

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB01@20'	SB01@44'	SB03@7'	SB04@1'	SB02@18'
		2/27/2019	2/27/2019	2/27/2019	2/27/2019	3/1/2019
Photoionization Detector Reading						
PID (ppm)	NA	87.3	1447	537.7	186.3	1.5
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	<5.00	22.5	707	12.6	<0.200
TPH-DRO* (mg/kg)	500	<25.0	<25.0	10400	299	<25.0
TPH-RRO* (mg/kg)	500	<100	<100	79800	2480	<100
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	0.164	0.0439	0.932	0.117	0.0352
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	8.25	8.37	6.68	7.70	8.25
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	<0.050	<0.050	3.64	<0.050	<0.002
Toluene (mg/kg)	0.69	<0.050	<0.050	0.402	<0.050	<0.002
Ethylbenzene (mg/kg)	0.78	<0.050	<0.050	0.882	<0.050	<0.002
Xylenes, Total (mg/kg)	9.9	<0.050	0.222	3.30	<0.050	<0.002
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	NA	NA	NA	NA	NA
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB02@36'	SB03@24'	SB03@34'	SB04@14'	SB04@40'
		3/1/2019	3/1/2019	3/1/2019	3/1/2019	3/1/2019
Photoionization Detector Reading						
PID (ppm)	NA	49.6	1356	720.3	86.3	100.9
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	<0.200	779	17.5	<5.00	<5.00
TPH-DRO* (mg/kg)	500	<25.0	812	58.8	<25.0	<25.0
TPH-RRO* (mg/kg)	500	<100	9290	610	<100	<100
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	0.0370	0.0157	0.0497	0.0912	0.0324
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	8.53	8.42	8.25	7.82	8.21
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	<0.002	1.70	0.071	0.240	<0.050
Toluene (mg/kg)	0.69	<0.002	<0.050	<0.050	<0.050	<0.050
Ethylbenzene (mg/kg)	0.78	<0.002	6.48	0.081	<0.050	<0.050
Xylenes, Total (mg/kg)	9.9	<0.002	32.1	0.410	<0.050	<0.050
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	NA	NA	NA	NA	NA
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB05@3'	SB06@1'	SB07@3'	SB08@6'	SB05@20'
		3/1/2019	3/1/2019	3/1/2019	3/1/2019	3/5/2019
Photoionization Detector Reading						
PID (ppm)	NA	450.4	0.3	119.7	20.7	33.1
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	485	5.70	41.3	9.39	<0.200
TPH-DRO* (mg/kg)	500	876	<25.0	<25.0	<25.0	<25.0
TPH-RRO* (mg/kg)	500	10500	181	<100	<100	<100
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	0.191	0.144	0.162	0.131	0.0167
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	7.82	7.87	7.81	7.63	9.07
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	0.562	<0.050	<0.050	<0.050	<0.002
Toluene (mg/kg)	0.69	<0.050	<0.050	<0.050	<0.050	<0.002
Ethylbenzene (mg/kg)	0.78	0.308	<0.050	<0.050	<0.050	<0.002
Xylenes, Total (mg/kg)	9.9	2.72	<0.050	<0.050	<0.050	<0.002
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	NA	NA	NA	NA	NA
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB05@40'	SB06@40'	SB07@40'	SB08@40'	SB09@2'
		3/5/2019	3/5/2019	3/5/2019	3/5/2019	5/13/2020
Photoionization Detector Reading						
PID (ppm)	NA	80.1	23.8	44.0	79.7	133.3
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	<0.200	<0.200	<0.200	<0.200	<5.00
TPH-DRO* (mg/kg)	500	<25.0	<25.0	<25.0	<25.0	<25.0
TPH-RRO* (mg/kg)	500	<100	<100	<100	<100	<100
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	0.0222	0.0230	0.0200	0.0248	NA
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	9.02	8.80	8.86	8.88	NA
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	<0.002	<0.002	<0.002	<0.002	<0.050
Toluene (mg/kg)	0.69	<0.002	<0.002	<0.002	<0.002	<0.050
Ethylbenzene (mg/kg)	0.78	<0.002	<0.002	<0.002	<0.002	<0.050
Xylenes, Total (mg/kg)	9.9	<0.002	<0.002	<0.002	<0.002	<0.050
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	NA	NA	NA	NA	<0.200
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB11@32'	SB12@12'	SB10@32'	SB13@36'	SB14@26'
		5/13/2020	5/13/2020	5/14/2020	5/14/2020	5/14/2020
Photoionization Detector Reading						
PID (ppm)	NA	57.1	59.2	312	16.8	2712
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	<5.00	<5.00	9.52	<5.00	641
TPH-DRO* (mg/kg)	500	<25.0	<25.0	112	<25.0	598
TPH-RRO* (mg/kg)	500	<100	<100	<100	<100	2170
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	NA	NA	NA	NA	NA
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	NA	NA	NA	NA	NA
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene (mg/kg)	0.69	<0.050	<0.050	<0.050	<0.050	0.112
Ethylbenzene (mg/kg)	0.78	<0.050	<0.050	<0.050	<0.050	3.87
Xylenes, Total (mg/kg)	9.9	<0.050	<0.050	0.248	<0.050	27.6
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	<0.200	<0.200	<0.200	<0.200	1.24
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB14@43.5'	SB15@42'	SB15@47'	SB16@33'	SB15R@54'
		5/14/2020	5/15/2020	5/15/2020	5/15/2020	8/17/2020
Photoionization Detector Reading						
PID (ppm)	NA	1410	1492	1088	102.1	1566
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	1220	255	101	<5.00	17.7
TPH-DRO* (mg/kg)	500	NA	104	91.3	78.7	<25.0
TPH-RRO* (mg/kg)	500	NA	316	347	<100	<100
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	NA	NA	NA	NA	NA
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	NA	NA	NA	NA	NA
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	0.164	0.074	<0.050	<0.050	<0.0500
Toluene (mg/kg)	0.69	5.87	<0.050	0.206	<0.050	<0.0500
Ethylbenzene (mg/kg)	0.78	9.05	1.69	0.418	<0.050	<0.0500
Xylenes, Total (mg/kg)	9.9	48.0	9.75	2.57	<0.050	<0.0500
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	1.13	0.374	<0.200	<0.200	NA
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB15R@55'	SB17@49.5'	SB17@55'	SS15R@54'	SS15R@55'
		8/17/2020	8/17/2020	8/17/2020	8/17/2020	8/17/2020
Photoionization Detector Reading						
PID (ppm)	NA	2162	175.0	26.6	156.6	64.7
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	38.4	<5.00	<5.00	17.7	38.4
TPH-DRO* (mg/kg)	500	56.5	<25.0	<25.0	<25.0	56.5
TPH-RRO* (mg/kg)	500	282	<100	<100	<100	282
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	NA	NA	NA	NA	NA
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	NA	NA	NA	NA	NA
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Toluene (mg/kg)	0.69	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Ethylbenzene (mg/kg)	0.78	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Xylenes, Total (mg/kg)	9.9	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	NA	NA	NA	NA	NA
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SS17@49.5'	SS17@55'	SB03R@47'	SB03R@50'	SB14R@44'
		8/17/2020	8/17/2020	8/18/2020	8/18/2020	8/18/2020
Photoionization Detector Reading						
PID (ppm)	NA	175.0	26.6	146.0	56.2	1997
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	<5.00	<5.00	<5.00	<5.00	82.5
TPH-DRO* (mg/kg)	500	<25.0	<25.0	<25.0	<25.0	71.8
TPH-RRO* (mg/kg)	500	<100	<100	<100	<100	191
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	NA	NA	NA	NA	NA
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	NA
pH, Lab (pH units)	6-8.3	NA	NA	NA	NA	NA
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Toluene (mg/kg)	0.69	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
Ethylbenzene (mg/kg)	0.78	<0.0500	<0.0500	<0.0500	<0.0500	0.0745
Xylenes, Total (mg/kg)	9.9	<0.0500	<0.0500	<0.0500	<0.0500	0.527
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	NA	NA	NA	NA	NA
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	NA
Barium (mg/Kg)	82	NA	NA	NA	NA	NA
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	NA
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	NA
Copper (mg/Kg)	46	NA	NA	NA	NA	NA
Lead (mg/Kg)	14	NA	NA	NA	NA	NA
Nickel (mg/Kg)	26	NA	NA	NA	NA	NA
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	NA
Silver (mg/Kg)	0.8	NA	NA	NA	NA	NA
Zinc (mg/Kg)	370	NA	NA	NA	NA	NA



**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB14R@55.5'	SB19@45'	SB19@50'	SB18@50'	SB01R@32'
		8/18/2020	8/18/2020	8/18/2020	8/19/2020	9/30/2021
Photoionization Detector Reading						
PID (ppm)	NA	1797	58.6	13.4	126.9	109.2
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	943	<5.00	<5.00	10.4	NA
TPH-DRO* (mg/kg)	500	124	<25.0	<25.0	<50.0	NA
TPH-RRO* (mg/kg)	500	312	<100	<100	<200	NA
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	NA	NA	NA	NA	0.187
Sodium Adsorption Ratio (SAR)	6	NA	NA	NA	NA	2.26
pH, Lab (pH units)	6-8.3	NA	NA	NA	NA	8.59
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	NA	NA	NA	NA	0.0202
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	0.144	<0.0500	<0.0500	<0.0500	NA
Toluene (mg/kg)	0.69	3.20	<0.0500	<0.0500	<0.0500	NA
Ethylbenzene (mg/kg)	0.78	2.36	<0.0500	<0.0500	<0.0500	NA
Xylenes, Total (mg/kg)	9.9	14.2	<0.0500	<0.0500	<0.0500	NA
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA	NA	<0.00200
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA	NA	<0.00200
Acenaphthene (mg/Kg)	0.55	NA	NA	NA	NA	<0.00067
Anthracene (mg/Kg)	5.8	NA	NA	NA	NA	<0.00067
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA	NA	<0.00067
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA	NA	<0.00067
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA	NA	<0.00067
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA	NA	<0.00067
Chrysene (mg/Kg)	9	NA	NA	NA	NA	0.000311
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA	NA	<0.00067
Fluoranthene (mg/Kg)	8.9	NA	NA	NA	NA	<0.00067
Fluorene (mg/Kg)	0.54	NA	NA	NA	NA	<0.00067
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA	NA	<0.00067
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA	NA	<0.00067
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA	NA	<0.00067
Naphthalene (mg/Kg)	0.0038	NA	NA	NA	NA	<0.00067
Pyrene (mg/Kg)	1.3	NA	NA	NA	NA	<0.00067
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	NA	NA	NA	NA	0.815
Barium (mg/Kg)	82	NA	NA	NA	NA	18.9
Cadmium (mg/Kg)	0.38	NA	NA	NA	NA	0.0487
Chromium, Hexavalent (mg/Kg)	0.00067	NA	NA	NA	NA	<0.5
Copper (mg/Kg)	46	NA	NA	NA	NA	2.52
Lead (mg/Kg)	14	NA	NA	NA	NA	3.6
Nickel (mg/Kg)	26	NA	NA	NA	NA	2.04
Selenium (mg/Kg)	0.26	NA	NA	NA	NA	0.131
Silver (mg/Kg)	0.8	NA	NA	NA	NA	0.0072
Zinc (mg/Kg)	370	NA	NA	NA	NA	8.02

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB01R@40'	SB01R@44'	SB10R@32'	SB10R@44'	SB12R@12'
		9/30/2021	9/30/2021	9/30/2021	9/30/2021	9/30/2021
Photoionization Detector Reading						
PID (ppm)	NA	689.3	55.1	24.5	40.2	2.6
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	NA	NA	NA	NA	NA
TPH-DRO* (mg/kg)	500	NA	NA	NA	NA	NA
TPH-RRO* (mg/kg)	500	NA	NA	NA	NA	NA
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	0.194	0.249	1.00	0.270	0.475
Sodium Adsorption Ratio (SAR)	6	0.925	0.819	2.70	1.15	0.0978
pH, Lab (pH units)	6-8.3	8.41	8.40	7.22	8.09	7.88
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	0.0198	<0.200	0.0806	<0.199	0.832
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	NA	NA	NA	NA	NA
Toluene (mg/kg)	0.69	NA	NA	NA	NA	NA
Ethylbenzene (mg/kg)	0.78	NA	NA	NA	NA	NA
Xylenes, Total (mg/kg)	9.9	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene (mg/kg)	0.0081	0.0314	<0.00200	<0.00200	<0.00200	<0.00200
1,3,5-Trimethylbenzene (mg/kg)	0.0087	0.00716	<0.00200	<0.00200	<0.00200	<0.00200
Acenaphthene (mg/Kg)	0.55	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
Anthracene (mg/Kg)	5.8	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
Benzo (a) anthracene (mg/Kg)	0.011	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
Benzo (b) fluoranthene (mg/Kg)	0.3	<0.00335	0.000227	<0.00067	<0.00067	<0.00067
Benzo (k) fluoranthene (mg/Kg)	2.9	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
Benzo (a) pyrene (mg/Kg)	0.24	<0.00335	<0.00067	<0.00067	<0.00067	0.000194
Chrysene (mg/Kg)	9	<0.00335	0.000276	<0.00067	<0.00067	<0.00067
Dibenz (a,h) anthracene (mg/Kg)	0.096	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
Fluoranthene (mg/Kg)	8.9	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
Fluorene (mg/Kg)	0.54	0.00413	0.000418	<0.00067	<0.00067	<0.00067
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
1-Methylnaphthalene (mg/Kg)	0.006	0.00976	0.000736	<0.00067	<0.00067	0.00294
2-Methylnaphthalene (mg/Kg)	0.019	0.0129	0.00118	<0.00067	<0.00067	0.00213
Naphthalene (mg/Kg)	0.0038	<0.00335	<0.00067	<0.00067	<0.00067	0.00139
Pyrene (mg/Kg)	1.3	<0.00335	<0.00067	<0.00067	<0.00067	<0.00067
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	1.24	3.39	2.8	1.1	1.95
Barium (mg/Kg)	82	28.2	80.1	148	33.3	117
Cadmium (mg/Kg)	0.38	0.0593	0.0357	0.142	0.0297	0.0636
Chromium, Hexavalent (mg/Kg)	0.00067	<0.5	<0.508	<0.502	<0.512	<0.511
Copper (mg/Kg)	46	4.14	2.12	13.5	2.82	7.49
Lead (mg/Kg)	14	3.81	5.42	10.5	3.2	7.29
Nickel (mg/Kg)	26	3.96	3.05	14	2.7	7.93
Selenium (mg/Kg)	0.26	0.17	0.107	0.264	0.146	0.342
Silver (mg/Kg)	0.8	0.0105	0.0128	0.0269	0.0074	0.0332
Zinc (mg/Kg)	370	14.7	15.4	46.3	9.73	29.5

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB12R@37'	SB18R@24'	SB18R@50'	SB03R2@24'	SB03R2@34'
		9/30/2021	9/30/2021	9/30/2021	10/1/2021	10/1/2021
Photoionization Detector Reading						
PID (ppm)	NA	5.3	7.9	18.7	1486	1750
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	NA	NA	NA	129	329
TPH-DRO* (mg/kg)	500	NA	NA	NA	90.0	249
TPH-RRO* (mg/kg)	500	NA	NA	NA	866	1440
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	0.734	0.191	0.262	0.760	0.391
Sodium Adsorption Ratio (SAR)	6	1.05	0.440	1.38	11.8	2.41
pH, Lab (pH units)	6-8.3	7.91	7.71	7.90	8.38	7.52
Boron (mg/kg)	2	NA	NA	NA	NA	NA
Boron (mg/L)	2	0.0596	0.0597	0.0402	<0.199	<0.202
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	NA	NA	NA	<0.0500	<0.0500
Toluene (mg/kg)	0.69	NA	NA	NA	0.423	0.0640
Ethylbenzene (mg/kg)	0.78	NA	NA	NA	0.750	2.52
Xylenes, Total (mg/kg)	9.9	NA	NA	NA	5.19	16.4
1,2,4-Trimethylbenzene (mg/kg)	0.0081	<0.00200	<0.00200	<0.00200	2.00	5.16
1,3,5-Trimethylbenzene (mg/kg)	0.0087	<0.00200	<0.00200	<0.00200	0.582	1.40
Acenaphthene (mg/Kg)	0.55	<0.00067	<0.00067	<0.00067	<0.00335	0.00513
Anthracene (mg/Kg)	5.8	<0.00067	<0.00067	<0.00067	<0.00335	0.00107
Benzo (a) anthracene (mg/Kg)	0.011	<0.00067	<0.00067	<0.00067	<0.00335	0.000765
Benzo (b) fluoranthene (mg/Kg)	0.3	<0.00067	<0.00067	<0.00067	<0.00335	0.000271
Benzo (k) fluoranthene (mg/Kg)	2.9	<0.00067	<0.00067	<0.00067	<0.00335	0.000703
Benzo (a) pyrene (mg/Kg)	0.24	<0.00067	<0.00067	<0.00067	<0.00335	0.000802
Chrysene (mg/Kg)	9	<0.00067	<0.00067	<0.00067	<0.00335	0.00469
Dibenz (a,h) anthracene (mg/Kg)	0.096	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067
Fluoranthene (mg/Kg)	8.9	<0.00067	<0.00067	<0.00067	<0.00335	0.00196
Fluorene (mg/Kg)	0.54	<0.00067	<0.00067	<0.00067	0.00236	0.0255
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	<0.00067	<0.00067	<0.00067	<0.00335	<0.00067
1-Methylnaphthalene (mg/Kg)	0.006	<0.00067	<0.00067	<0.00067	0.0335	0.393
2-Methylnaphthalene (mg/Kg)	0.019	<0.00067	0.00175	<0.00067	0.0555	0.446
Naphthalene (mg/Kg)	0.0038	<0.00067	<0.00067	<0.00067	0.0682	0.464
Pyrene (mg/Kg)	1.3	<0.00067	<0.00067	<0.00067	<0.00335	0.00309
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	2.2	1.47	1.04	1.05	1.06
Barium (mg/Kg)	82	64.2	20	29.8	73.7	27.2
Cadmium (mg/Kg)	0.38	0.0649	0.0385	0.0338	0.0267	0.0378
Chromium, Hexavalent (mg/Kg)	0.00067	<0.5	<0.506	<0.5	<0.501	<0.504
Copper (mg/Kg)	46	7.48	3.67	3.19	5.22	3.99
Lead (mg/Kg)	14	7.77	3.3	2.18	5.96	4.51
Nickel (mg/Kg)	26	7.4	2.82	2.15	5.1	3.62
Selenium (mg/Kg)	0.26	0.372	0.167	0.148	0.433	0.24
Silver (mg/Kg)	0.8	0.019	0.0084	<0.25	0.0201	0.0107
Zinc (mg/Kg)	370	26	10.9	8.42	20.7	14.9

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB14R2@26'	SB14R2@55'	SB15R2@42'	SB15R2@55'	SB20@25'
		10/1/2021	10/1/2021	10/1/2021	10/1/2021	10/4/2021
Photoionization Detector Reading						
PID (ppm)	NA	2055	1117	783.6	191.8	7.7
Total Petroleum Hydrocarbons by USEPA Method 8015D						
TPH-GRO* (mg/kg)	500	323	3910	5.58	0.731	NA
TPH-DRO* (mg/kg)	500	170	199	<25.0	<25.0	NA
TPH-RRO* (mg/kg)	500	421	425	<100	<100	NA
Soil Suitability for Reclamation						
EC (mmhos/cm)	4	0.550	0.248	0.212	0.208	0.340
Sodium Adsorption Ratio (SAR)	6	3.56	0.582	2.14	3.87	3.07
pH, Lab (pH units)	6-8.3	7.38	7.19	7.95	7.88	8.03
Boron (mg/kg)	2	NA	NA	NA	NA	<0.198
Boron (mg/L)	2	0.452	<0.199	<0.202	<0.200	NA
Organic Concentrations in Soil (GPV for Soil)						
Benzene (mg/kg)	0.0026	<0.0500	0.542	<0.00200	<0.00200	NA
Toluene (mg/kg)	0.69	<0.0500	23.6	<0.00200	0.00238	NA
Ethylbenzene (mg/kg)	0.78	1.39	13.7	<0.00200	<0.00200	NA
Xylenes, Total (mg/kg)	9.9	11.5	82.5	<0.00200	0.0112	NA
1,2,4-Trimethylbenzene (mg/kg)	0.0081	8.41	19.9	0.0900	0.00316	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	2.50	5.14	0.00714	<0.00200	NA
Acenaphthene (mg/Kg)	0.55	0.0183	0.0215	0.000938	<0.00067	NA
Anthracene (mg/Kg)	5.8	<0.00335	0.00461	<0.00067	<0.00067	NA
Benzo (a) anthracene (mg/Kg)	0.011	<0.00335	<0.00335	<0.00067	<0.00067	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	0.00315	0.0045	0.000535	<0.00067	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	<0.00335	<0.00335	<0.00067	<0.00067	NA
Benzo (a) pyrene (mg/Kg)	0.24	0.0015	0.00303	0.00032	<0.00067	NA
Chrysene (mg/Kg)	9	0.0207	0.0235	0.0018	<0.00067	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	<0.00335	0.00247	<0.00067	<0.00067	NA
Fluoranthene (mg/Kg)	8.9	0.00346	0.00195	0.000445	<0.00067	NA
Fluorene (mg/Kg)	0.54	0.108	0.122	0.00707	<0.00067	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	<0.00335	<0.00335	<0.00067	<0.00067	NA
1-Methylnaphthalene (mg/Kg)	0.006	0.642	0.846	0.0231	<0.00067	NA
2-Methylnaphthalene (mg/Kg)	0.019	1.08	1.16	0.0328	0.00063	NA
Naphthalene (mg/Kg)	0.0038	0.655	0.98	0.00605	<0.00067	NA
Pyrene (mg/Kg)	1.3	0.0112	0.0137	0.00111	<0.00067	NA
Metals in Soils (GPV for Soil)						
Arsenic (mg/Kg)	0.29	2.25	1.21	1.21	0.726	1.26
Barium (mg/Kg)	82	82	20.7	26.9	26.5	28.2
Cadmium (mg/Kg)	0.38	0.0667	<0.25	0.0293	<0.25	<0.25
Chromium, Hexavalent (mg/Kg)	0.00067	<0.519	<0.502	<0.512	<0.512	<0.5
Copper (mg/Kg)	46	9.1	2.67	3.02	1.32	4.6
Lead (mg/Kg)	14	7.71	2.59	2.84	1.25	4.32
Nickel (mg/Kg)	26	7.51	2.05	2.31	1.25	2.9
Selenium (mg/Kg)	0.26	0.243	0.283	0.172	0.142	0.225
Silver (mg/Kg)	0.8	0.0162	<0.25	<0.25	<0.25	0.0131
Zinc (mg/Kg)	370	27.7	8.78	10.6	3.8	13.2

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

Analyte	Groundwater Protection Values (GPV)	SB20@45'	SB21@25'	SB21@45'
		10/4/2021	10/4/2021	10/4/2021
Photoionization Detector Reading				
PID (ppm)	NA	16.2	7.7	31.4
Total Petroleum Hydrocarbons by USEPA Method 8015D				
TPH-GRO* (mg/kg)	500	NA	NA	NA
TPH-DRO* (mg/kg)	500	NA	NA	NA
TPH-RRO* (mg/kg)	500	NA	NA	NA
Soil Suitability for Reclamation				
EC (mmhos/cm)	4	0.294	0.421	0.306
Sodium Adsorption Ratio (SAR)	6	1.87	1.41	1.41
pH, Lab (pH units)	6-8.3	7.97	7.91	8.31
Boron (mg/kg)	2	<0.201	<0.198	<0.199
Boron (mg/L)	2	NA	NA	NA
Organic Concentrations in Soil (GPV for Soil)				
Benzene (mg/kg)	0.0026	NA	NA	NA
Toluene (mg/kg)	0.69	NA	NA	NA
Ethylbenzene (mg/kg)	0.78	NA	NA	NA
Xylenes, Total (mg/kg)	9.9	NA	NA	NA
1,2,4-Trimethylbenzene (mg/kg)	0.0081	NA	NA	NA
1,3,5-Trimethylbenzene (mg/kg)	0.0087	NA	NA	NA
Acenaphthene (mg/Kg)	0.55	NA	NA	NA
Anthracene (mg/Kg)	5.8	NA	NA	NA
Benzo (a) anthracene (mg/Kg)	0.011	NA	NA	NA
Benzo (b) fluoranthene (mg/Kg)	0.3	NA	NA	NA
Benzo (k) fluoranthene (mg/Kg)	2.9	NA	NA	NA
Benzo (a) pyrene (mg/Kg)	0.24	NA	NA	NA
Chrysene (mg/Kg)	9	NA	NA	NA
Dibenz (a,h) anthracene (mg/Kg)	0.096	NA	NA	NA
Fluoranthene (mg/Kg)	8.9	NA	NA	NA
Fluorene (mg/Kg)	0.54	NA	NA	NA
Indeno (1,2,3-cd) pyrene (mg/Kg)	0.98	NA	NA	NA
1-Methylnaphthalene (mg/Kg)	0.006	NA	NA	NA
2-Methylnaphthalene (mg/Kg)	0.019	NA	NA	NA
Naphthalene (mg/Kg)	0.0038	NA	NA	NA
Pyrene (mg/Kg)	1.3	NA	NA	NA
Metals in Soils (GPV for Soil)				
Arsenic (mg/Kg)	0.29	1.53	0.898	1
Barium (mg/Kg)	82	29.8	15.8	17.3
Cadmium (mg/Kg)	0.38	0.0539	<0.25	<0.25
Chromium, Hexavalent (mg/Kg)	0.00067	<0.516	<0.5	<0.5
Copper (mg/Kg)	46	3.21	2.05	2.63
Lead (mg/Kg)	14	3.6	2.27	3.03
Nickel (mg/Kg)	26	2.59	1.68	1.75
Selenium (mg/Kg)	0.26	0.199	0.106	0.176
Silver (mg/Kg)	0.8	0.0085	0.0082	0.0079
Zinc (mg/Kg)	370	10.8	7.69	9.16

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**DRAGOON COMPRESSOR STATION**  
**ARAPAHOE COUNTY, COLORADO**  
**KERR-MCGEE GATHERING, LLC**

**Notes:**

GPV - groundwater protection values  
mg/kg - milligrams per kilogram  
PID - Photoionization Detector  
ppm - parts per million  
TPH - total petroleum hydrocarbons  
GRO - gasoline range organics  
DRO - diesel range organics  
RRO - residual range organics

EC - electrical conductivity  
SAR - sodium adsorption ratio  
mmhos/cm - millimhos per centimeter  
<0.00200 - less than laboratory reporting limit  
NA - Not Applicable / Not Analyzed  
Bold indicates value exceeds Table 915 Groundwater Protection limits  
\*Allowable level for TPH is 500 mg/kg for combined GRO, DRO,  
and RRO

October 11, 2021

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

Arvada CO 80003

**Project Name - KMG - Dragoon CS****Project Number - TE014219024**

Attached are your analytical results for KMG - Dragoon CS received by Origins Laboratory, Inc. September 30, 2021. This project is associated with Origins project number Y109697-01.

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



WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB18R@24'	Y109697-01	Soil	September 30, 2021 10:20	09/30/2021 15:30
SB18R@50'	Y109697-02	Soil	September 30, 2021 10:30	09/30/2021 15:30
SB10R@32'	Y109697-03	Soil	September 30, 2021 11:10	09/30/2021 15:30
SB10R@44'	Y109697-04	Soil	September 30, 2021 11:30	09/30/2021 15:30
SB01R@32'	Y109697-05	Soil	September 30, 2021 12:15	09/30/2021 15:30
SB01R@40'	Y109697-06	Soil	September 30, 2021 12:35	09/30/2021 15:30
SB01R@44'	Y109697-07	Soil	September 30, 2021 12:45	09/30/2021 15:30
SB12R@12'	Y109697-08	Soil	September 30, 2021 13:35	09/30/2021 15:30
SB12R@37'	Y109697-09	Soil	September 30, 2021 13:50	09/30/2021 15:30

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.*



WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

www.originslaboratory.com

1109167

page 1 of 1

**ORIGINS**  
LABORATORY, INC

Client: WSP, USA  
Address: 4600 W 60th Ave  
Arvada, CO  
Telephone Number: —  
Email Address: KMG group

Project Manager: Brian Sulzberger  
Project Name: Dragoon compressor station  
Project Number: TE014219024  
Samples Collected By: D. Staroback

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa Canister #		
S318 R @ 24'	9/30/2021	1020	2	X				X				*Exclude TPH + BTEX
S318 R @ 50'		1030										
S310 R @ 32'		1110										
S310 R @ 44'		1130										
S301 R @ 32'		1215										
S301 R @ 40'		1235										
S301 R @ 44'		1245										
S312 R @ 12'		1335										
S312 R @ 37'		1350										
Relinquished By: <u>[Signature]</u>	Date: <u>9/30/2021</u>	Time: <u>1530</u>	Time: <u>1530</u>	Received By: <u>[Signature]</u>	Date: <u>9/30/21</u>	Time: <u>1530</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard					

Date Results Needed

Temp Received- 47

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.

WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: Y109697

Client: WSP

Client Project ID: Dragoon CS

Checklist Completed by: JS

Shipped Via: HD

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

Date/time completed: 9/30/12

Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1, 4.7 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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): JS

Date/Time Reviewed: 10/1/12

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB18R@24'

9/30/2021 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.0597	0.00620	0.199	mg/L	1	B1J0433	10/04/2021	10/06/2021	
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1I3019	09/30/2021	10/01/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %		70-130			"	"	"	

**Metals by Saturated Paste**

Calcium	1.03		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021	
2-Methylnaphthalene	0.00175	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB18R@24'

9/30/2021 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-01 (Soil)**

**PAH by 8270D SIM**

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"
Chrysene	ND	0.00027	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"
Fluorene	ND	0.00029	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"
Pyrene	ND	0.00059	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	75.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	87.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	73.9 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.71	pH Units	1	B1J0408	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB18R@24'

9/30/2021 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-01 (Soil)**

**SAR by 20B Saturated Paste**

SAR	0.440			SAR	1	B1J0425	10/04/2021	10/05/2021	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.191		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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**Total Metals by 6020B**

Arsenic	1.47	0.0855	0.25	mg/Kg	5	L577108	10/01/2021	10/04/2021	
Barium	20	0.042	0.25	"	"	"	"	"	
Cadmium	0.0385	0.0259	0.25	"	"	"	"	"	J
Copper	3.67	0.0806	0.25	"	"	"	"	"	
Lead	3.3	0.031	0.25	"	"	"	"	"	
Nickel	2.82	0.0633	0.25	"	"	"	"	"	
Selenium	0.167	0.103	0.25	"	"	"	"	"	J
Silver	0.0084	0.0067	0.25	"	"	"	"	"	J
Zinc	10.9	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.246	0.506	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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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.*

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB18R@50'

9/30/2021 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.0402	0.00626	0.201	mg/L	1	B1J0433	10/04/2021	10/06/2021	
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1I3019	09/30/2021	10/01/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.5 %		70-130			"	"	"	

**Metals by Saturated Paste**

Calcium	0.918		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.09		0.435	"	"	"	"	"	

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021	
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	

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.



WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB18R@50'

9/30/2021 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-02 (Soil)**

**PAH by 8270D SIM**

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"
Chrysene	ND	0.00027	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"
Fluorene	ND	0.00029	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"
Pyrene	ND	0.00059	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	83 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	93.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	77 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.90	pH Units	1	B1J0408	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB18R@50'

9/30/2021 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y109697-02 (Soil)

## SAR by 20B Saturated Paste

SAR	1.38			SAR	1	B1J0425	10/04/2021	10/05/2021	
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.262		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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## Total Metals by 6020B

Arsenic	1.04	0.0855	0.25	mg/Kg	5	L577108	10/01/2021	10/04/2021	
Barium	29.8	0.042	0.25	"	"	"	"	"	
Cadmium	0.0338	0.0259	0.25	"	"	"	"	"	J
Copper	3.19	0.0806	0.25	"	"	"	"	"	
Lead	2.18	0.031	0.25	"	"	"	"	"	
Nickel	2.15	0.0633	0.25	"	"	"	"	"	
Selenium	0.148	0.103	0.25	"	"	"	"	"	J
Silver	ND	0.0067	0.25	"	"	"	"	"	
Zinc	8.42	0.534	2.5	"	"	"	"	"	

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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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.



WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## SB10R@32'

9/30/2021 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y109697-03 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.0806	0.00627	0.201	mg/L	1	B1J0433	10/04/2021	10/06/2021	
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### GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1I3019	09/30/2021	10/02/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	118 %		70-130			"	"	"	
Surrogate: Toluene-d8	101 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

### Metals by Saturated Paste

Calcium	3.45		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021	
Magnesium	1.59		0.823	"	"	"	"	"	
Sodium	4.28		0.435	"	"	"	"	"	

### PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021	
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB10R@32'

9/30/2021 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-03 (Soil)**

**PAH by 8270D SIM**

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"
Chrysene	ND	0.00027	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"
Fluorene	ND	0.00029	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"
Pyrene	ND	0.00059	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	71.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	85.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	72 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.22	pH Units	1	B1J0408	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB10R@32'

9/30/2021 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-03 (Soil)**

**SAR by 20B Saturated Paste**

SAR	2.70			SAR	1	B1J0425	10/04/2021	10/05/2021	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.00		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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**Total Metals by 6020B**

Arsenic	2.8	0.0855	0.25	mg/Kg	5	L577108	10/01/2021	10/04/2021	
Barium	148	0.042	0.25	"	"	"	"	"	
Cadmium	0.142	0.0259	0.25	"	"	"	"	"	J
Copper	13.5	0.0806	0.25	"	"	"	"	"	
Lead	10.5	0.031	0.25	"	"	"	"	"	
Nickel	14	0.0633	0.25	"	"	"	"	"	
Selenium	0.264	0.103	0.25	"	"	"	"	"	
Silver	0.0269	0.0067	0.25	"	"	"	"	"	J
Zinc	46.3	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.502	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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Origins Laboratory, Inc.

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB10R@44'

9/30/2021 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.00619	0.199	mg/L	1	B1J0433	10/04/2021	10/06/2021	
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1I3019	09/30/2021	10/02/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	121 %		70-130			"	"	"
Surrogate: Toluene-d8	100 %		70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.5 %		70-130			"	"	"

**Metals by Saturated Paste**

Calcium	<b>0.943</b>		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021
Magnesium	ND		0.823	"	"	"	"	"
Sodium	<b>0.909</b>		0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"
Anthracene	ND	0.00033	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB10R@44'

9/30/2021 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-04 (Soil)**

**PAH by 8270D SIM**

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577084	10/01/2021	10/01/2021
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"
Chrysene	ND	0.00027	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"
Fluorene	ND	0.00029	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"
Pyrene	ND	0.00059	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	74.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	87.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	68.4 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.09	pH Units	1	B1J0408	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB10R@44'

9/30/2021 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-04 (Soil)**

**SAR by 20B Saturated Paste**

SAR	1.15			SAR	1	B1J0425	10/04/2021	10/05/2021	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.270		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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**Total Metals by 6020B**

Arsenic	1.1	0.0855	0.25	mg/Kg	5	L577108	10/01/2021	10/04/2021	
Barium	33.3	0.042	0.25	"	"	"	"	"	
Cadmium	0.0297	0.0259	0.25	"	"	"	"	"	J
Copper	2.82	0.0806	0.25	"	"	"	"	"	
Lead	3.2	0.031	0.25	"	"	"	"	"	
Nickel	2.7	0.0633	0.25	"	"	"	"	"	
Selenium	0.146	0.103	0.25	"	"	"	"	"	J
Silver	0.0074	0.0067	0.25	"	"	"	"	"	J
Zinc	9.73	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.249	0.512	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@32'

9/30/2021 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.0202	0.00629	0.202	mg/L	1	B1J0433	10/04/2021	10/06/2021	
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1I3019	09/30/2021	10/02/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	120 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.6 %	70-130	"	"	"

**Metals by Saturated Paste**

Calcium	ND	0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.25	0.435	"	"	"	"	"

**PAH by 8270D-SIM**

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L577219	10/04/2021	10/04/2021
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"
Anthracene	ND	0.00033	0.00067	"	"	"	"	"

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@32'

9/30/2021 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-05 (Soil)**

**PAH by 8270D-SIM**

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577219	10/04/2021	10/04/2021	
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	0.000311	0.00027	0.00067	"	"	"	"	"	J
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"	
Fluorene	ND	0.00029	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"	
Pyrene	ND	0.00059	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	74.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	82.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	66.1 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.59	pH Units	1	B1J0408	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

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.



WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@32'

9/30/2021 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-05 (Soil)**

**SAR by 20B Saturated Paste**

SAR	2.26			SAR	1	B1J0425	10/04/2021	10/05/2021	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.187		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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**Total Metals by 6020B**

Arsenic	0.815	0.0855	0.25	mg/Kg	5	L577108	10/01/2021	10/04/2021	
Barium	18.9	0.042	0.25	"	"	"	"	"	
Cadmium	0.0487	0.0259	0.25	"	"	"	"	"	J
Copper	2.52	0.0806	0.25	"	"	"	"	"	
Lead	3.6	0.031	0.25	"	"	"	"	"	
Nickel	2.04	0.0633	0.25	"	"	"	"	"	
Selenium	0.131	0.103	0.25	"	"	"	"	"	J
Silver	0.0072	0.0067	0.25	"	"	"	"	"	J
Zinc	8.02	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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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.*

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@40'

9/30/2021 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.0198	0.00617	0.198	mg/L	1	B1J0433	10/04/2021	10/06/2021
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	0.0314		0.00200	mg/kg	1	B1I3019	09/30/2021	10/02/2021
1,3,5-Trimethylbenzene	0.00716		0.00200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130	"	"	"
Surrogate: Toluene-d8	97.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.8 %	70-130	"	"	"

**Metals by Saturated Paste**

Calcium	0.868	0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.713	0.435	"	"	"	"	"

**PAH by 8270D-SIM**

1-Methylnaphthalene	0.00976	0.00165	0.00335	mg/Kg	5	L577219	10/04/2021	10/04/2021
2-Methylnaphthalene	0.0129	0.00195	0.00335	"	"	"	"	"
Acenaphthene	ND	0.0015	0.00335	"	"	"	"	"
Anthracene	ND	0.00165	0.00335	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@40'

9/30/2021 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-06 (Soil)**

**PAH by 8270D-SIM**

Benzo(a)anthracene	ND	0.00205	0.00335	mg/Kg	5	L577219	10/04/2021	10/04/2021
Benzo(a)pyrene	ND	0.0007	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00105	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00065	0.00335	"	"	"	"	"
Chrysene	ND	0.00135	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.0018	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00195	0.00335	"	"	"	"	"
Fluorene	<b>0.00413</b>	<b>0.00145</b>	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00145	0.00335	"	"	"	"	"
Naphthalene	ND	0.00234	0.00335	"	"	"	"	"
Pyrene	ND	0.00295	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	78.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	95.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	63.6 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.41	pH Units	1	B1J0408	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

Origins Laboratory, Inc.

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

SB01R@40'

9/30/2021 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y109697-06 (Soil)

## SAR by 20B Saturated Paste

SAR	0.925			SAR	1	B1J0425	10/04/2021	10/05/2021	
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.194		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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## Total Metals by 6020B

Arsenic	1.24	0.0855	0.25	mg/Kg	5	L577108	10/01/2021	10/04/2021	
Barium	28.2	0.042	0.25	"	"	"	"	"	
Cadmium	0.0593	0.0259	0.25	"	"	"	"	"	J
Copper	4.14	0.0806	0.25	"	"	"	"	"	
Lead	3.81	0.031	0.25	"	"	"	"	"	
Nickel	3.96	0.0633	0.25	"	"	"	"	"	
Selenium	0.17	0.103	0.25	"	"	"	"	"	J
Silver	0.0105	0.0067	0.25	"	"	"	"	"	J
Zinc	14.7	0.534	2.5	"	"	"	"	"	

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@44'

9/30/2021 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-07 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.00623	0.200	mg/L	1	B1J0602	10/06/2021	10/07/2021	
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1J0514	10/05/2021	10/07/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	112 %		70-130			"	"	"
Surrogate: Toluene-d8	90.4 %		70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	98.0 %		70-130			"	"	"

**Metals by Saturated Paste**

Calcium	1.16		0.499	meq/L	10	[CALC]	10/06/2021	10/07/2021
Magnesium	ND		0.823	"	"	"	"	"
Sodium	0.713		0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	0.000736	0.00033	0.00067	mg/Kg	1	L577835	10/06/2021	10/06/2021
2-Methylnaphthalene	0.00118	0.00039	0.00067	"	"	"	"	"
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"
Anthracene	ND	0.00033	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@44'

9/30/2021 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-07 (Soil)**

**PAH by 8270D SIM**

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577835	10/06/2021	10/06/2021	
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.000227	0.00021	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	0.000276	0.00027	0.00067	"	"	"	"	"	J
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"	
Fluorene	0.000418	0.00029	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"	
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"	
Pyrene	ND	0.00059	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	69.7 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58.8 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.40	pH Units	1	B1J0620	10/06/2021	10/07/2021
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**SAR by 20B Saturated Paste**

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB01R@44'

9/30/2021 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-07 (Soil)**

**SAR by 20B Saturated Paste**

SAR	0.819			SAR	1	B1J0619	10/06/2021	10/07/2021	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.249		0.00500	mmhos/cm	1	B1J0629	10/06/2021	10/07/2021	
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**Total Metals by 6020B**

Arsenic	3.39	0.0855	0.25	mg/Kg	5	L578052	10/07/2021	10/08/2021	
Barium	80.1	0.042	0.25	"	"	"	"	"	
Cadmium	0.0357	0.0259	0.25	"	"	"	"	"	J
Copper	2.12	0.0806	0.25	"	"	"	"	"	
Lead	5.42	0.031	0.25	"	"	"	"	"	
Nickel	3.05	0.0633	0.25	"	"	"	"	"	
Selenium	0.107	0.103	0.25	"	"	"	"	"	J
Silver	0.0128	0.0067	0.25	"	"	"	"	"	J
Zinc	15.4	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.247	0.508	mg/Kg	1	L577996	09/30/2021	10/07/2021	
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## SB12R@12'

9/30/2021 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y109697-08 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.832	0.00617	0.198	mg/L	1	B1J0433	10/04/2021	10/06/2021	
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### GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1I3019	09/30/2021	10/02/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130			"	"	"	
Surrogate: Toluene-d8	97.3 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.5 %		70-130			"	"	"	

### Metals by Saturated Paste

Calcium	3.49		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021	
Magnesium	0.823		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

### PAH by 8270D-SIM

1-Methylnaphthalene	0.00294	0.00033	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021	
2-Methylnaphthalene	0.00213	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## SB12R@12'

9/30/2021 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Waypoint Analytical, Inc. Y109697-08 (Soil)

### PAH by 8270D-SIM

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021	
Benzo(a)pyrene	0.000194	0.00014	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	ND	0.00027	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"	
Fluorene	ND	0.00029	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"	
Naphthalene	0.00139	0.000467	0.00067	"	"	"	"	"	
Pyrene	ND	0.00059	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	63.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	67.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.6 %	29-110	"	"	"

### pH in Soil by 9045D

pH	7.88	pH Units	1	B1J0408	10/04/2021	10/06/2021
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### SAR by 20B Saturated Paste

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## SB12R@12'

9/30/2021 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y109697-08 (Soil)

### SAR by 20B Saturated Paste

SAR	0.0978			SAR	1	B1J0425	10/04/2021	10/05/2021	
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.475		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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### Total Metals by 6020 B

Arsenic	1.95	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Barium	117	0.171	1	"	20	"	"	"	
Cadmium	0.0636	0.0259	0.25	"	5	"	"	"	J
Copper	7.49	0.0806	0.25	"	"	"	"	"	
Lead	7.29	0.031	0.25	"	"	"	"	"	
Nickel	7.93	0.0633	0.25	"	"	"	"	"	
Selenium	0.342	0.103	0.25	"	"	"	"	"	
Silver	0.0332	0.0067	0.25	"	"	"	"	"	J
Zinc	29.5	0.534	2.5	"	"	"	"	"	

### Total Metals by 7196A

Chromium, Hexavalent	ND	0.249	0.511	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## SB12R@37'

9/30/2021 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y109697-09 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.0596	0.00619	0.199	mg/L	1	B1J0433	10/04/2021	10/06/2021	
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### GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1I3019	09/30/2021	10/02/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	112 %		70-130			"	"	"
Surrogate: Toluene-d8	95.8 %		70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	93.6 %		70-130			"	"	"

### Metals by Saturated Paste

Calcium	3.54		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021
Magnesium	1.24		0.823	"	"	"	"	"
Sodium	1.62		0.435	"	"	"	"	"

### PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021
2-Methylnaphthalene	ND	0.00039	0.00067	"	"	"	"	"
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"
Anthracene	ND	0.00033	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB12R@37'

9/30/2021 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y109697-09 (Soil)**

**PAH by 8270D-SIM**

Benzo(a)anthracene	ND	0.00041	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"
Chrysene	ND	0.00027	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"
Fluorene	ND	0.00029	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"
Pyrene	ND	0.00059	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	70.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	59.4 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.91	pH Units	1	B1J0408	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB12R@37'

9/30/2021 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y109697-09 (Soil)**

**SAR by 20B Saturated Paste**

SAR	1.05			SAR	1	B1J0425	10/04/2021	10/05/2021	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.734		0.00500	mmhos/cm	1	B1J0413	10/04/2021	10/06/2021	
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**Total Metals by 6020 B**

Arsenic	2.2	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Barium	64.2	0.171	1	"	20	"	"	"	
Cadmium	0.0649	0.0259	0.25	"	5	"	"	"	J
Copper	7.48	0.0806	0.25	"	"	"	"	"	
Lead	7.77	0.031	0.25	"	"	"	"	"	
Nickel	7.4	0.0633	0.25	"	"	"	"	"	
Selenium	0.372	0.103	0.25	"	"	"	"	"	
Silver	0.019	0.0067	0.25	"	"	"	"	"	J
Zinc	26	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577729	09/30/2021	10/06/2021	
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**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
<b>Batch B1I3019 - EPA 5030 (soil)</b>										
<b>Blank (B1I3019-BLK1)</b>					Prepared: 09/30/2021 Analyzed: 09/30/2021					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Toluene	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Xylenes, total	ND	0.00200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	89.7		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	101		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.4		70-130			

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4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

**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 B113019 - EPA 5030 (soil)**

**LCS (B113019-BS1)**

Prepared: 09/30/2021 Analyzed: 09/30/2021

1,2,4-Trimethylbenzene	0.0563	0.00200	mg/kg	0.0500		113	70-130			
Naphthalene	0.0513	0.0100	"	0.0500		103	70-130			
1,3,5-Trimethylbenzene	0.0547	0.00200	"	0.0500		109	70-130			
Benzene	0.0520	0.00200	"	0.0500		104	70-130			
Ethylbenzene	0.0556	0.00200	"	0.0500		111	70-130			
m,p-Xylene	0.115	0.00400	"	0.100		115	70-130			
o-Xylene	0.0573	0.00200	"	0.0500		115	70-130			
Toluene	0.0536	0.00200	"	0.0500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	88.6		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.1		70-130			

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Brian Sulzberger  
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Project: KMG - Dragoon CS

**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
<b>Batch B113019 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B113019-MS1)</b>		<b>Source: Y109681-01</b>			Prepared: 09/30/2021 Analyzed: 10/04/2021					
1,2,4-Trimethylbenzene	0.0495	0.00200	mg/kg	0.0500	ND	99.0	70-130			QM-07
Naphthalene	0.0325	0.0100	"	0.0500	ND	65.1	70-130			
1,3,5-Trimethylbenzene	0.0501	0.00200	"	0.0500	ND	100	70-130			
Benzene	0.0503	0.00200	"	0.0500	ND	101	70-130			
Ethylbenzene	0.0499	0.00200	"	0.0500	ND	99.8	70-130			
m,p-Xylene	0.104	0.00400	"	0.100	ND	104	70-130			
o-Xylene	0.0501	0.00200	"	0.0500	ND	100	70-130			
Toluene	0.0510	0.00200	"	0.0500	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.5	70-130			

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**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
<b>Batch B113019 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B113019-MSD1)</b>	<b>Source: Y109681-01</b>				Prepared: 09/30/2021 Analyzed: 10/04/2021					
1,2,4-Trimethylbenzene	0.0470	0.00200	mg/kg	0.0500	ND	93.9	70-130	5.23	20	
Naphthalene	0.0394	0.0100	"	0.0500	ND	78.8	70-130	19.1	20	
1,3,5-Trimethylbenzene	0.0476	0.00200	"	0.0500	ND	95.1	70-130	5.16	20	
Benzene	0.0482	0.00200	"	0.0500	ND	96.5	70-130	4.26	20	
Ethylbenzene	0.0463	0.00200	"	0.0500	ND	92.6	70-130	7.44	20	
m,p-Xylene	0.0969	0.00400	"	0.100	ND	96.9	70-130	6.97	20	
o-Xylene	0.0468	0.00200	"	0.0500	ND	93.6	70-130	6.81	20	
Toluene	0.0480	0.00200	"	0.0500	ND	96.0	70-130	5.98	20	
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		119	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.6	70-130			

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Project: KMG - Dragoon CS

**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
<b>Batch B1J0514 - EPA 5030 (soil)</b>										
<b>Blank (B1J0514-BLK1)</b>					Prepared: 10/05/2021 Analyzed: 10/06/2021					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							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	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.2	70-130			

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**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
<b>Batch B1J0514 - EPA 5030 (soil)</b>										
<b>LCS (B1J0514-BS1)</b>					Prepared: 10/05/2021 Analyzed: 10/06/2021					
1,2,4-Trimethylbenzene	0.0463	0.00200	mg/kg	0.0500		92.6	70-130			
Naphthalene	0.0447	0.0100	"	0.0500		89.4	70-130			
1,3,5-Trimethylbenzene	0.0445	0.00200	"	0.0500		89.1	70-130			
Benzene	0.0491	0.00200	"	0.0500		98.2	70-130			
Ethylbenzene	0.0438	0.00200	"	0.0500		87.6	70-130			
m,p-Xylene	0.0913	0.00400	"	0.100		91.3	70-130			
o-Xylene	0.0452	0.00200	"	0.0500		90.3	70-130			
Toluene	0.0479	0.00200	"	0.0500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.4	70-130			

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**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 B1J0514 - EPA 5030 (soil)**

Matrix Spike (B1J0514-MS1)		Source: Y110024-01			Prepared: 10/05/2021 Analyzed: 10/06/2021					
1,2,4-Trimethylbenzene	0.0432	0.00200	mg/kg	0.0500	ND	86.3	70-130			
Naphthalene	0.0431	0.0100	"	0.0500	ND	86.2	70-130			
1,3,5-Trimethylbenzene	0.0413	0.00200	"	0.0500	ND	82.6	70-130			
Benzene	0.0470	0.00200	"	0.0500	ND	94.1	70-130			
Ethylbenzene	0.0412	0.00200	"	0.0500	ND	82.4	70-130			
m,p-Xylene	0.0864	0.00400	"	0.100	ND	86.4	70-130			
o-Xylene	0.0431	0.00200	"	0.0500	ND	86.1	70-130			
Toluene	0.0452	0.00200	"	0.0500	ND	90.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.4	70-130			

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**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
<b>Batch B1J0514 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B1J0514-MSD1)</b>		<b>Source: Y110024-01</b>			Prepared: 10/05/2021 Analyzed: 10/06/2021					
1,2,4-Trimethylbenzene	0.0438	0.00200	mg/kg	0.0500	ND	87.6	70-130	1.52	20	
Naphthalene	0.0426	0.0100	"	0.0500	ND	85.2	70-130	1.21	20	
1,3,5-Trimethylbenzene	0.0419	0.00200	"	0.0500	ND	83.8	70-130	1.35	20	
Benzene	0.0493	0.00200	"	0.0500	ND	98.6	70-130	4.73	20	
Ethylbenzene	0.0432	0.00200	"	0.0500	ND	86.4	70-130	4.64	20	
m,p-Xylene	0.0892	0.00400	"	0.100	ND	89.2	70-130	3.19	20	
o-Xylene	0.0445	0.00200	"	0.0500	ND	89.1	70-130	3.38	20	
Toluene	0.0475	0.00200	"	0.0500	ND	95.0	70-130	5.01	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.9	70-130			

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Project: KMG - Dragoon CS

**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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**Saturated Paste - 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 B1J0408 - NO PREP**

Duplicate (B1J0408-DUP1)		Source: Y109671-01		Prepared: 10/04/2021 Analyzed: 10/06/2021	
pH	7.90	pH Units	7.94	0.505	

**Batch B1J0413 - NO PREP**

Blank (B1J0413-BLK1)				Prepared: 10/04/2021 Analyzed: 10/06/2021	
Specific Conductance (EC)	0.000900	0.00500	mmhos/cm		
Duplicate (B1J0413-DUP1)				Source: Y109671-01	
				Prepared: 10/04/2021 Analyzed: 10/06/2021	
Specific Conductance (EC)	0.368	0.00500	mmhos/cm	0.418	12.8

**Batch B1J0620 - NO PREP**

Duplicate (B1J0620-DUP1)		Source: Y109697-07		Prepared: 10/06/2021 Analyzed: 10/07/2021	
pH	8.29	pH Units	8.40	1.32	

**Batch B1J0629 - NO PREP**

Blank (B1J0629-BLK1)				Prepared: 10/06/2021 Analyzed: 10/07/2021	
Specific Conductance (EC)	0.00150	0.00500	mmhos/cm		
Duplicate (B1J0629-DUP1)				Source: Y109697-07	
				Prepared: 10/06/2021 Analyzed: 10/07/2021	
Specific Conductance (EC)	0.265	0.00500	mmhos/cm	0.249	6.07

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Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577084 - 3550B**

MSD (L 94699-MSD-L577084)		Source: 94699			Prepared: 10/01/2021 Analyzed: 10/01/2021					
Fluorene	0.107	0.00029	mg/Kg	0.167	<0.000290	64	30-130	3.8	30	
Pyrene	0.115	0.00059	"	0.167	<0.000590	68.8	30-130	0.8	30	
Indeno(1,2,3-cd)pyrene	0.1	0.00029	"	0.167	<0.000290	59.8	30-130	15.6	30	
Fluoranthene	0.116	0.00039	"	0.167	<0.000390	69.4	30-130	0.8	30	
Dibenz(a,h)anthracene	0.115	0.00036	"	0.167	<0.000360	68.8	30-130	9.1	30	
1-Methylnaphthalene	0.1	0.00033	"	0.167	<0.000330	59.8	30-130	3.7	30	
Naphthalene	0.0953	0.000467	"	0.167	<0.000467	57	30-130	4.5	30	
2-Methylnaphthalene	0.0952	0.00039	"	0.167	<0.000390	57	30-130	4.1	30	
Chrysene	0.11	0.00027	"	0.167	<0.000270	65.8	30-130	2.6	30	
Acenaphthene	0.102	0.0003	"	0.167	<0.000300	61	30-130	3	30	
Anthracene	0.108	0.00033	"	0.167	<0.000330	64.6	30-130	0	30	
Benzo(a)anthracene	0.112	0.00041	"	0.167	<0.000410	67	30-130	1.8	30	
Benzo(a)pyrene	0.111	0.00014	"	0.167	<0.000140	66.4	30-130	2.6	30	
Benzo(b)fluoranthene	0.105	0.00021	"	0.167	<0.000210	62.8	30-130	2.8	30	
Benzo(k)fluoranthene	0.106	0.00013	"	0.167	<0.000130	63.4	30-130	0	30	
Surrogate: Nitrobenzene-d5	64.5		"	0.333	239	64.5	29-110			
Surrogate: 4-Terphenyl-d14	80.1		"	0.333	282	80.1	33-122			
Surrogate: 2-Fluorobiphenyl	69		"	0.333	242	69	33-115			

MS (L 94699-MS-L577084)		Source: 94699			Prepared: 10/01/2021 Analyzed: 10/01/2021					
Benzo(k)fluoranthene	0.106	0.00013	mg/Kg	0.166	<0.000130	63.8	30-130			
2-Methylnaphthalene	0.0913	0.00039	"	0.166	<0.000390	55	30-130			
Acenaphthene	0.0989	0.0003	"	0.166	<0.000300	59.5	30-130			
Anthracene	0.108	0.00033	"	0.166	<0.000330	65	30-130			
Benzo(a)anthracene	0.11	0.00041	"	0.166	<0.000410	66.2	30-130			
Benzo(a)pyrene	0.114	0.00014	"	0.166	<0.000140	68.6	30-130			
Benzo(b)fluoranthene	0.108	0.00021	"	0.166	<0.000210	65	30-130			

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Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577084 - 3550B**

MS (L 94699-MS-L577084)		Source: 94699			Prepared: 10/01/2021 Analyzed: 10/01/2021					
1-Methylnaphthalene	0.0963	0.00033	mg/Kg	0.166	<0.000330	58	30-130			
Dibenz(a,h)anthracene	0.126	0.00036	"	0.166	<0.000360	75.9	30-130			
Fluoranthene	0.117	0.00039	"	0.166	<0.000390	70.4	30-130			
Fluorene	0.103	0.00029	"	0.166	<0.000290	62	30-130			
Indeno(1,2,3-cd)pyrene	0.117	0.00029	"	0.166	<0.000290	70.4	30-130			
Pyrene	0.116	0.00059	"	0.166	<0.000590	69.8	30-130			
Naphthalene	0.0911	0.000467	"	0.166	<0.000467	54.8	30-130			
Chrysene	0.113	0.00027	"	0.166	<0.000270	68	30-130			
Surrogate: 4-Terphenyl-d14	84.3		"	0.332	282	84.3	33-122			
Surrogate: 2-Fluorobiphenyl	61.4		"	0.332	242	61.4	33-115			
Surrogate: Nitrobenzene-d5	56.3		"	0.332	239	56.3	29-110			

LCS (LCS-L577084)		Prepared: 10/01/2021 Analyzed: 10/01/2021								
1-Methylnaphthalene	0.115	0.00033	mg/Kg	0.167		68.8	30-130			
2-Methylnaphthalene	0.108	0.00039	"	0.167		64.6	30-130			
Acenaphthene	0.115	0.0003	"	0.167		68.8	30-130			
Anthracene	0.122	0.00033	"	0.167		73	30-130			
Benzo(a)anthracene	0.126	0.00041	"	0.167		75.4	30-130			
Fluorene	0.12	0.00029	"	0.167		71.8	30-130			
Benzo(a)pyrene	0.128	0.00014	"	0.167		76.6	30-130			
Pyrene	0.13	0.00059	"	0.167		77.8	30-130			
Indeno(1,2,3-cd)pyrene	0.123	0.00029	"	0.167		73.6	30-130			
Fluoranthene	0.131	0.00039	"	0.167		78.4	30-130			
Dibenz(a,h)anthracene	0.142	0.00036	"	0.167		85	30-130			
Chrysene	0.125	0.00027	"	0.167		74.8	30-130			
Benzo(k)fluoranthene	0.124	0.00013	"	0.167		74.2	30-130			
Benzo(b)fluoranthene	0.121	0.00021	"	0.167		72.4	30-130			

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Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577084 - 3550B**

**LCS (LCS-L577084)**

Prepared: 10/01/2021 Analyzed: 10/01/2021

Naphthalene	0.108	0.000467	mg/Kg	0.167		64.6	30-130			
Surrogate: 4-Terphenyl-d14	95.7		"	0.333		95.7	33-122			
Surrogate: 2-Fluorobiphenyl	81.6		"	0.333		81.6	33-115			
Surrogate: Nitrobenzene-d5	73.8		"	0.333		73.8	29-110			

**LRB (LRB-L577084)**

Prepared: 10/01/2021 Analyzed: 10/01/2021

Anthracene	ND	0.00067	mg/Kg				-			
Chrysene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	73.2		"	0.333		73.2	29-110			
Surrogate: 2-Fluorobiphenyl	74.7		"	0.333		74.7	33-115			
Surrogate: 4-Terphenyl-d14	86.1		"	0.333		86.1	33-122			

**Batch L577835 - 3550B**

**MSD (L 97293-MSD-L577835)**

**Source: 97293**

Prepared: 10/06/2021 Analyzed: 10/06/2021

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Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577835 - 3550B**

MSD (L 97293-MSD-L577835)		Source: 97293			Prepared: 10/06/2021 Analyzed: 10/06/2021					
1-Methylnaphthalene	0.105	0.00033	mg/Kg	0.165	0.0173	53.1	30-130	15.4	30	
Pyrene	0.111	0.00059	"	0.165	0.00723	62.8	30-130	12.9	30	
Naphthalene	0.093	0.000467	"	0.165	0.00373	54.1	30-130	17.5	30	
2-Methylnaphthalene	0.109	0.00039	"	0.165	0.0194	54.3	30-130	15	30	
Acenaphthene	0.103	0.0003	"	0.165	0.00139	61.5	30-130	16.3	30	
Anthracene	0.103	0.00033	"	0.165	0.00142	61.5	30-130	13.1	30	
Benzo(a)anthracene	0.112	0.00041	"	0.165	0.0025	66.3	30-130	10.3	30	
Benzo(b)fluoranthene	0.0894	0.00021	"	0.165	0.00258	52.6	30-130	5	30	
Benzo(a)pyrene	0.108	0.00014	"	0.165	0.0029	63.6	30-130	11.6	30	
Benzo(k)fluoranthene	0.0852	0.00013	"	0.165	0.000508	51.6	30-130	0.7	30	
Chrysene	0.109	0.00027	"	0.165	0.0104	59.7	30-130	12	30	
Dibenz(a,h)anthracene	0.102	0.00036	"	0.165	0.000897	61.2	30-130	4.7	30	
Fluoranthene	0.112	0.00039	"	0.165	0.00321	65.9	30-130	13.5	30	
Fluorene	0.109	0.00029	"	0.165	0.00732	61.6	30-130	16.3	30	
Indeno(1,2,3-cd)pyrene	0.099	0.00029	"	0.165	0.00172	58.9	30-130	1	30	
Surrogate: 2-Fluorobiphenyl	74.2		"	0.33	225	74.2	33-115			
Surrogate: 4-Terphenyl-d14	74.2		"	0.33	231	74.2	33-122			
Surrogate: Nitrobenzene-d5	57.5		"	0.33	185	57.5	29-110			

MS (L 97293-MS-L577835)		Source: 97293			Prepared: 10/06/2021 Analyzed: 10/06/2021					
Dibenz(a,h)anthracene	0.0973	0.00036	mg/Kg	0.166	0.000897	58	30-130			
Fluoranthene	0.0978	0.00039	"	0.166	0.00321	56.9	30-130			
Fluorene	0.0925	0.00029	"	0.166	0.00732	51.3	30-130			
Indeno(1,2,3-cd)pyrene	0.098	0.00029	"	0.166	0.00172	58	30-130			
Benzo(k)fluoranthene	0.0846	0.00013	"	0.166	0.000508	50.9	30-130			
Naphthalene	0.078	0.000467	"	0.166	0.00373	44.7	30-130			
Chrysene	0.0966	0.00027	"	0.166	0.0104	51.9	30-130			

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Project: KMG - Dragoon CS

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577835 - 3550B**

MS (L 97293-MS-L577835)		Source: 97293			Prepared: 10/06/2021 Analyzed: 10/06/2021					
Benzo(a)pyrene	0.0961	0.00014	mg/Kg	0.166	0.0029	56.1	30-130			
Benzo(a)anthracene	0.101	0.00041	"	0.166	0.0025	59.3	30-130			
Acenaphthene	0.0874	0.0003	"	0.166	0.00139	51.8	30-130			
Benzo(b)fluoranthene	0.085	0.00021	"	0.166	0.00258	49.6	30-130			
2-Methylnaphthalene	0.0937	0.00039	"	0.166	0.0194	44.7	30-130			
1-Methylnaphthalene	0.0899	0.00033	"	0.166	0.0173	43.7	30-130			
Pyrene	0.0975	0.00059	"	0.166	0.00723	54.3	30-130			
Anthracene	0.0903	0.00033	"	0.166	0.00142	53.5	30-130			
Surrogate: 4-Terphenyl-d14	65		"	0.332	231	65	33-122			
Surrogate: Nitrobenzene-d5	46.3		"	0.332	185	46.3	29-110			
Surrogate: 2-Fluorobiphenyl	58.7		"	0.332	225	58.7	33-115			

LCS (LCS-L577835)		Prepared: 10/06/2021 Analyzed: 10/06/2021								
Benzo(b)fluoranthene	0.11	0.00021	mg/Kg	0.167		65.8	30-130			
Benzo(a)anthracene	0.123	0.00041	"	0.167		73.6	30-130			
Naphthalene	0.099	0.000467	"	0.167		59.2	30-130			
Chrysene	0.119	0.00027	"	0.167		71.2	30-130			
Fluorene	0.115	0.00029	"	0.167		68.8	30-130			
Fluoranthene	0.124	0.00039	"	0.167		74.2	30-130			
Dibenz(a,h)anthracene	0.11	0.00036	"	0.167		65.8	30-130			
Pyrene	0.121	0.00059	"	0.167		72.4	30-130			
Benzo(a)pyrene	0.125	0.00014	"	0.167		74.8	30-130			
Anthracene	0.117	0.00033	"	0.167		70	30-130			
Acenaphthene	0.111	0.0003	"	0.167		66.4	30-130			
2-Methylnaphthalene	0.109	0.00039	"	0.167		65.2	30-130			
1-Methylnaphthalene	0.105	0.00033	"	0.167		62.8	30-130			
Benzo(k)fluoranthene	0.125	0.00013	"	0.167		74.8	30-130			

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Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577835 - 3550B**

**LCS (LCS-L577835)**

Prepared: 10/06/2021 Analyzed: 10/06/2021

Indeno(1,2,3-cd)pyrene	0.107	0.00029	mg/Kg	0.167		64	30-130			
Surrogate: Nitrobenzene-d5	65.7		"	0.333		65.7	29-110			
Surrogate: 4-Terphenyl-d14	84.3		"	0.333		84.3	33-122			
Surrogate: 2-Fluorobiphenyl	83.1		"	0.333		83.1	33-115			

**LRB (LRB-L577835)**

Prepared: 10/06/2021 Analyzed: 10/06/2021

Benzo(k)fluoranthene	ND	0.00067	mg/Kg				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	64.2		"	0.333		64.2	29-110			
Surrogate: 2-Fluorobiphenyl	72.9		"	0.333		72.9	33-115			
Surrogate: 4-Terphenyl-d14	78.9		"	0.333		78.9	33-122			

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Project: KMG - Dragoon CS

## Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch L577108 - 3050B

<b>MSD (L 94731-MSD-L577108)</b>		<b>Source: Y109697-06</b>			Prepared: 10/01/2021 Analyzed: 10/04/2021					
Selenium	4.15	0.103	mg/Kg	4.6	0.17	90	75-125	0.2	80	
Arsenic	2.96	0.0855	"	2.3	1.24	75	75-125	2.6	80	
Barium	38.2	0.042	"	4.6	28.2	217	75-125	4.2	80	*
Copper	6.49	0.0806	"	2.3	4.14	102	75-125	2.8	80	
Nickel	6.5	0.0633	"	2.3	3.96	110	75-125	0.4	80	
Lead	6.39	0.031	"	2.3	3.81	112	75-125	7.9	80	
Zinc	38.4	0.534	"	23	14.7	103	75-125	1.8	80	
Silver	0.483	0.0067	"	0.46	0.0105	105	75-125	5.6	80	
Cadmium	0.541	0.0259	"	0.46	0.0593	118	75-125	4.1	80	
<b>MS (L 94731-MS-L577108)</b>		<b>Source: Y109697-06</b>			Prepared: 10/01/2021 Analyzed: 10/04/2021					
Nickel	6.53	0.0633	mg/Kg	2.46	3.96	105	75-125			
Zinc	39.1	0.534	"	24.6	14.7	99	75-125			
Silver	0.511	0.0067	"	0.492	0.0105	104	75-125			
Selenium	4.14	0.103	"	4.92	0.17	84	75-125			
Lead	5.9	0.031	"	2.46	3.81	85	75-125			
Copper	6.31	0.0806	"	2.46	4.14	88	75-125			
Cadmium	0.564	0.0259	"	0.492	0.0593	115	75-125			
Barium	36.6	0.042	"	4.92	28.2	171	75-125			*
Arsenic	3.04	0.0855	"	2.46	1.24	73	75-125			*
<b>LCS (LCS-L577108)</b>		Prepared: 10/01/2021 Analyzed: 10/05/2021								
Silver	0.525	0.0067	mg/Kg	0.5		105	80-120			
Cadmium	0.494	0.0259	"	0.5		99	80-120			
Arsenic	2.46	0.0855	"	2.5		98	80-120			
Nickel	2.66	0.0633	"	2.5		106	80-120			
Zinc	25.3	0.534	"	25		101	80-120			

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Project: KMG - Dragoon CS

## Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch L577108 - 3050B

#### LCS (LCS-L577108)

Prepared: 10/01/2021 Analyzed: 10/04/2021

Copper	2.62	0.0806	mg/Kg	2.5		105	80-120			
Barium	4.91	0.042	"	5		98	80-120			
Selenium	4.71	0.103	"	5		94	80-120			
Lead	2.47	0.031	"	2.5		99	80-120			

#### LRB (LRB-L577108)

Prepared: 10/01/2021 Analyzed: 10/04/2021

Cadmium	ND	0.25	mg/Kg				-			
Barium	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Silver	ND	0.25	"				-			
Zinc	ND	2.5	"				-			
Arsenic	ND	0.25	"				-			

### Batch L578052 - 3050B

#### MSD (L 97957-MSD-L578052)

Source: 97957

Prepared: 10/07/2021 Analyzed: 10/08/2021

Arsenic	4.95	0.0855	mg/Kg	2.48	3.19	71	75-125	8.1	80	*
Lead	11.2	0.031	"	2.48	8.99	89	75-125	0.8	80	
Zinc	67.2	0.534	"	24.8	43.2	97	75-125	0.1	80	
Silver	0.526	0.0067	"	0.496	0.0471	106	75-125	0.3	80	
Selenium	3.74	0.103	"	4.96	0.22	75	75-125	4.1	80	
Nickel	16	0.0633	"	2.48	13.6	97	75-125	0.6	80	
Copper	12.4	0.0806	"	2.48	10.3	85	75-125	1.6	80	
Cadmium	0.635	0.0259	"	0.496	0.18	128	75-125	8.8	80	*

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Project: KMG - Dragoon CS

## Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L578052 - 3050B</b>										
<b>MSD (L 97957-MSD-L578052)</b>			<b>Source: 97957</b>		Prepared: 10/07/2021 Analyzed: 10/08/2021					
Barium	201	0.042	mg/Kg	4.96	177	484	75-125	7.1	80	*
<b>MS (L 97957-MS-L578052)</b>			<b>Source: 97957</b>		Prepared: 10/07/2021 Analyzed: 10/08/2021					
Lead	11.3	0.031	mg/Kg	2.49	8.99	93	75-125			
Copper	12.2	0.0806	"	2.49	10.3	76	75-125			
Selenium	3.9	0.103	"	4.99	0.22	78	75-125			
Nickel	16.1	0.0633	"	2.49	13.6	100	75-125			
Silver	0.524	0.0067	"	0.499	0.0471	105	75-125			
Barium	216	0.042	"	4.99	177	782	75-125			*
Zinc	67.1	0.534	"	24.9	43.2	96	75-125			
Arsenic	5.37	0.0855	"	2.49	3.19	87	75-125			
Cadmium	0.694	0.0259	"	0.499	0.18	139	75-125			*
<b>LCS (LCS-L578052)</b>			Prepared: 10/07/2021 Analyzed: 10/08/2021							
Lead	2.57	0.031	mg/Kg	2.5		103	80-120			
Copper	2.52	0.0806	"	2.5		101	80-120			
Cadmium	0.498	0.0259	"	0.5		100	80-120			
Barium	5.42	0.042	"	5		108	80-120			
Arsenic	2.54	0.0855	"	2.5		102	80-120			
Selenium	5.27	0.103	"	5		105	80-120			
Silver	0.537	0.0067	"	0.5		107	80-120			
Nickel	2.58	0.0633	"	2.5		103	80-120			
Zinc	25.5	0.534	"	25		102	80-120			
<b>LRB (LRB-L578052)</b>			Prepared: 10/07/2021 Analyzed: 10/08/2021							
Silver	ND	0.25	mg/Kg			-				
Arsenic	ND	0.25	"			-				

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**Total Metals by 6020B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L578052 - 3050B

LRB (LRB-L578052)

Prepared: 10/07/2021 Analyzed: 10/08/2021

Barium	ND	0.25	mg/Kg				-			
Cadmium	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Zinc	ND	2.5	"				-			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L577729 -</b>										
<b>DUP (L 94726-DUP)</b>		<b>Source: Y109697-01</b>			Prepared: Analyzed: 10/06/2021					
Chromium, Hexavalent	ND	0.251	mg/Kg		<0.515		-	0	20	
<b>MS (L 94726-MS)</b>		<b>Source: Y109697-01</b>			Prepared: Analyzed: 10/06/2021					
Chromium, Hexavalent	1.57	0.244	mg/Kg	8	<0.244	20	75-125			*
<b>Batch L577996 -</b>										
<b>DUP (L 97356-DUP)</b>		<b>Source: 97356</b>			Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	ND	0.488	mg/Kg		97356		-	0	20	
<b>MS (L 97356-MS)</b>		<b>Source: 97356</b>			Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	5.1	1.22	mg/Kg	7.81	97356	65	75-125			*
<b>LCS (LCS)</b>					Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	6.16	0.244	mg/Kg	8		77	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Project: KMG - Dragoon CS

**PAH by 8270D-SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577219 - 3550B**

MSD (L 94780-MSD-L577219)		Source: 94780			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Acenaphthene	0.114	0.0003	mg/Kg	0.164	<0.000300	69.5	30-130	9.1	30	
2-Methylnaphthalene	0.105	0.00039	"	0.164	<0.000390	64	30-130	10.7	30	
Fluoranthene	0.125	0.00039	"	0.164	<0.000390	76.2	30-130	7.4	30	
1-Methylnaphthalene	0.106	0.00033	"	0.164	<0.000330	64.6	30-130	8.4	30	
Pyrene	0.124	0.00059	"	0.164	<0.000590	75.6	30-130	8.4	30	
Anthracene	0.121	0.00033	"	0.164	<0.000330	73.7	30-130	7.7	30	
Benzo(a)anthracene	0.123	0.00041	"	0.164	<0.000410	75	30-130	7.5	30	
Naphthalene	0.1	0.000467	"	0.164	<0.000467	60.9	30-130	8.7	30	
Fluorene	0.119	0.00029	"	0.164	<0.000290	72.5	30-130	8.7	30	
Indeno(1,2,3-cd)pyrene	0.101	0.00029	"	0.164	<0.000290	61.5	30-130	4.9	30	
Benzo(a)pyrene	0.124	0.00014	"	0.164	<0.000140	75.6	30-130	6.6	30	
Dibenz(a,h)anthracene	0.12	0.00036	"	0.164	<0.000360	73.1	30-130	3.3	30	
Chrysene	0.123	0.00027	"	0.164	<0.000270	75	30-130	7.5	30	
Benzo(k)fluoranthene	0.0907	0.00013	"	0.164	<0.000130	55.3	30-130	3.6	30	
Benzo(b)fluoranthene	0.097	0.00021	"	0.164	<0.000210	59.1	30-130	10.7	30	
Surrogate: 2-Fluorobiphenyl	85.4		"	0.329	250	85.4	33-115			
Surrogate: 4-Terphenyl-d14	95.7		"	0.329	303	95.7	33-122			
Surrogate: Nitrobenzene-d5	78.7		"	0.329	242	78.7	29-110			

MS (L 94780-MS-L577219)		Source: 94780			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Dibenz(a,h)anthracene	0.116	0.00036	mg/Kg	0.164	<0.000360	70.7	30-130			
Chrysene	0.114	0.00027	"	0.164	<0.000270	69.5	30-130			
Naphthalene	0.0916	0.000467	"	0.164	<0.000467	55.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0961	0.00029	"	0.164	<0.000290	58.5	30-130			
Fluorene	0.109	0.00029	"	0.164	<0.000290	66.4	30-130			
Pyrene	0.114	0.00059	"	0.164	<0.000590	69.5	30-130			
1-Methylnaphthalene	0.0974	0.00033	"	0.164	<0.000330	59.3	30-130			

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Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D-SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577219 - 3550B**

MS (L 94780-MS-L577219)		Source: 94780			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Benzo(k)fluoranthene	0.0941	0.00013	mg/Kg	0.164	<0.000130	57.3	30-130			
Benzo(b)fluoranthene	0.0871	0.00021	"	0.164	<0.000210	53.1	30-130			
Benzo(a)pyrene	0.116	0.00014	"	0.164	<0.000140	70.7	30-130			
Benzo(a)anthracene	0.114	0.00041	"	0.164	<0.000410	69.5	30-130			
Anthracene	0.112	0.00033	"	0.164	<0.000330	68.2	30-130			
Acenaphthene	0.104	0.0003	"	0.164	<0.000300	63.4	30-130			
2-Methylnaphthalene	0.0943	0.00039	"	0.164	<0.000390	57.5	30-130			
Fluoranthene	0.116	0.00039	"	0.164	<0.000390	70.7	30-130			
Surrogate: Nitrobenzene-d5	65.8		"	0.328	242	65.8	29-110			
Surrogate: 4-Terphenyl-d14	88.7		"	0.328	303	88.7	33-122			
Surrogate: 2-Fluorobiphenyl	73.4		"	0.328	250	73.4	33-115			

LCS (LCS-L577219)		Prepared: 10/04/2021 Analyzed: 10/04/2021								
Anthracene	0.122	0.00033	mg/Kg	0.167		73	30-130			
Acenaphthene	0.113	0.0003	"	0.167		67.6	30-130			
2-Methylnaphthalene	0.109	0.00039	"	0.167		65.2	30-130			
Benzo(a)anthracene	0.125	0.00041	"	0.167		74.8	30-130			
1-Methylnaphthalene	0.111	0.00033	"	0.167		66.4	30-130			
Fluoranthene	0.128	0.00039	"	0.167		76.6	30-130			
Benzo(a)pyrene	0.126	0.00014	"	0.167		75.4	30-130			
Benzo(b)fluoranthene	0.104	0.00021	"	0.167		62.2	30-130			
Benzo(k)fluoranthene	0.0972	0.00013	"	0.167		58.2	30-130			
Fluorene	0.119	0.00029	"	0.167		71.2	30-130			
Indeno(1,2,3-cd)pyrene	0.113	0.00029	"	0.167		67.6	30-130			
Naphthalene	0.106	0.000467	"	0.167		63.4	30-130			
Pyrene	0.127	0.00059	"	0.167		76	30-130			
Chrysene	0.126	0.00027	"	0.167		75.4	30-130			

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Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D-SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577219 - 3550B**

**LCS (LCS-L577219)**

Prepared: 10/04/2021 Analyzed: 10/04/2021

Dibenz(a,h)anthracene	0.136	0.00036	mg/Kg	0.167		81.4	30-130			
Surrogate: 2-Fluorobiphenyl	88.2		"	0.333		88.2	33-115			
Surrogate: 4-Terphenyl-d14	102		"	0.333		102	33-122			
Surrogate: Nitrobenzene-d5	79.2		"	0.333		79.2	29-110			

**LRB (LRB-L577219)**

Prepared: 10/04/2021 Analyzed: 10/04/2021

Anthracene	ND	0.00067	mg/Kg				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	80.4		"	0.333		80.4	33-115			
Surrogate: 4-Terphenyl-d14	88.2		"	0.333		88.2	33-122			
Surrogate: Nitrobenzene-d5	78.3		"	0.333		78.3	29-110			

**Batch L577294 - 3550B**

**MSD (L 94734-MSD-L577294)**

**Source: 94734**

Prepared: 10/04/2021 Analyzed: 10/04/2021

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Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D-SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L577294 - 3550B

MSD (L 94734-MSD-L577294)		Source: 94734			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Fluoranthene	0.117	0.00039	mg/Kg	0.166	<0.000390	70.4	30-130	0.8	30	
Pyrene	0.112	0.00059	"	0.166	<0.000590	67.4	30-130	2.6	30	
Benzo(a)pyrene	0.111	0.00014	"	0.166	0.000487	66.8	30-130	0	30	
Benzo(b)fluoranthene	0.0868	0.00021	"	0.166	0.000567	52.2	30-130	13.1	30	
Benzo(k)fluoranthene	0.0913	0.00013	"	0.166	<0.000130	55	30-130	1.4	30	
Dibenz(a,h)anthracene	0.121	0.00036	"	0.166	<0.000360	72.8	30-130	1.6	30	
Fluorene	0.114	0.00029	"	0.166	0.000367	68.6	30-130	0.8	30	
Indeno(1,2,3-cd)pyrene	0.128	0.00029	"	0.166	<0.000290	77.1	30-130	0.7	30	
Naphthalene	0.102	0.000467	"	0.166	<0.000467	61.4	30-130	6.1	30	
Benzo(a)anthracene	0.12	0.00041	"	0.166	<0.000410	72.2	30-130	3.2	30	
Anthracene	0.113	0.00033	"	0.166	0.000462	68	30-130	2.6	30	
Acenaphthene	0.112	0.0003	"	0.166	<0.000300	67.4	30-130	1.8	30	
1-Methylnaphthalene	0.108	0.00033	"	0.166	0.00133	64.2	30-130	2.8	30	
2-Methylnaphthalene	0.109	0.00039	"	0.166	0.00157	64.7	30-130	3.7	30	
Chrysene	0.116	0.00027	"	0.166	0.000812	69.3	30-130	2.6	30	
Surrogate: Nitrobenzene-d5	64.4		"	0.332	192	64.4	29-110			
Surrogate: 4-Terphenyl-d14	71		"	0.332	216	71	33-122			
Surrogate: 2-Fluorobiphenyl	74		"	0.332	225	74	33-115			

MS (L 94734-MS-L577294)		Source: 94734			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Benzo(k)fluoranthene	0.09	0.00013	mg/Kg	0.166	<0.000130	54.2	30-130			
Pyrene	0.115	0.00059	"	0.166	<0.000590	69.2	30-130			
Naphthalene	0.0959	0.000467	"	0.166	<0.000467	57.7	30-130			
Indeno(1,2,3-cd)pyrene	0.129	0.00029	"	0.166	<0.000290	77.7	30-130			
Fluorene	0.115	0.00029	"	0.166	0.000367	69.2	30-130			
Fluoranthene	0.118	0.00039	"	0.166	<0.000390	71	30-130			
1-Methylnaphthalene	0.105	0.00033	"	0.166	0.00133	62.4	30-130			

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D-SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577294 - 3550B**

MS (L 94734-MS-L577294)		Source: 94734			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Chrysene	0.113	0.00027	mg/Kg	0.166	0.000812	67.5	30-130			
Benzo(b)fluoranthene	0.099	0.00021	"	0.166	0.000567	59.6	30-130			
Benzo(a)pyrene	0.111	0.00014	"	0.166	0.000487	66.8	30-130			
Benzo(a)anthracene	0.124	0.00041	"	0.166	<0.000410	74.6	30-130			
Anthracene	0.116	0.00033	"	0.166	0.000462	69.8	30-130			
Acenaphthene	0.11	0.0003	"	0.166	<0.000300	66.2	30-130			
2-Methylnaphthalene	0.105	0.00039	"	0.166	0.00157	62.3	30-130			
Dibenz(a,h)anthracene	0.119	0.00036	"	0.166	<0.000360	71.6	30-130			
Surrogate: Nitrobenzene-d5	64		"	0.331	192	64	29-110			
Surrogate: 4-Terphenyl-d14	72.8		"	0.331	216	72.8	33-122			
Surrogate: 2-Fluorobiphenyl	74		"	0.331	225	74	33-115			

LCS (LCS-L577294)		Prepared: 10/04/2021 Analyzed: 10/04/2021								
Indeno(1,2,3-cd)pyrene	0.119	0.00029	mg/Kg	0.167		71.2	30-130			
Pyrene	0.119	0.00059	"	0.167		71.2	30-130			
Naphthalene	0.093	0.000467	"	0.167		55.6	30-130			
Fluorene	0.109	0.00029	"	0.167		65.2	30-130			
1-Methylnaphthalene	0.0975	0.00033	"	0.167		58.3	30-130			
2-Methylnaphthalene	0.098	0.00039	"	0.167		58.6	30-130			
Acenaphthene	0.103	0.0003	"	0.167		61.6	30-130			
Anthracene	0.111	0.00033	"	0.167		66.4	30-130			
Benzo(a)anthracene	0.118	0.00041	"	0.167		70.6	30-130			
Benzo(a)pyrene	0.108	0.00014	"	0.167		64.6	30-130			
Dibenz(a,h)anthracene	0.111	0.00036	"	0.167		66.4	30-130			
Fluoranthene	0.12	0.00039	"	0.167		71.8	30-130			
Benzo(b)fluoranthene	0.125	0.00021	"	0.167		74.8	30-130			
Benzo(k)fluoranthene	0.107	0.00013	"	0.167		64	30-130			

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Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D-SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577294 - 3550B**

**LCS (LCS-L577294)**

Prepared: 10/04/2021 Analyzed: 10/04/2021

Chrysene	0.115	0.00027	mg/Kg	0.167		68.8	30-130			
Surrogate: Nitrobenzene-d5	64.5		"	0.333		64.5	29-110			
Surrogate: 2-Fluorobiphenyl	75.6		"	0.333		75.6	33-115			
Surrogate: 4-Terphenyl-d14	78.9		"	0.333		78.9	33-122			

**LRB (LRB-L577294)**

Prepared: 10/04/2021 Analyzed: 10/04/2021

Benzo(k)fluoranthene	ND	0.00067	mg/Kg				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	78.6		"	0.333		78.6	33-122			
Surrogate: 2-Fluorobiphenyl	77.7		"	0.333		77.7	33-115			
Surrogate: Nitrobenzene-d5	66.6		"	0.333		66.6	29-110			

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Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**Total Metals by 6020 B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577297 - 3050B**

MSD (L 95065-MSD-L577297)		Source: 95065			Prepared: 10/04/2021 Analyzed: 10/05/2021					
Cadmium	0.449	0.0259	mg/Kg	0.463	<0.0259	97	75-125	1.7	80	
Zinc	29.3	0.534	"	23.1	7.36	95	75-125	4	80	
Silver	0.472	0.0067	"	0.463	<0.0067	102	75-125	0.8	80	
Selenium	4.27	0.103	"	4.63	0.129	92	75-125	0.4	80	
Nickel	3.91	0.0633	"	2.31	1.49	105	75-125	2.2	80	
Arsenic	3.32	0.0855	"	2.31	1.28	88	75-125	9.4	80	
Copper	3.88	0.0806	"	2.31	1.55	101	75-125	0.2	80	
Barium	45.9	0.042	"	4.63	43.2	58	75-125	13.7	80	*
Lead	4.48	0.031	"	2.31	2.62	80	75-125	29.8	80	

MS (L 95065-MS-L577297)		Source: 95065			Prepared: 10/04/2021 Analyzed: 10/05/2021					
Cadmium	0.457	0.0259	mg/Kg	0.474	<0.0259	96	75-125			
Zinc	30.5	0.534	"	23.7	7.36	98	75-125			
Silver	0.476	0.0067	"	0.474	<0.0067	100	75-125			
Selenium	4.25	0.103	"	4.74	0.129	90	75-125			
Nickel	4	0.0633	"	2.37	1.49	106	75-125			
Copper	3.89	0.0806	"	2.37	1.55	99	75-125			
Barium	56.6	0.171	"	4.74	43.2	283	75-125			*
Arsenic	3.02	0.0855	"	2.37	1.28	73	75-125			*
Lead	6.05	0.031	"	2.37	2.62	145	75-125			*

LCS (LCS-L577297)		Prepared: 10/04/2021 Analyzed: 10/05/2021								
Nickel	2.59	0.0633	mg/Kg	2.5		104	80-120			
Barium	4.91	0.042	"	5		98	80-120			
Cadmium	0.491	0.0259	"	0.5		98	80-120			
Lead	2.36	0.031	"	2.5		94	80-120			
Selenium	4.95	0.103	"	5		99	80-120			

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Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**Total Metals by 6020 B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577297 - 3050B**

**LCS (LCS-L577297)**

Prepared: 10/04/2021 Analyzed: 10/05/2021

Silver	0.515	0.0067	mg/Kg	0.5		103	80-120			
Zinc	23.5	0.534	"	25		94	80-120			
Arsenic	2.5	0.0855	"	2.5		100	80-120			
Copper	2.35	0.0806	"	2.5		94	80-120			

**LRB (LRB-L577297)**

Prepared: 10/04/2021 Analyzed: 10/05/2021

Zinc	ND	2.5	mg/Kg				-			
Arsenic	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Silver	ND	0.25	"				-			

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Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

### 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.

J Estimated Value. Analyte below reported quantitation limit.

\* QC Failure

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.



*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.*



October 11, 2021

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

Arvada

CO

80003

**Project Name - KMG - Dragoon CS**

**Project Number - TE014219024**

Attached are your analytical results for KMG - Dragoon CS received by Origins Laboratory, Inc. October 01, 2021. This project is associated with Origins project number Y110025-01.

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.  
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WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB15R2@42'	Y110025-01	Soil	October 1, 2021 9:30	10/01/2021 13:54
SB15R2@55'	Y110025-02	Soil	October 1, 2021 10:00	10/01/2021 13:54
SB14R2@26'	Y110025-03	Soil	October 1, 2021 11:25	10/01/2021 13:54
SB14R2@55.5'	Y110025-04	Soil	October 1, 2021 11:40	10/01/2021 13:54
SB03R2@24'	Y110025-05	Soil	October 1, 2021 11:55	10/01/2021 13:54
SB03R2@34'	Y110025-06	Soil	October 1, 2021 12:05	10/01/2021 13:54

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

*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.*

WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

110025

page 1 of 1

Client: WSP  
Address: 4600 W 60th Ave  
Arvada CO  
Telephone Number:                       
Email Address: KMG Group

Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: TE014219024  
Samples Collected By: D. Steinback

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #		
SB15R2 @ 42'	10/11/2021	930	2	X					X			1
SB15R2 @ 55'		1000	1									2
SB14R2 @ 26'		1125	1									3
SB14R2 @ 55.5'		1140	1									4
SB33R2 @ 24'		1155	1									5
SB33R2 @ 34'		1205	1									6
												7
												8
												9
												10

Relinquished By: [Signature] Date: 10/11/2021 Time: 1355  
Relinquished By: [Signature] Date:                      Time:                     

Received By: [Signature] Date: 10/21 Time: 13:54  
Received By:                      Date:                      Time:                     

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

Temp Received: 10.4 Date Results Needed:                     

Origins Laboratory, Inc.

*Jefe Pellegrini*

Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

Origins Laboratory

## Sample Receipt Checklist

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

Origins Work Order: Y110025

Client: WSP

Client Project ID: Dragoon CS

Checklist Completed by: JG

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

Date/time completed: 10/11/21

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 10.4 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		<u>Save Day</u>
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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (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 <sub>3</sub> , HCl, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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) JG

Date/Time Reviewed 10/11/21

Origins Laboratory, Inc.

*Jefe Pellegrini*

Jen Pellegrini For Noelle Doyle Mathis, President

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.

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@42'

10/1/2021 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.202	mg/L	1	B1J0434	10/04/2021	10/06/2021	U
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1J0123	10/01/2021	10/06/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	74.3 %	50-150	"	"	"
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	0.0900	0.0500	mg/kg	25	B1J0114	10/01/2021	10/06/2021	
1,3,5-Trimethylbenzene	0.00714	0.00200	"	1	"	"	10/07/2021	
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	5.58	5.00	"	25	"	"	10/06/2021	
Xylenes, total	ND	0.00200	"	1	"	"	10/07/2021	U

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130	"	"	"
Surrogate: Toluene-d8	89.8 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@42'

10/1/2021 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y110025-01 (Soil)

## GBTEX+TMBs

Surrogate: 4-Bromofluorobenzene	96.2 %	70-130	B1J01 14	10/01/2021	10/07/2021
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## Metals by Saturated Paste

Calcium	0.574	0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.38	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	0.0231	0.00033	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021	
2-Methylnaphthalene	0.0328	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	0.000938	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00041	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00032	0.00014	0.00067	"	"	"	"	"	J
Benzo(b)fluoranthene	0.000535	0.00021	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	0.0018	0.00027	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	0.000445	0.00039	0.00067	"	"	"	"	"	J
Fluorene	0.00707	0.00029	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@42'

10/1/2021 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y110025-01 (Soil)

## PAH by 8270D SIM

Naphthalene	0.00605	0.000467	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021	
Pyrene	0.00111	0.00059	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	74.3 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	74.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	60.6 %		29-110			"	"	"	

## pH in Soil by 9045D

pH	7.95			pH Units	1	B1J0409	10/04/2021	10/06/2021	
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## SAR by 20B Saturated Paste

SAR	2.14			SAR	1	B1J0426	10/04/2021	10/05/2021	
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.212		0.00500	mmhos/cm	1	B1J0415	10/04/2021	10/06/2021	
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## Total Metals by 6020B

Arsenic	1.21	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Barium	26.9	0.042	0.25	"	"	"	"	"	
Cadmium	0.0293	0.0259	0.25	"	"	"	"	"	J

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@42'

10/1/2021 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y110025-01 (Soil)

## Total Metals by 6020B

Copper	3.02	0.0806	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Lead	2.84	0.031	0.25	"	"	"	"	"	
Nickel	2.31	0.0633	0.25	"	"	"	"	"	
Selenium	0.172	0.103	0.25	"	"	"	"	"	J
Silver	ND	0.0067	0.25	"	"	"	"	"	
Zinc	10.6	0.534	2.5	"	"	"	"	"	

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.249	0.512	mg/Kg	1	L577730	10/01/2021	10/06/2021	
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@55'

10/1/2021 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.200	mg/L	1	B1J0434	10/04/2021	10/06/2021	U
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B1J0123	10/01/2021	10/06/2021	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	68.2 %	50-150	"	"	"
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	0.00316	0.00200	mg/kg	1	B1J0114	10/01/2021	10/06/2021	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	0.00238	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.731	0.200	"	"	"	"	"	
Xylenes, total	0.0112	0.00200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130	"	"	"
Surrogate: Toluene-d8	92.1 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@55'

10/1/2021 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-02 (Soil)**

**GBTEX+TMBs**

Surrogate: 4-Bromofluorobenzene	97.7 %	70-130	B1J01 14	10/01/2021	10/06/2021
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**Metals by Saturated Paste**

Calcium	ND	0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.42	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.00033	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021	
2-Methylnaphthalene	0.00063	0.00039	0.00067	"	"	"	"	"	J
Acenaphthene	ND	0.0003	0.00067	"	"	"	"	"	
Anthracene	ND	0.00033	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00041	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00014	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00021	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00013	0.00067	"	"	"	"	"	
Chrysene	ND	0.00027	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.00039	0.00067	"	"	"	"	"	
Fluorene	ND	0.00029	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@55'

10/1/2021 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y110025-02 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021
Naphthalene	ND	0.000467	0.00067	"	"	"	"	"
Pyrene	ND	0.00059	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	77.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	80.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	64.9 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.88	pH Units	1	B1J0409	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

SAR	3.87	SAR	1	B1J0426	10/04/2021	10/05/2021
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.208	0.00500	mmhos/cm	1	B1J0415	10/04/2021	10/06/2021
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**Total Metals by 6020B**

Arsenic	0.726	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021
Barium	26.5	0.042	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB15R2@55'

10/1/2021 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y110025-02 (Soil)

## Total Metals by 6020B

Cadmium	ND	0.0259	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Copper	1.32	0.0806	0.25	"	"	"	"	"	
Lead	1.25	0.031	0.25	"	"	"	"	"	
Nickel	1.25	0.0633	0.25	"	"	"	"	"	
Selenium	0.142	0.103	0.25	"	"	"	"	"	J
Silver	ND	0.0067	0.25	"	"	"	"	"	
Zinc	3.8	0.534	2.5	"	"	"	"	"	

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.249	0.512	mg/Kg	1	L577730	10/01/2021	10/06/2021	
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB14R2@26'

10/1/2021 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.452	0.197	mg/L	1	B1J0434	10/04/2021	10/06/2021
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	170	25.0	mg/kg	1	B1J0123	10/01/2021	10/06/2021
Residual Range Organics (C28-C40)	421	100	"	"	"	"	"

Surrogate: o-Terphenyl	49.1 %	50-150	"	"	"	S-04
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	8.41	0.0500	mg/kg	25	B1J0114	10/01/2021	10/06/2021
1,3,5-Trimethylbenzene	2.50	0.0500	"	"	"	"	"
Benzene	ND	0.0500	"	"	"	"	R-01, U
Ethylbenzene	1.39	0.0500	"	"	"	"	"
Toluene	ND	0.0500	"	"	"	"	R-01, U
Gasoline Range Hydrocarbons	323	5.00	"	"	"	"	"
Xylenes, total	11.5	0.0500	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	118 %	70-130	"	"	"
Surrogate: Toluene-d8	96.8 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	138 %	70-130	"	"	S-04

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB14R2@26'

10/1/2021 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-03 (Soil)**

**Metals by Saturated Paste**

Calcium	1.43		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	3.68		0.435	"	"	"	"	"	

**PAH by 8270D SIM**

1-Methylnaphthalene	0.642	0.00165	0.00335	mg/Kg	5	L577294	10/04/2021	10/04/2021	
2-Methylnaphthalene	1.08	0.00195	0.00335	"	"	"	"	"	
Acenaphthene	0.0183	0.0015	0.00335	"	"	"	"	"	
Anthracene	ND	0.00165	0.00335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00205	0.00335	"	"	"	"	"	
Benzo(a)pyrene	0.0015	0.0007	0.00335	"	"	"	"	"	J
Benzo(b)fluoranthene	0.00315	0.00105	0.00335	"	"	"	"	"	J
Benzo(k)fluoranthene	ND	0.00065	0.00335	"	"	"	"	"	
Chrysene	0.0207	0.00135	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0018	0.00335	"	"	"	"	"	
Fluoranthene	0.00346	0.00195	0.00335	"	"	"	"	"	
Fluorene	0.108	0.00145	0.00335	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00145	0.00335	"	"	"	"	"	
Naphthalene	0.655	0.00234	0.00335	"	"	"	"	"	
Pyrene	0.0112	0.00295	0.00335	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	97.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	98.2 %		33-122			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB14R2@26'

10/1/2021 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y110025-03 (Soil)

**PAH by 8270D SIM**

Surrogate: Nitrobenzene-d5	86.4 %	29-110	L5772 94	10/04/2021	10/04/2021
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**pH in Soil by 9045D**

pH	7.38	pH Units	1	B1J0409	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

SAR	3.56	SAR	1	B1J0426	10/04/2021	10/05/2021
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.550	0.00500	mmhos/cm	1	B1J0415	10/04/2021	10/06/2021
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**Total Metals by 6020B**

Arsenic	2.25	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Barium	82	0.171	1	"	20	"	"	"	
Cadmium	0.0667	0.0259	0.25	"	5	"	"	"	J
Copper	9.1	0.0806	0.25	"	"	"	"	"	
Lead	7.71	0.031	0.25	"	"	"	"	"	
Nickel	7.51	0.0633	0.25	"	"	"	"	"	
Selenium	0.243	0.103	0.25	"	"	"	"	"	J
Silver	0.0162	0.0067	0.25	"	"	"	"	"	J
Zinc	27.7	0.534	2.5	"	"	"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

SB14R2@26'

10/1/2021 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y110025-03 (Soil)

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.253	0.519	mg/Kg	1	L577730	10/01/2021	10/06/2021	
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**SB14R2@55.5'**  
**10/1/2021 11:40:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.199	mg/L	1	B1J0434	10/04/2021	10/06/2021	U
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	199	25.0	mg/kg	1	B1J0123	10/01/2021	10/06/2021
Residual Range Organics (C28-C40)	425	100	"	"	"	"	"

Surrogate: o-Terphenyl	55.5 %	50-150	"	"	"
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	19.9	0.500	mg/kg	250	B1J0114	10/01/2021	10/07/2021
1,3,5-Trimethylbenzene	5.14	0.0500	"	25	"	"	10/06/2021
Benzene	0.542	0.0500	"	"	"	"	"
Ethylbenzene	13.7	0.500	"	250	"	"	10/07/2021
Toluene	23.6	0.500	"	"	"	"	"
Gasoline Range Hydrocarbons	3910	50.0	"	"	"	"	"
Xylenes, total	82.5	0.500	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130	"	"	"
Surrogate: Toluene-d8	93.0 %	70-130	"	"	10/06/2021
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	10/07/2021

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB14R2@55.5'

10/1/2021 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-04 (Soil)**

**Metals by Saturated Paste**

Calcium	1.30	0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.535	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	0.846	0.00165	0.00335	mg/Kg	5	L577294	10/04/2021	10/04/2021
2-Methylnaphthalene	1.16	0.00195	0.00335	"	"	"	"	"
Acenaphthene	0.0215	0.0015	0.00335	"	"	"	"	"
Anthracene	0.00461	0.00165	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00205	0.00335	"	"	"	"	"
Benzo(a)pyrene	0.00303	0.0007	0.00335	"	"	"	"	J
Benzo(b)fluoranthene	0.0045	0.00105	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00065	0.00335	"	"	"	"	"
Chrysene	0.0235	0.00135	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	0.00247	0.0018	0.00335	"	"	"	"	J
Fluoranthene	0.00195	0.00195	0.00335	"	"	"	"	J
Fluorene	0.122	0.00145	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00145	0.00335	"	"	"	"	"
Naphthalene	0.98	0.00234	0.00335	"	"	"	"	"
Pyrene	0.0137	0.00295	0.00335	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	95.5 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	93.6 %		33-122			"	"	"

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB14R2@55.5'  
10/1/2021 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y110025-04 (Soil)**

**PAH by 8270D SIM**

Surrogate: Nitrobenzene-d5	82.7 %	29-110	L5772 94	10/04/2021	10/04/2021
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**pH in Soil by 9045D**

pH	7.19	pH Units	1	B1J0409	10/04/2021	10/06/2021
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**SAR by 20B Saturated Paste**

SAR	0.582	SAR	1	B1J0426	10/04/2021	10/05/2021
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.248	0.00500	mmhos/cm	1	B1J0415	10/04/2021	10/06/2021
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**Total Metals by 6020B**

Arsenic	1.21	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021
Barium	20.7	0.042	0.25	"	"	"	"	"
Cadmium	ND	0.0259	0.25	"	"	"	"	"
Copper	2.67	0.0806	0.25	"	"	"	"	"
Lead	2.59	0.031	0.25	"	"	"	"	"
Nickel	2.05	0.0633	0.25	"	"	"	"	"
Selenium	0.283	0.103	0.25	"	"	"	"	"
Silver	ND	0.0067	0.25	"	"	"	"	"
Zinc	8.78	0.534	2.5	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

SB14R2@55.5'

10/1/2021 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y110025-04 (Soil)

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.502	mg/Kg	1	L577730	10/01/2021	10/06/2021
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Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB03R2@24'

10/1/2021 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.199	mg/L	1	B1J0434	10/04/2021	10/06/2021	U
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	90.0	25.0	mg/kg	1	B1J0123	10/01/2021	10/06/2021
Residual Range Organics (C28-C40)	866	100	"	"	"	"	"

Surrogate: o-Terphenyl	52.4 %	50-150	"	"	"
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	2.00	0.0500	mg/kg	25	B1J0114	10/01/2021	10/06/2021
1,3,5-Trimethylbenzene	0.582	0.0500	"	"	"	"	"
Benzene	ND	0.0500	"	"	"	"	R-01, U
Ethylbenzene	0.750	0.0500	"	"	"	"	"
Toluene	0.423	0.0500	"	"	"	"	"
Gasoline Range Hydrocarbons	129	5.00	"	"	"	"	"
Xylenes, total	5.19	0.0500	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130	"	"	"
Surrogate: Toluene-d8	93.9 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB03R2@24'

10/1/2021 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-05 (Soil)**

**Metals by Saturated Paste**

Calcium	0.594		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	7.64		0.435	"	"	"	"	"	

**PAH by 8270D SIM**

1-Methylnaphthalene	0.0335	0.00165	0.00335	mg/Kg	5	L577294	10/04/2021	10/04/2021	
2-Methylnaphthalene	0.0555	0.00195	0.00335	"	"	"	"	"	
Acenaphthene	ND	0.0015	0.00335	"	"	"	"	"	
Anthracene	ND	0.00165	0.00335	"	"	"	"	"	
Benzo(a)anthracene	ND	0.00205	0.00335	"	"	"	"	"	
Benzo(a)pyrene	ND	0.0007	0.00335	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.00105	0.00335	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00065	0.00335	"	"	"	"	"	
Chrysene	ND	0.00135	0.00335	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.0018	0.00335	"	"	"	"	"	
Fluoranthene	ND	0.00195	0.00335	"	"	"	"	"	
Fluorene	0.00236	0.00145	0.00335	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.00145	0.00335	"	"	"	"	"	
Naphthalene	0.0682	0.00234	0.00335	"	"	"	"	"	
Pyrene	ND	0.00295	0.00335	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	84 %		33-115			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President



WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB03R2@24'

10/1/2021 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y110025-05 (Soil)

**PAH by 8270D SIM**

Surrogate: 4-Terphenyl-d14	91.2 %		33-122			L5772 94	10/04/2021	10/04/2021	
Surrogate: Nitrobenzene-d5	62.5 %		29-110			"	"	"	

**pH in Soil by 9045D**

pH	8.38			pH Units	1	B1J0409	10/04/2021	10/06/2021	
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**SAR by 20B Saturated Paste**

SAR	11.8			SAR	1	B1J0426	10/04/2021	10/05/2021	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.760		0.00500	mmhos/cm	1	B1J0415	10/04/2021	10/06/2021	
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**Total Metals by 6020B**

Arsenic	1.05	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Barium	73.7	0.171	1	"	20	"	"	"	
Cadmium	0.0267	0.0259	0.25	"	5	"	"	"	J
Copper	5.22	0.0806	0.25	"	"	"	"	"	
Lead	5.96	0.031	0.25	"	"	"	"	"	
Nickel	5.1	0.0633	0.25	"	"	"	"	"	
Selenium	0.433	0.103	0.25	"	"	"	"	"	
Silver	0.0201	0.0067	0.25	"	"	"	"	"	J

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

SB03R2@24'

10/1/2021 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y110025-05 (Soil)

### Total Metals by 6020B

Zinc	20.7	0.534	2.5	mg/Kg	5	L577297	10/04/2021	10/05/2021
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### Total Metals by 7196 A

Chromium, Hexavalent	ND	0.244	0.501	mg/Kg	1	L577995	10/01/2021	10/07/2021
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB03R2@34'

10/1/2021 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.202	mg/L	1	B1J0434	10/04/2021	10/06/2021	U
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	249	25.0	mg/kg	1	B1J0123	10/01/2021	10/06/2021
Residual Range Organics (C28-C40)	1440	100	"	"	"	"	"

Surrogate: o-Terphenyl	54.8 %	50-150	"	"	"
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**GBTEX+TMBs**

1,2,4-Trimethylbenzene	5.16	0.0500	mg/kg	25	B1J0114	10/01/2021	10/06/2021
1,3,5-Trimethylbenzene	1.40	0.0500	"	"	"	"	"
Benzene	ND	0.0500	"	"	"	"	R-01, U
Ethylbenzene	2.52	0.0500	"	"	"	"	"
Toluene	0.0640	0.0500	"	"	"	"	"
Gasoline Range Hydrocarbons	329	5.00	"	"	"	"	"
Xylenes, total	16.4	0.0500	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	123 %	70-130	"	"	"
Surrogate: Toluene-d8	89.1 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	121 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB03R2@34'

10/1/2021 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110025-06 (Soil)**

**Metals by Saturated Paste**

Calcium	1.19		0.499	meq/L	10	[CALC]	10/04/2021	10/05/2021	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	2.26		0.435	"	"	"	"	"	

**PAH by 8270D SIM**

1-Methylnaphthalene	0.393	0.00033	0.00067	mg/Kg	1	L577294	10/04/2021	10/04/2021	
2-Methylnaphthalene	0.446	0.00039	0.00067	"	"	"	"	"	
Acenaphthene	0.00513	0.0003	0.00067	"	"	"	"	"	
Anthracene	0.00107	0.00033	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.000765	0.00041	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.000802	0.00014	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.000271	0.00021	0.00067	"	"	"	"	"	J
Benzo(k)fluoranthene	0.000703	0.00013	0.00067	"	"	"	"	"	
Chrysene	0.00469	0.00027	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.00036	0.00067	"	"	"	"	"	
Fluoranthene	0.00196	0.00039	0.00067	"	"	"	"	"	
Fluorene	0.0255	0.00029	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00029	0.00067	"	"	"	"	"	
Naphthalene	0.464	0.000467	0.00067	"	"	"	"	"	
Pyrene	0.00309	0.00059	0.00067	"	"	"	"	"	

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB03R2@34'

10/1/2021 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y110025-06 (Soil)

## PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	90.9 %		33-115			L5772 94	10/04/2021	10/04/2021	
Surrogate: 4-Terphenyl-d14	61.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	64 %		29-110			"	"	"	

## pH in Soil by 9045D

pH	7.52			pH Units	1	B1J0409	10/04/2021	10/06/2021	
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## SAR by 20B Saturated Paste

SAR	2.41			SAR	1	B1J0426	10/04/2021	10/05/2021	
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.391		0.00500	mmhos/cm	1	B1J0415	10/04/2021	10/06/2021	
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## Total Metals by 6020B

Arsenic	1.06	0.0855	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	
Barium	27.2	0.042	0.25	"	"	"	"	"	
Cadmium	0.0378	0.0259	0.25	"	"	"	"	"	J
Copper	3.99	0.0806	0.25	"	"	"	"	"	
Lead	4.51	0.031	0.25	"	"	"	"	"	
Nickel	3.62	0.0633	0.25	"	"	"	"	"	
Selenium	0.24	0.103	0.25	"	"	"	"	"	J

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

SB03R2@34'

10/1/2021 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y110025-06 (Soil)

### Total Metals by 6020B

Silver	0.0107	0.0067	0.25	mg/Kg	5	L577297	10/04/2021	10/05/2021	J
Zinc	14.9	0.534	2.5	"	"	"	"	"	

### Total Metals by 7196A

Chromium, Hexavalent	ND	0.245	0.504	mg/Kg	1	L577730	10/01/2021	10/06/2021	
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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

**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 B1J0114 - EPA 5030 (soil)**

**Blank (B1J0114-BLK1)**

Prepared: 10/01/2021 Analyzed: 10/05/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							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	0.16		"	0.125	125		70-130			
Surrogate: Toluene-d8	0.10		"	0.125	81.3		70-130			
Surrogate: 4-Bromofluorobenzene	0.10		"	0.125	83.4		70-130			

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**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
<b>Batch B1J0114 - EPA 5030 (soil)</b>										
<b>LCS (B1J0114-BS1)</b>					Prepared: 10/01/2021 Analyzed: 10/05/2021					
1,2,4-Trimethylbenzene	0.0498	0.00200	mg/kg	0.0500		99.7	70-130			
Naphthalene	0.0489	0.0100	"	0.0500		97.7	70-130			
1,3,5-Trimethylbenzene	0.0498	0.00200	"	0.0500		99.5	70-130			
Benzene	0.0484	0.00200	"	0.0500		96.8	70-130			
Ethylbenzene	0.0472	0.00200	"	0.0500		94.4	70-130			
m,p-Xylene	0.0993	0.00400	"	0.100		99.3	70-130			
o-Xylene	0.0481	0.00200	"	0.0500		96.2	70-130			
Toluene	0.0490	0.00200	"	0.0500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		116	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.7	70-130			

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Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**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 B1J0114 - EPA 5030 (soil)**

Matrix Spike (B1J0114-MS1)		Source: Y110021-01			Prepared: 10/01/2021 Analyzed: 10/05/2021					
1,2,4-Trimethylbenzene	0.0315	0.00200	mg/kg	0.0400	ND	78.9	70-130			
Naphthalene	0.0314	0.0100	"	0.0400	0.000660	76.9	70-130			
1,3,5-Trimethylbenzene	0.0310	0.00200	"	0.0400	ND	77.5	70-130			
Benzene	0.0330	0.00200	"	0.0400	ND	82.5	70-130			
Ethylbenzene	0.0307	0.00200	"	0.0400	ND	76.7	70-130			
m,p-Xylene	0.0649	0.00400	"	0.0800	ND	81.1	70-130			
o-Xylene	0.0320	0.00200	"	0.0400	ND	80.0	70-130			
Toluene	0.0323	0.00200	"	0.0400	ND	80.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.6	70-130			

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**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
<b>Batch B1J0114 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B1J0114-MSD1)</b>		<b>Source: Y110021-01</b>			Prepared: 10/01/2021 Analyzed: 10/05/2021					
1,2,4-Trimethylbenzene	0.0404	0.00200	mg/kg	0.0400	ND	101	70-130	24.7	20	QR-03
Naphthalene	0.0340	0.0100	"	0.0400	0.000660	83.4	70-130	8.01	20	
1,3,5-Trimethylbenzene	0.0398	0.00200	"	0.0400	ND	99.4	70-130	24.8	20	QR-03
Benzene	0.0436	0.00200	"	0.0400	ND	109	70-130	27.8	20	QR-03
Ethylbenzene	0.0400	0.00200	"	0.0400	ND	100	70-130	26.4	20	QR-03
m,p-Xylene	0.0841	0.00400	"	0.0800	ND	105	70-130	25.9	20	QR-03
o-Xylene	0.0408	0.00200	"	0.0400	ND	102	70-130	24.2	20	QR-03
Toluene	0.0426	0.00200	"	0.0400	ND	106	70-130	27.4	20	QR-03
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.4	70-130			

Origins Laboratory, Inc.



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Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

## 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 B1J0123 - EPA 3550B

Blank (B1J0123-BLK1)

Prepared: 10/01/2021 Analyzed: 10/06/2021

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	16		"	25.0		65.2	50-150			

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4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

**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 B1J0123 - EPA 3550B

**LCS (B1J0123-BS1)**

Prepared: 10/01/2021 Analyzed: 10/06/2021

Diesel (C10-C28)	774	50.0	mg/kg	1000		77.4	70-130			
Residual Range Organics (C28-C40)	831	200	"	1000		83.1	70-130			
Surrogate: o-Terphenyl	34		"	50.0		67.6	50-150			

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

## 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 B1J0123 - EPA 3550B

Matrix Spike (B1J0123-MS1)		Source: Y110022-01			Prepared: 10/01/2021 Analyzed: 10/06/2021					
Diesel (C10-C28)	738	50.0	mg/kg	1000	ND	73.8	70-130			
Residual Range Organics (C28-C40)	829	200	"	1000	ND	82.9	70-130			
Surrogate: o-Terphenyl	31		"	50.0		61.2	50-150			

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

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 B1J0123 - EPA 3550B										
Matrix Spike Dup (B1J0123-MSD1)		Source: Y110022-01			Prepared: 10/01/2021 Analyzed: 10/06/2021					
Diesel (C10-C28)	707	50.0	mg/kg	1000	ND	70.7	70-130	4.31	35	
Residual Range Organics (C28-C40)	825	200	"	1000	ND	82.5	70-130	0.492	35	
Surrogate: o-Terphenyl	31		"	50.0		61.7	50-150			

Origins Laboratory, Inc.



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Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## 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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## 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 B1J0426 - Default Prep Metals

##### Blank (B1J0426-BLK1)

Prepared: 10/04/2021 Analyzed: 10/05/2021

SAR	0.00		SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

#### Batch B1J0434 - Default Prep Metals

##### Blank (B1J0434-BLK1)

Prepared: 10/04/2021 Analyzed: 10/06/2021

Boron	ND	0.200	mg/L							U
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Origins Laboratory, Inc.



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Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B1J0409 - NO PREP</b>										
<b>Duplicate (B1J0409-DUP1)</b>		<b>Source: Y110021-03</b>			Prepared: 10/04/2021 Analyzed: 10/06/2021					
pH	6.28		pH Units		6.63			5.42	25	
<b>Batch B1J0415 - NO PREP</b>										
<b>Blank (B1J0415-BLK1)</b>		Prepared: 10/04/2021 Analyzed: 10/06/2021								
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
<b>Duplicate (B1J0415-DUP1)</b>		<b>Source: Y110021-03</b>			Prepared: 10/04/2021 Analyzed: 10/06/2021					
Specific Conductance (EC)	0.474	0.00500	mmhos/cm		0.605			24.3	25	

Origins Laboratory, Inc.



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WSP USA  
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Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L577294 - 3550B

MSD (L 94734-MSD-L577294)		Source: 94734			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Fluorene	0.114	0.00029	mg/Kg	0.166	0.000367	68.6	30-130	0.8	30	
Pyrene	0.112	0.00059	"	0.166	<0.000590	67.4	30-130	2.6	30	
Naphthalene	0.102	0.000467	"	0.166	<0.000467	61.4	30-130	6.1	30	
Fluoranthene	0.117	0.00039	"	0.166	<0.000390	70.4	30-130	0.8	30	
Benzo(a)anthracene	0.12	0.00041	"	0.166	<0.000410	72.2	30-130	3.2	30	
1-Methylnaphthalene	0.108	0.00033	"	0.166	0.00133	64.2	30-130	2.8	30	
2-Methylnaphthalene	0.109	0.00039	"	0.166	0.00157	64.7	30-130	3.7	30	
Indeno(1,2,3-cd)pyrene	0.128	0.00029	"	0.166	<0.000290	77.1	30-130	0.7	30	
Anthracene	0.113	0.00033	"	0.166	0.000462	68	30-130	2.6	30	
Benzo(a)pyrene	0.111	0.00014	"	0.166	0.000487	66.8	30-130	0	30	
Benzo(b)fluoranthene	0.0868	0.00021	"	0.166	0.000567	52.2	30-130	13.1	30	
Benzo(k)fluoranthene	0.0913	0.00013	"	0.166	<0.000130	55	30-130	1.4	30	
Chrysene	0.116	0.00027	"	0.166	0.000812	69.3	30-130	2.6	30	
Dibenz(a,h)anthracene	0.121	0.00036	"	0.166	<0.000360	72.8	30-130	1.6	30	
Acenaphthene	0.112	0.0003	"	0.166	<0.000300	67.4	30-130	1.8	30	
Surrogate: Nitrobenzene-d5	64.4		"	0.332	192	64.4	29-110			
Surrogate: 2-Fluorobiphenyl	74		"	0.332	225	74	33-115			
Surrogate: 4-Terphenyl-d14	71		"	0.332	216	71	33-122			

MS (L 94734-MS-L577294)		Source: 94734			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Benzo(k)fluoranthene	0.09	0.00013	mg/Kg	0.166	<0.000130	54.2	30-130			
Benzo(b)fluoranthene	0.099	0.00021	"	0.166	0.000567	59.6	30-130			
Anthracene	0.116	0.00033	"	0.166	0.000462	69.8	30-130			
Benzo(a)pyrene	0.111	0.00014	"	0.166	0.000487	66.8	30-130			
Benzo(a)anthracene	0.124	0.00041	"	0.166	<0.000410	74.6	30-130			
Acenaphthene	0.11	0.0003	"	0.166	<0.000300	66.2	30-130			
2-Methylnaphthalene	0.105	0.00039	"	0.166	0.00157	62.3	30-130			

Origins Laboratory, Inc.



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Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577294 - 3550B**

MS (L 94734-MS-L577294)		Source: 94734			Prepared: 10/04/2021 Analyzed: 10/04/2021					
Naphthalene	0.0959	0.000467	mg/Kg	0.166	<0.000467	57.7	30-130			
1-Methylnaphthalene	0.105	0.00033	"	0.166	0.00133	62.4	30-130			
Chrysene	0.113	0.00027	"	0.166	0.000812	67.5	30-130			
Dibenz(a,h)anthracene	0.119	0.00036	"	0.166	<0.000360	71.6	30-130			
Fluoranthene	0.118	0.00039	"	0.166	<0.000390	71	30-130			
Indeno(1,2,3-cd)pyrene	0.129	0.00029	"	0.166	<0.000290	77.7	30-130			
Pyrene	0.115	0.00059	"	0.166	<0.000590	69.2	30-130			
Fluorene	0.115	0.00029	"	0.166	0.000367	69.2	30-130			
Surrogate: 2-Fluorobiphenyl	74		"	0.331	225	74	33-115			
Surrogate: 4-Terphenyl-d14	72.8		"	0.331	216	72.8	33-122			
Surrogate: Nitrobenzene-d5	64		"	0.331	192	64	29-110			

LCS (LCS-L577294)		Prepared: 10/04/2021 Analyzed: 10/04/2021								
2-Methylnaphthalene	0.098	0.00039	mg/Kg	0.167		58.6	30-130			
Acenaphthene	0.103	0.0003	"	0.167		61.6	30-130			
Anthracene	0.111	0.00033	"	0.167		66.4	30-130			
Benzo(a)anthracene	0.118	0.00041	"	0.167		70.6	30-130			
Benzo(a)pyrene	0.108	0.00014	"	0.167		64.6	30-130			
Benzo(b)fluoranthene	0.125	0.00021	"	0.167		74.8	30-130			
Benzo(k)fluoranthene	0.107	0.00013	"	0.167		64	30-130			
1-Methylnaphthalene	0.0975	0.00033	"	0.167		58.3	30-130			
Fluoranthene	0.12	0.00039	"	0.167		71.8	30-130			
Dibenz(a,h)anthracene	0.111	0.00036	"	0.167		66.4	30-130			
Indeno(1,2,3-cd)pyrene	0.119	0.00029	"	0.167		71.2	30-130			
Naphthalene	0.093	0.000467	"	0.167		55.6	30-130			
Pyrene	0.119	0.00059	"	0.167		71.2	30-130			
Chrysene	0.115	0.00027	"	0.167		68.8	30-130			

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577294 - 3550B**

**LCS (LCS-L577294)**

Prepared: 10/04/2021 Analyzed: 10/04/2021

Fluorene	0.109	0.00029	mg/Kg	0.167		65.2	30-130			
Surrogate: 2-Fluorobiphenyl	75.6		"	0.333		75.6	33-115			
Surrogate: 4-Terphenyl-d14	78.9		"	0.333		78.9	33-122			
Surrogate: Nitrobenzene-d5	64.5		"	0.333		64.5	29-110			

**LRB (LRB-L577294)**

Prepared: 10/04/2021 Analyzed: 10/04/2021

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	78.6		"	0.333		78.6	33-122			
Surrogate: Nitrobenzene-d5	66.6		"	0.333		66.6	29-110			
Surrogate: 2-Fluorobiphenyl	77.7		"	0.333		77.7	33-115			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**Total Metals by 6020B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577297 - 3050B**

<b>MSD (L 95065-MSD-L577297)</b>		<b>Source: 95065</b>			Prepared: 10/04/2021 Analyzed: 10/05/2021					
Cadmium	0.449	0.0259	mg/Kg	0.463	<0.0259	97	75-125	1.7	80	
Copper	3.88	0.0806	"	2.31	1.55	101	75-125	0.2	80	
Lead	4.48	0.031	"	2.31	2.62	80	75-125	29.8	80	
Nickel	3.91	0.0633	"	2.31	1.49	105	75-125	2.2	80	
Selenium	4.27	0.103	"	4.63	0.129	92	75-125	0.4	80	
Silver	0.472	0.0067	"	0.463	<0.0067	102	75-125	0.8	80	
Zinc	29.3	0.534	"	23.1	7.36	95	75-125	4	80	
Barium	45.9	0.042	"	4.63	43.2	58	75-125	13.7	80	*
Arsenic	3.32	0.0855	"	2.31	1.28	88	75-125	9.4	80	
<b>MS (L 95065-MS-L577297)</b>		<b>Source: 95065</b>			Prepared: 10/04/2021 Analyzed: 10/05/2021					
Arsenic	3.02	0.0855	mg/Kg	2.37	1.28	73	75-125			*
Silver	0.476	0.0067	"	0.474	<0.0067	100	75-125			
Zinc	30.5	0.534	"	23.7	7.36	98	75-125			
Nickel	4	0.0633	"	2.37	1.49	106	75-125			
Lead	6.05	0.031	"	2.37	2.62	145	75-125			*
Copper	3.89	0.0806	"	2.37	1.55	99	75-125			
Cadmium	0.457	0.0259	"	0.474	<0.0259	96	75-125			
Selenium	4.25	0.103	"	4.74	0.129	90	75-125			
Barium	56.6	0.171	"	4.74	43.2	283	75-125			*
<b>LCS (LCS-L577297)</b>		Prepared: 10/04/2021 Analyzed: 10/05/2021								
Nickel	2.59	0.0633	mg/Kg	2.5		104	80-120			
Zinc	23.5	0.534	"	25		94	80-120			
Selenium	4.95	0.103	"	5		99	80-120			
Lead	2.36	0.031	"	2.5		94	80-120			
Copper	2.35	0.0806	"	2.5		94	80-120			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**Total Metals by 6020B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577297 - 3050B**

**LCS (LCS-L577297)**

Prepared: 10/04/2021 Analyzed: 10/05/2021

Cadmium	0.491	0.0259	mg/Kg	0.5		98	80-120			
Barium	4.91	0.042	"	5		98	80-120			
Arsenic	2.5	0.0855	"	2.5		100	80-120			
Silver	0.515	0.0067	"	0.5		103	80-120			

**LRB (LRB-L577297)**

Prepared: 10/04/2021 Analyzed: 10/05/2021

Zinc	ND	2.5	mg/Kg				-			
Copper	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Silver	ND	0.25	"				-			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L577995 -</b>										
<b>DUP (L 95059-DUP)</b>		<b>Source: Y110025-05</b>			Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	ND	0.244	mg/Kg		<0.501		-	0	20	
<b>MS (L 95059-MS)</b>		<b>Source: Y110025-05</b>			Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	0.817	0.244	mg/Kg	7.93	<0.244	10	75-125			*
<b>LCS (LCS)</b>					Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	6.73	0.244	mg/Kg	8		84	75-125			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L577730 -**

<b>DUP (L 96755-DUP)</b>		<b>Source: 96755</b>			Prepared: Analyzed: 10/06/2021					
Chromium, Hexavalent	ND	0.244	mg/Kg		<0.501		-	0	20	
<b>MS (L 96755-MS)</b>		<b>Source: 96755</b>			Prepared: Analyzed: 10/06/2021					
Chromium, Hexavalent	6.75	0.247	mg/Kg	8.13	<0.247	83	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 10/06/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

Origins Laboratory, Inc.



Jen Pellegrini For Noelle Doyle Mathis, President

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

## Notes and Definitions

U Sample is Non-Detect.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

R-01 The Reporting Limit for this analyte has been raised to account for matrix interference.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

J Estimated Value. Analyte below reported quantitation limit.

\* QC Failure

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 Noelle Doyle Mathis, President

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October 11, 2021

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

Arvada

CO

80003

**Project Name - KMG - Dragoon CS**

**Project Number - TE014219024**

Attached are your analytical results for KMG - Dragoon CS received by Origins Laboratory, Inc. October 04, 2021. This project is associated with Origins project number Y110054-01.

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

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB20@25'	Y110054-01	Soil	October 4, 2021 9:00	10/04/2021 14:10
SB20@45'	Y110054-02	Soil	October 4, 2021 9:55	10/04/2021 14:10
SB21@25'	Y110054-03	Soil	October 4, 2021 11:05	10/04/2021 14:10
SB21@45'	Y110054-04	Soil	October 4, 2021 12:30	10/04/2021 14:10

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

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1110054

page 1 of 1

**ORIGINS**  
LABORATORY, INC

Client: WSP, USA  
Address: 4600 W 60th Ave  
Arvada, CO  
Telephone Number: ---  
Email Address: kmb@wsp

Project Manager: Brian Sulzberger  
Project Name: Dragoon Compressor Station  
Project Number: TE014219024  
Samples Collected By: D. Steinbock

Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis		Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Groundwater	Soil	Air Summa Canister #	Other	915 Metals	
S820 @ 25'	10/14/2021	0800	2	X				X		X	X	1
S820 @ 45'		0955	1									2
S821 @ 25'		1105	1									3
S821 @ 45'		1230	1									4
												5
												6
												7
												8
												9
												10

Relinquished By: [Signature] Date: 10/14/2021 Time: 1410  
Relinquished By: [Signature] Date: 10/14/2021 Time: 1410

Received By: AH Date: 10-14-21 Time: 1410  
Received By: [Signature] Date: 10-14-21 Time: 1410

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

Temp Received: 15.7 Date Results Needed

Origins Laboratory, Inc.

*[Signature]*

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WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: 41100521

Client: WSP

Client Project ID: 8<sup>kt</sup> DRAGON CS

Checklist Completed by: KH

Shipped Via: 4D

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

Date/time completed: 10-4-21

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1 / 15.7 °C 1 °C 1 °C (Describe) °C

Thermometer ID: T00

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		same day
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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<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 <sup>(1)</sup> ? (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 <sub>3</sub> ; HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>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) jm

10-5-21  
Date/Time Reviewed

Origins Laboratory, Inc.

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**SB20@25'**

**10/4/2021 9:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110054-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.198	mg/kg	1	B1J0505	10/05/2021	10/06/2021
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**Metals by Saturated Paste**

Calcium	0.719	0.499	meq/L	10	[CALC]	10/06/2021	10/07/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.17	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.03		pH Units	1	B1J0620	10/06/2021	10/07/2021
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**SAR by 20B Saturated Paste**

SAR	3.07		SAR	1	B1J0619	10/06/2021	10/07/2021
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.340	0.00500	mmhos/cm	1	B1J0629	10/06/2021	10/07/2021
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**Total Metals by 6020B**

Arsenic	1.26	0.0855	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021
Barium	28.2	0.042	0.25	"	"	"	"	"
Cadmium	ND	0.0259	0.25	"	"	"	"	"
Copper	4.6	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**SB20@25'****10/4/2021 9:00:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y110054-01 (Soil)****Total Metals by 6020B**

Lead	4.32	0.031	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021	
Nickel	2.9	0.0633	0.25	"	"	"	"	"	
Selenium	0.225	0.103	0.25	"	"	"	"	"	J
Silver	0.0131	0.0067	0.25	"	"	"	"	"	J
Zinc	13.2	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577996	10/04/2021	10/07/2021	
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## SB20@45'

10/4/2021 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y110054-02 (Soil)

### Boron (DTPA Sorbitol)

Boron	ND	0.201	mg/kg	1	B1J0505	10/05/2021	10/06/2021
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### Metals by Saturated Paste

Calcium	0.798	0.499	meq/L	10	[CALC]	10/06/2021	10/07/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.37	0.435	"	"	"	"	"

### pH in Soil by 9045D

pH	7.97		pH Units	1	B1J0620	10/06/2021	10/07/2021
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### SAR by 20B Saturated Paste

SAR	1.87		SAR	1	B1J0619	10/06/2021	10/07/2021
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.294	0.00500	mmhos/cm	1	B1J0629	10/06/2021	10/07/2021
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### Total Metals by 6020B

Arsenic	1.53	0.0855	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021
Barium	29.8	0.042	0.25	"	"	"	"	"
Cadmium	0.0539	0.0259	0.25	"	"	"	"	"
Copper	3.21	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

**SB20@45'****10/4/2021 9:55:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y110054-02 (Soil)****Total Metals by 6020B**

Lead	3.6	0.031	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021	
Nickel	2.59	0.0633	0.25	"	"	"	"	"	
Selenium	0.199	0.103	0.25	"	"	"	"	"	J
Silver	0.0085	0.0067	0.25	"	"	"	"	"	J
Zinc	10.8	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.251	0.516	mg/Kg	1	L577996	10/04/2021	10/07/2021	
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Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB21@25'

10/4/2021 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110054-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.198	mg/kg	1	B1J0505	10/05/2021	10/06/2021
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**Metals by Saturated Paste**

Calcium	1.63	0.499	meq/L	10	[CALC]	10/06/2021	10/07/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.45	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	7.91		pH Units	1	B1J0620	10/06/2021	10/07/2021
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**SAR by 20B Saturated Paste**

SAR	1.41		SAR	1	B1J0619	10/06/2021	10/07/2021
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.421	0.00500	mmhos/cm	1	B1J0629	10/06/2021	10/07/2021
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**Total Metals by 6020B**

Arsenic	0.898	0.0855	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021
Barium	15.8	0.042	0.25	"	"	"	"	"
Cadmium	ND	0.0259	0.25	"	"	"	"	"
Copper	2.05	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB21@25'

10/4/2021 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y110054-03 (Soil)**

**Total Metals by 6020B**

Lead	2.27	0.031	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021	
Nickel	1.68	0.0633	0.25	"	"	"	"	"	
Selenium	0.106	0.103	0.25	"	"	"	"	"	J
Silver	0.0082	0.0067	0.25	"	"	"	"	"	J
Zinc	7.69	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577996	10/04/2021	10/07/2021	
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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB21@45'

10/4/2021 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y110054-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	ND	0.199	mg/kg	1	B1J0505	10/05/2021	10/06/2021
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**Metals by Saturated Paste**

Calcium	1.07	0.499	meq/L	10	[CALC]	10/06/2021	10/07/2021
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.17	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.31		pH Units	1	B1J0620	10/06/2021	10/07/2021
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**SAR by 20B Saturated Paste**

SAR	1.41		SAR	1	B1J0619	10/06/2021	10/07/2021
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.306	0.00500	mmhos/cm	1	B1J0629	10/06/2021	10/07/2021
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**Total Metals by 6020B**

Arsenic	1	0.0855	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021
Barium	17.3	0.042	0.25	"	"	"	"	"
Cadmium	ND	0.0259	0.25	"	"	"	"	"
Copper	2.63	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

SB21@45'

10/4/2021 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y110054-04 (Soil)**

**Total Metals by 6020B**

Lead	3.03	0.031	0.25	mg/Kg	5	L577549	10/05/2021	10/06/2021	
Nickel	1.75	0.0633	0.25	"	"	"	"	"	
Selenium	0.176	0.103	0.25	"	"	"	"	"	J
Silver	0.0079	0.0067	0.25	"	"	"	"	"	J
Zinc	9.16	0.534	2.5	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L577996	10/04/2021	10/07/2021	
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Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B1J0620 - NO PREP</b>										
<b>Duplicate (B1J0620-DUP1)</b>		<b>Source: Y109697-07</b>			Prepared: 10/06/2021 Analyzed: 10/07/2021					
pH	8.29		pH Units		8.40			1.32	25	
<b>Batch B1J0629 - NO PREP</b>										
<b>Blank (B1J0629-BLK1)</b>		Prepared: 10/06/2021 Analyzed: 10/07/2021								
Specific Conductance (EC)	0.00150	0.00500	mmhos/cm							
<b>Duplicate (B1J0629-DUP1)</b>		<b>Source: Y109697-07</b>			Prepared: 10/06/2021 Analyzed: 10/07/2021					
Specific Conductance (EC)	0.265	0.00500	mmhos/cm		0.249			6.07	25	

Origins Laboratory, Inc.



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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L577549 - 3050B</b>										
<b>MSD (L 96823-MSD-L577549)</b>			<b>Source: 96823</b>		Prepared: 10/05/2021 Analyzed: 10/06/2021					
Selenium	4.39	0.103	mg/Kg dry	4.8	<0.103	91	75-125	4.4	80	
Arsenic	2.35	0.0855	"	2.4	0.189	98	75-125	1.6	80	
Silver	0.482	0.0067	"	0.48	0.0231	100	75-125	0.8	80	
Nickel	2.54	0.0633	"	2.4	0.162	106	75-125	2.7	80	
Lead	2.39	0.031	"	2.4	0.223	100	75-125	0.8	80	
Copper	5.16	0.0806	"	2.4	2.41	115	75-125	36.4	80	
Cadmium	0.463	0.0259	"	0.48	<0.0259	96	75-125	4.6	80	
Barium	43.9	0.042	"	4.8	33.8	210	75-125	65.6	80	*
Zinc	35.2	0.534	"	24	10.1	105	75-125	21.7	80	
<b>MS (L 96823-MS-L577549)</b>			<b>Source: 96823</b>		Prepared: 10/05/2021 Analyzed: 10/06/2021					
Zinc	28.3	0.534	mg/Kg dry	24	10.1	76	75-125			
Arsenic	2.39	0.0855	"	2.4	0.189	99	75-125			
Barium	22.2	0.042	"	4.81	33.8	NR	75-125			*
Cadmium	0.442	0.0259	"	0.481	<0.0259	92	75-125			
Copper	3.57	0.0806	"	2.4	2.41	48	75-125			*
Lead	2.41	0.031	"	2.4	0.223	100	75-125			
Nickel	2.47	0.0633	"	2.4	0.162	103	75-125			
Selenium	4.59	0.103	"	4.81	<0.103	95	75-125			
Silver	0.486	0.0067	"	0.481	0.0231	101	75-125			
<b>LCS (LCS-L577549)</b>			Prepared: 10/05/2021 Analyzed: 10/06/2021							
Cadmium	0.478	0.0259	mg/Kg	0.5		96	80-120			
Copper	2.45	0.0806	"	2.5		98	80-120			
Lead	2.39	0.031	"	2.5		96	80-120			
Nickel	2.2	0.0633	"	2.5		88	80-120			
Selenium	4.6	0.103	"	5		92	80-120			

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Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## Total Metals by 6020B - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch L577549 - 3050B

#### LCS (LCS-L577549)

Prepared: 10/05/2021 Analyzed: 10/06/2021

Silver	0.49	0.0067	mg/Kg	0.5		98	80-120			
Zinc	24.1	0.534	"	25		96	80-120			
Barium	4.89	0.042	"	5		98	80-120			
Arsenic	2.32	0.0855	"	2.5		93	80-120			

#### LRB (LRB-L577549)

Prepared: 10/05/2021 Analyzed: 10/06/2021

Barium	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Silver	ND	0.25	"				-			
Selenium	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Copper	ND	0.25	"				-			

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WSP USA  
4600 W. 60th Ave.  
Arvada CO 80003

Brian Sulzberger  
Project Number: TE014219024  
Project: KMG - Dragoon CS

## 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
<b>Batch L577996 -</b>										
<b>DUP (L 97356-DUP)</b>	<b>Source: 97356</b>				Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	ND	0.488	mg/Kg		<1.00	-		0	20	
<b>MS (L 97356-MS)</b>	<b>Source: 97356</b>				Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	5.1	1.22	mg/Kg	7.81	< 0.492	65	75-125			*
<b>LCS (LCS)</b>					Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	6.16	0.244	mg/Kg	8		77	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 10/07/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: TE014219024

Project: KMG - Dragoon CS

### Notes and Definitions

J Estimated Value. Analyte below reported quantitation limit.

\* QC Failure

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.



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