ND	82.2	70-130			
Anthracene	0.157	0.020	"	0.200	ND	78.7	70-130			

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Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1341 - EPA 3580

Matrix Spike (B4C1341-MS1)	Source: Y403383-01			Prepared: 03/13/2024 Analyzed: 03/14/2024						
Benzo (a) anthracene	0.154	0.005	mg/kg	0.200	0.001	76.4	70-130			
Benzo (a) pyrene	0.172	0.020	"	0.200	0.003	84.9	70-130			
Benzo (b) fluoranthene	0.173	0.020	"	0.200	ND	86.5	70-130			
Benzo (g,h,i) perylene	0.183	0.020	"	0.200	ND	91.6	70-130			
Benzo (k) fluoranthene	0.174	0.020	"	0.200	0.001	86.4	70-130			
Chrysene	0.161	0.020	"	0.200	ND	80.3	70-130			
Dibenz (a,h) anthracene	0.182	0.020	"	0.200	ND	90.8	70-130			
Fluoranthene	0.153	0.020	"	0.200	ND	76.6	70-130			
Fluorene	0.167	0.020	"	0.200	0.0002	83.6	70-130			
Indeno (1,2,3-cd) pyrene	0.176	0.020	"	0.200	ND	88.0	70-130			
Naphthalene	0.168	0.002	"	0.200	ND	84.2	70-130			
Phenanthrene	0.159	0.020	"	0.200	ND	79.3	70-130			
Pyrene	0.151	0.020	"	0.200	ND	75.4	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		101	60-130			
Surrogate: Anthracene-d10	180		"	200		92.3	60-130			
Surrogate: Pyrene-d10	180		"	200		91.5	60-130			
Surrogate: Benzo (a) pyrene-d12	220		"	200		109	60-130			

Matrix Spike Dup (B4C1341-MSD1)	Source: Y403383-01			Prepared: 03/13/2024 Analyzed: 03/14/2024						
1-Methylnaphthalene	0.169	0.002	mg/kg	0.200	ND	84.7	70-130	0.453	20	
2-Methylnaphthalene	0.168	0.002	"	0.200	ND	84.1	70-130	0.261	20	
Acenaphthene	0.166	0.020	"	0.200	ND	83.2	70-130	1.19	20	
Anthracene	0.159	0.020	"	0.200	ND	79.3	70-130	0.818	20	
Benzo (a) anthracene	0.161	0.005	"	0.200	0.001	80.1	70-130	4.71	20	
Benzo (a) pyrene	0.171	0.020	"	0.200	0.003	84.3	70-130	0.611	20	
Benzo (b) fluoranthene	0.178	0.020	"	0.200	ND	89.2	70-130	3.14	20	
Benzo (g,h,i) perylene	0.159	0.020	"	0.200	ND	79.5	70-130	14.1	20	

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4C1341 - EPA 3580

Matrix Spike Dup (B4C1341-MSD1)	Source: Y403383-01		Prepared: 03/13/2024 Analyzed: 03/14/2024							
Benzo (k) fluoranthene	0.164	0.020	mg/kg	0.200	0.001	81.5	70-130	5.80	20	
Chrysene	0.169	0.020	"	0.200	ND	84.6	70-130	5.22	20	
Dibenz (a,h) anthracene	0.175	0.020	"	0.200	ND	87.7	70-130	3.43	20	
Fluoranthene	0.171	0.020	"	0.200	ND	85.6	70-130	11.2	20	
Fluorene	0.168	0.020	"	0.200	0.0002	84.1	70-130	0.632	20	
Indeno (1,2,3-cd) pyrene	0.168	0.020	"	0.200	ND	84.2	70-130	4.46	20	
Naphthalene	0.173	0.002	"	0.200	ND	86.4	70-130	2.60	20	
Phenanthrene	0.161	0.020	"	0.200	ND	80.5	70-130	1.54	20	
Pyrene	0.163	0.020	"	0.200	ND	81.5	70-130	7.74	20	
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	180		"	200		91.0	60-130			
Surrogate: Pyrene-d10	200		"	200		98.8	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		106	60-130			

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Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sater 24C, 40N, 24N, 25C-5HZ

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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ATTACHMENT B
FIELD NOTES AND PHOTOLOG



Tank Battery Closure Checklist 2

Project	Occidental Petroleum
ID	413310
Survey Date	12/19/2023
User	Sam Greene
Additional Attachments (Optional)	
Site Name & COGCC Facility Number	Sater 24C 40N 24N 25C-5
Remediation Project #	
Date	12/19/2023

Site Information

Associated Wells	
Location	
Latitude	40.153301
Longitude	-104.913144
General Condition of Site	Active release BG-01@6" & BG-02@6" were collected within the berm of the facility. BG-03@6" and BG-04@6" were collected just outside of the facility pad.
USCS Soil Type	<i>Fine Sandy Loam / Fine Sndy Lm</i>
Estimated Depth to Groundwater	<20'
Hydrocarbon Impacted Soils / Spills	Yes - active release
Salt Crusted Soils or Impacted Vegetation	None observed

Soil Samples

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
R1	12/19/2023	01:30 PM	Initial waste characterization @ 6"	1223.3	HC Staining		HC Odor		Separator	
R2	12/19/2023	01:45 PM	BG-01 @ 6"	14.9	N.S		N.O		Background	
R3	12/19/2023	01:50 PM	BG-02 @ 6"	17.9	N.S		N.O		Background	
R4	12/19/2023	02:00 PM	BG-03 @ 6"	4.3	N.S		N.O		Background	
R5	12/19/2023	02:10 PM	BG-04 @ 6"	7.7	N.S		N.O		Background	
R6	01/29/2024	08:40 AM	SEP-B01@6"	0.0	N.S		N.O		Separator	
R7	01/29/2024	08:42 AM	SEP-B02@6"	0.0	N.S		N.O		Separator	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
	2024	AM								
R8	01/29/2024	08:44 AM	SEP-B03@5'	319.4	N.S		HC Odor		Separator	
R9	01/29/2024	08:46 AM	SEP-B04@6"	28.4	N.S		N.O		Separator	
R10	01/29/2024	09:10 AM	SEP-B07@6"	0.2	N.S		N.O		Separator	
R11	01/29/2024	09:12 AM	SEP-B08@6"	0.6	N.S		N.O		Separator	
R12	02/23/2024	10:30 AM	SEP-N01 @ 5'	4.5	N.S		N.O		Separator	
R13	02/23/2024	10:32 AM	SEP-N01 @ 10'	3.6	N.S		N.O		Separator	
R14	02/23/2024	10:34 AM	SEP-N02 @ 5'	3.9	N.S		N.O		Separator	
R15	02/23/2024	10:36 AM	SEP-N02 @ 10'	3.8	N.S		N.O		Separator	
R16	02/23/2024	10:38 AM	SEP-W01 @ 5'	3.1	N.S		N.O		Separator	
R17	02/23/2024	10:40 AM	SEP-W01 @ 10'	4.5	N.S		N.O		Separator	
R18	02/23/2024	10:42 AM	SEP-E01 @ 5'	4.6	N.S		N.O		Separator	
R19	02/23/2024	10:44 AM	SEP-E01 @ 10'	3.2	N.S		N.O		Separator	
R20	02/23/2024	10:46 AM	SEP-B09 @ 13'	11.0	N.S		N.O		Separator	
R21	02/23/2024	10:48 AM	SEP-B10 @ 13'	5.3	N.S		N.O		Separator	
R22	02/23/2024	10:50 AM	SEP-S01 @ 5'	1.8	N.S		N.O		Separator	
R23	02/23/2024	10:52 AM	SEP-S01 @ 10'	1.5	N.S		N.O		Separator	
R24	02/23/2024	10:54 AM	SEP-S02 @ 5'	2.6	N.S		N.O		Separator	
R25	02/23/2024	10:56 AM	SEP-S02 @ 10'	22.6	N.S		N.O		Separator	
R26	02/23/2024	11:10 AM	BG-05 @ 8'	2.0	N.S		N.O		Background	
R27	02/23/2024	11:12 AM	BG-05 @ 13'	2.1	N.S		N.O		Background	
R28	02/23/2024	11:20 AM	BG-06 @ 8'	1.4	N.S		N.O		Background	
R29	02/23/2024	11:22 AM	BG-06 @ 13'	1.6	N.S		N.O		Background	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
R30	02/23/2024	11:30 AM	BG-07 @ 8'	0.8	N.S		N.O		Background	
R31	02/23/2024	11:32 AM	BG-07 @ 13'	0.7	N.S		N.O		Background	
R32	03/13/2024	09:10 AM	SEP-W02@10'	0.4	N.S		N.O		Separator	
R33	03/13/2024	09:12 PM	SEP-N03@10'	0.6	N.S		N.O		Separator	
R34	03/13/2024	09:14 PM	SEP-S03@10'	0.3	N.S		N.O		Separator	
R35	03/13/2024	09:16 PM	SEP-B11@14'	0.4	N.S		N.O		Separator	
R36	03/13/2024	09:18 PM	SEP-E02@13'	0.3	N.S		N.O		Separator	
R37	03/13/2024	09:20 PM	WH-BG08@5'	1.0	N.S		N.O		Background	
R38	03/13/2024	09:22 PM	WH-BG08@10'	1.0	N.S		N.O		Background	
R39	03/13/2024	09:24 PM	WH-BG09@5'	0.7	N.S		N.O		Background	
R40	03/13/2024	09:26 PM	WH-BG09@10'	0.3	N.S		N.O		Background	
R41	03/13/2024	09:28 PM	WH-BG10@5'	0.1	N.S		N.O		Background	
R42	03/13/2024	09:30 PM	WH-BG10@10'	0.2	N.S		N.O		Background	

Photo(s)

R1 - P1



Looking northwest

R2 - P1



Looking east

R3 - P1



Looking north

R4 - P1



Looking northeast

R5 - P1



BG-04 @ 6"

Looking southwest

R6 - P1



X
SEP-B01 @ 6"

X
SEP-B02 @ 6"

Facing West

R8 - P1

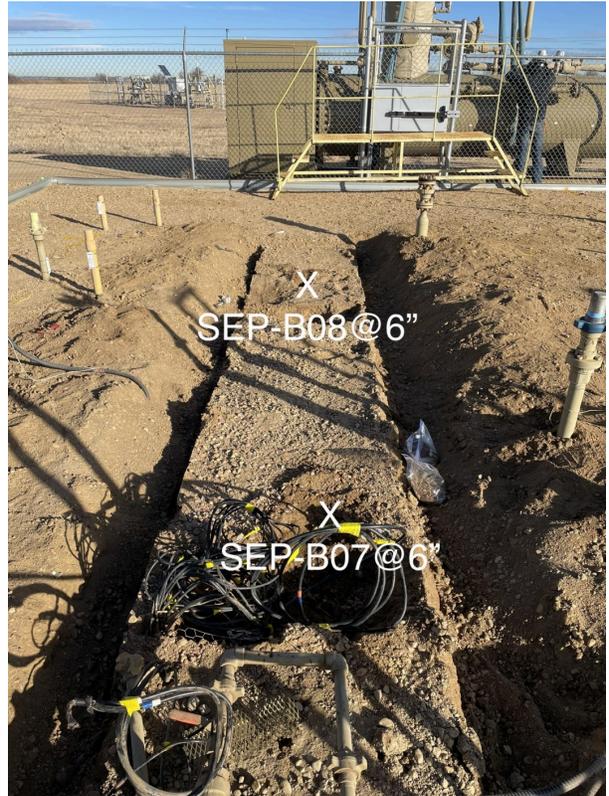


X
SEP-B04 @ 6"

X
SEP-B03 @ 5'

Facing North

R10 - P1



X
SEP-B08 @ 6"

X
SEP-B07 @ 6"

Facing North

R12 - P1



Facing north

R16 - P1



Facing west

R18 - P1



Facing east

R20 - P1



Facing southwest

R22 - P1



Facing south

R26 - P1



Facing northwest

R28 - P1



Facing north

R30 - P1



Facing north

R32 - P1



Facing west

R37 - P1



Facing west

Other observations regarding tanks

Summary

Was impacted soil identified?	Yes - less than 10 cubic yards
Total number of soil samples field screened	42
Total number of soil samples collected	42
Highest PID Reading	1223.3
Total number of soil samples submitted to lab for analysis	42
Was groundwater encountered during the investigation?	Yes - not impacted or in contact with impacted soils
Measured depth to groundwater	
Was remedial groundwater removal conducted?	
Date Groundwater was encountered	
Commencement date of removal	
Sheen on groundwater?	
Free product observed?	
Volume of groundwater removed prior to sampling	
Volume of groundwater removed post sampling	
Total volume of groundwater removed	
Total number of groundwater samples collected	
Total number of groundwater samples submitted to lab for analysis	

**ATTACHMENT C
STATE NOTIFICATION**

From: Ochoa, Ariana

Sent: Tuesday, December 19, 2023 1:06 PM

To: Kari.oakman@state.co.us; Jason Maxey <jmaxey@weldgov.com>; Roy Rudisill (rrudisill@co.weld.co.us) <rrudisill@co.weld.co.us>

Cc: Hamilton, Gregory <Gregory_Hamilton@oxy.com>; Scranton, Lynna <Lynna_Scranton@oxy.com>; Mickelson, Erik <Erik_Mickelson@oxy.com>; Rowley, Taylor <Taylor_Rowley@oxy.com>; Bugarin, Eve M <Eve_Bugarin@oxy.com>; Lytle, Andy <Andrew_Lytle@oxy.com>; Jobe, Don <Don_Jobe@oxy.com>; Grage, Mark <Mark_Grage@oxy.com>; Bartoszek, Jaron <Jaron_Bartoszek@oxy.com>; Brice, Jennifer <Jennifer_Brice@oxy.com>; Neely, Dewey (Platteville) <Dewey_Neely2@oxy.com>; Coleman, Julie <Julie_Coleman@oxy.com>; Riemer, Joseph <Joseph_Riemer@oxy.com>; Wells, Matt <Matthew_Wells@oxy.com>; Mathes, Robert <Robert_Mathes@oxy.com>; Hamlin, Mark G <Mark_Hamlin@oxy.com>; Wells, Matt <Matthew_Wells@oxy.com>

Subject: State Reportable Release 24 Hour Notification - SATER 24C,40N,24N,25C-5HZ O SA

Good afternoon,

We identified a state reportable release due to fluid daylighting from the subsurface from an oil gathering line. The release has been controlled and the line has been shut-in. Clean-up activities are currently in process. A Form 19 Release Report is forthcoming. This release did not threaten Waters of the State, Public Water System, residences or occupied structures, livestock, wildlife, air quality, or publicly-maintained roads.

The following have been notified via specified method below:

- Weld County contacted via electronic mail
- Surface Owner notification in process

The Environmental Release/Incident Report Hotline and Colorado Parks and Wildlife were not contacted as this release did not trigger notification requirements per 912.b.(2)B.

Location Details:

- Facility Name: SATER 24C,40N,24N,25C-5HZ O SA
- Location: SWNE 8 2N 67W
- Latitude/Longitude: 40.15343, -104.91296
- Location ID: 417800

Please let me know if you have any questions.

Thank you,

Ariana Ochoa

Sr. HSE Advisor

Occidental Petroleum Corporation

t: (713) 350-4906