

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
ABOVEGROUND STORAGE TANK SAMPLES								
AST-LOADOUT	7/17/2024	NA	0.6	NS	NO	40.119151	-104.770265	N
AST-FOOTPRINT	7/17/2024	NA	0.1	NS	NO	40.119137	-104.770261	N
AST01@0.5'	7/17/2024	0.5	2.1	NS	NO	40.119122	-104.770258	Y
PRODUCED WATER VESSEL SAMPLES								
PWV-NWALL	7/17/2024	NA	2.7	NS	NO	40.119168	-104.7702	N
PWV-EWALL	7/17/2024	NA	2.5	NS	NO	40.119153	-104.770167	N
PWV-S01@2'	7/17/2024	2	14.1	NS	NO	40.119132	-104.770189	Y
PWV-WWALL	7/17/2024	NA	3.6	NS	NO	40.119144	-104.770213	N
PWV-B01@4'	7/17/2024	4	8.6	NS	NO	40.119151	-104.770189	Y
SEPARATOR SAMPLES								
SEP01-INLET@4'	7/17/2024	4	0.9	NS	NO	40.119087	-104.770456	Y
SEP01-INLET@4'-V	7/17/2024	4	0.9	NS	NO	40.119087	-104.770456	Y
SEP01-OUTLET@4'	7/17/2024	4	1.7	NS	NO	40.119101	-104.770424	Y
SEP01-OUTLET@4'-V	7/17/2024	4	1.7	NS	NO	40.119101	-104.770424	Y
SEP01-RISER@4'	7/17/2024	4	0.0	NS	NO	40.119086	-104.770449	Y
SEP01-RISER@4'-V	7/17/2024	4	0.0	NS	NO	40.119086	-104.770449	Y
SEP01IN-N01@3'	8/29/2024	3	3.3	NS	NO	40.119089	-104.770467	Y
SEP01IN-E01@3'	8/29/2024	3	2.3	NS	NO	40.119077	-104.770447	Y
SEP01IN-S01@3'	8/29/2024	3	4.6	NS	NO	40.119066	-104.770462	Y
SEP01IN-W01@3'	8/29/2024	3	3.6	NS	NO	40.119077	-104.770482	Y
SEP01IN-B01@6'	8/29/2024	6	13.2	NS	NO	40.119078	-104.770464	Y
SEP01OUT-N01@3'	8/29/2024	3	2.7	NS	NO	40.119105	-104.770422	Y
SEP01OUT-E01@3'	8/29/2024	3	2.6	NS	NO	40.11909	-104.770398	Y
SEP01OUT-S01@3'	8/29/2024	3	2.0	NS	NO	40.119072	-104.770413	Y
SEP01OUT-W01@3'	8/29/2024	3	1.2	NS	NO	40.119086	-104.770438	Y
SEP01OUT-B01@6'	8/29/2024	6	3.0	NS	NO	40.119088	-104.770417	Y
WELLHEAD EXCAVATION SAMPLES								
N Wall	7/12/2024	2.5	0.1	NS	NO	40.119203	-104.769336	N
E Wall	7/12/2024	2.5	0.0	NS	NO	40.11919	-104.769313	N
S Wall	7/12/2024	2.5	0.7	NS	NO	40.119183	-104.769335	N
W Wall	7/12/2024	2.5	0.5	NS	NO	40.119193	-104.769354	N
WH01-RISER@2.5'	7/12/2024	2.5	0.5	NS	NO	40.119189	-104.769343	Y
WH01-RISER@2.5'-V	7/12/2024	2.5	0.5	NS	NO	40.119189	-104.769343	Y
B01@5'	7/12/2024	5	0.9	NS	NO	40.119196	-104.769326	Y
B01@5'-V	7/12/2024	5	0.9	NS	NO	40.119196	-104.769326	Y
FS01	7/12/2024	0.5	1.0	NS	NO	40.11925	-104.769332	N

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
FS02	7/12/2024	0.5	0.0	NS	NO	40.119175	-104.769308	N
FS03	7/12/2024	0.5	0.0	NS	NO	40.119131	-104.769375	N
FS04	7/12/2024	0.5	0.0	NS	NO	40.119228	-104.769413	N
FLOWLINE POTHOLE SAMPLES								
PH01	7/12/2024	4	1.7	NS	NO	40.119186	-104.769506	N
DUMPLINE SAMPLES								
DL2	7/17/2024	NA	0.0	NS	NO	40.119107	-104.770338	N
DL01@4'	7/17/2024	4	790.1	Stain	Odor	40.11917	-104.770249	Y
DL01@4'-V	7/17/2024	4	790.1	NS	NO	40.11917	-104.770249	Y
DL01-N01@3'	8/29/2024	3	1.3	NS	NO	40.119174	-104.770265	Y
DL01-E01@3'	8/29/2024	3	1.6	NS	NO	40.119168	-104.770245	Y
DL01-S01@3'	8/29/2024	3	2.7	NS	NO	40.119152	-104.770253	Y
DL01-W01@3'	8/29/2024	3	2.1	NS	NO	40.119159	-104.770276	Y
DL01-B01@6'	8/29/2024	6	2.3	NS	NO	40.119164	-104.77026	Y
MISCELLANEOUS SAMPLES								
ECD	7/17/2024	NA	0.0	NS	NO	40.119083	-104.770607	N
METERHOUSE	7/17/2024	NA	0.5	NS	NO	40.119106	-104.770475	N
GAS SCRUBBER	7/17/2024	NA	0.1	NS	NO	40.119115	-104.770477	N
BACKGROUND SOIL SAMPLES								
TB-BG01@0.5'	7/17/2024	0.5	0.0	NS	NO	40.119179	-104.770287	Y
NATIVE-BG01@2.5'	7/12/2024	2.5	0.1	NS	NO	40.119048	-104.769458	Y
NATIVE-BG01@5'	7/12/2024	5	2.0	NS	NO	40.119048	-104.769458	Y
NATIVE-BG02@2.5'	7/12/2024	2.5	2.6	NS	NO	40.119275	-104.769543	Y
NATIVE-BG02@5'	7/12/2024	5	1.2	NS	NO	40.119275	-104.769543	Y
NATIVE-BG03@2.5'	7/12/2024	2.5	1.0	NS	NO	40.11929	-104.769384	Y
NATIVE-BG03@5'	7/12/2024	5	0.6	NS	NO	40.11929	-104.769384	Y
NATIVE-BG04@2.5'	7/15/2024	2.5	NA	NA	NA	40.119093	-104.769629	Y
NATIVE-BG04@5'	7/15/2024	5	NA	NA	NA	40.119093	-104.769629	Y
NATIVE-BG05@2.5'	7/15/2024	2.5	NA	NA	NA	40.119212	-104.769685	Y
NATIVE-BG05@5'	7/15/2024	5	NA	NA	NA	40.119212	-104.769685	Y
NATIVE-BG06@2.5'	7/17/2024	2.5	0.2	NS	NO	40.119241	-104.769815	Y
NATIVE-BG06@5'	7/17/2024	5	0.2	NS	NO	40.119241	-104.769815	Y
NATIVE-BG07@2.5'	7/17/2024	2.5	0.0	NS	NO	40.118978	-104.770112	Y
NATIVE-BG07@5'	7/17/2024	5	0.0	NS	NO	40.118978	-104.770112	Y
NATIVE-BG08@2.5'	7/17/2024	2.5	0.0	NS	NO	40.11892	-104.770339	Y
NATIVE-BG08@5'	7/17/2024	5	0.0	NS	NO	40.11892	-104.770339	Y
NATIVE-BG09@2.5'	7/17/2024	2.5	0.0	NS	NO	40.11893	-104.770497	Y

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
NATIVE-BG09@5'	7/17/2024	5	0.0	NS	NO	40.11893	-104.770497	Y

Notes:

ft. - feet
 bgs - below ground surface
 PID - Photoionization detector
 ppm - parts per million

NS - No Staining
 NO - No Odor
 NA - Not Analyzed/Not Applicable

**TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP**

Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO* (mg/kg)	TPH-DRO* (mg/kg)	TPH-RRO* (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4-Trimethyl benzene (mg/kg)	1,3,5-Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			500			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
ABOVEGROUND STORAGE TANK SAMPLES												
AST01@0.5'	7/17/2024	0.5	0.528	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	0.00280	0.00246	<0.002
PRODUCED WATER VESSEL SAMPLES												
PWV-S01@2'	7/17/2024	2	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
PWV-B01@4'	7/17/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SEPARATOR SAMPLES												
SEP01-INLET@4'	7/17/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SEP01-INLET@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01-OUTLET@4'	7/17/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SEP01-OUTLET@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01-RISER@4'	7/17/2024	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
SEP01-RISER@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01IN-N01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01IN-E01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01IN-S01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01IN-W01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01IN-B01@6'	8/29/2024	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01OUT-N01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01OUT-E01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01OUT-S01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01OUT-W01@3'	8/29/2024	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
SEP01OUT-B01@6'	8/29/2024	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.002
WELLHEAD EXCAVATION SAMPLES												
WH01-RISER@2.5'	7/12/2024	2.5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
WH01-RISER@2.5'-V	7/12/2024	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B01@5'	7/12/2024	5	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
B01@5'-V	7/12/2024	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS SAMPLES												
DL01@4'	7/17/2024	4	48.4	66.8	<100	0.0657	0.0295	0.103	0.866	0.312	0.124	0.114
DL01@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL01-N01@3'	8/29/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
DL01-E01@3'	8/29/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
DL01-S01@3'	8/29/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
DL01-W01@3'	8/29/2024	3	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
DL01-B01@6'	8/29/2024	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002

TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Notes:

ECMC - Energy and Carbon Management Commission

PGSSLs - Protection of Groundwater Soil Screening Level Concentrations

TPH - total petroleum hydrocarbons

GRO - gasoline range organics

DRO - diesel range organics

RRO - residual range organics

*Allowable level for TPH is 500 mg/kg for combined GRO, DRO, ORO

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

TABLE 2-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) anthracene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (k) fluoranthene (mg/kg)	Benzo (a) pyrene (mg/kg)	Chrysene (mg/kg)	Dibenz (a,h) anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	1-Methyl naphthalene (mg/kg)	2-Methyl naphthalene (mg/kg)	Pyrene (mg/kg)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
ABOVEGROUND STORAGE TANK SAMPLES																
AST01@0.5'	7/17/2024	0.5	<0.020	<0.020	0.007	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.003	0.005	<0.020
PRODUCED WATER VESSEL SAMPLES																
PWV-S01@2'	7/17/2024	2	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
PWV-B01@4'	7/17/2024	4	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEPARATOR SAMPLES																
SEP01-INLET@4'	7/17/2024	4	<0.020	<0.020	0.035	0.039	<0.020	0.041	0.032	<0.020	0.047	<0.020	0.028	<0.002	<0.002	0.043
SEP01-INLET@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01-OUTLET@4'	7/17/2024	4	<0.020	<0.020	0.044	0.035	<0.020	0.033	0.037	<0.020	0.083	<0.020	0.021	<0.002	<0.002	0.070
SEP01-OUTLET@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01-RISER@4'	7/17/2024	4	<0.020	<0.020	0.033	0.035	<0.020	0.036	0.031	<0.020	0.044	<0.020	0.026	<0.002	<0.002	0.041
SEP01-RISER@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01IN-N01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01IN-E01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01IN-S01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01IN-W01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01IN-B01@6'	8/29/2024	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01OUT-N01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01OUT-E01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01OUT-S01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01OUT-W01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
SEP01OUT-B01@6'	8/29/2024	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
WELLHEAD EXCAVATION SAMPLES																
WH01-RISER@2.5'	7/12/2024	2.5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
WH01-RISER@2.5'-V	7/12/2024	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B01@5'	7/12/2024	5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
B01@5'-V	7/12/2024	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS SAMPLES																
DL01@4'	7/17/2024	4	<0.200	0.307	2.41	1.85	0.824	1.73	2.04	0.275	3.92	<0.200	1.02	0.199	0.511	2.83
DL01@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL01-N01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
DL01-E01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
DL01-S01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
DL01-W01@3'	8/29/2024	3	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
DL01-B01@6'	8/29/2024	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020

TABLE 2-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Notes:

ECMC - Energy and Carbon Management Commission

PGSSLs - Protection of Groundwater Soil Screening Level Concentrations

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

TABLE 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
ECMC Table 915-1 Cleanup Concentrations			4	6	6-8.3	2
Site-Specific Background Limits			0.206	5.52	8.15	0.167
ABOVEGROUND STORAGE TANK SAMPLES						
AST01@0.5'	7/17/2024	0.5	0.159	0.311	7.10	<0.101
PRODUCED WATER VESSEL SAMPLES						
PWV-S01@2'	7/17/2024	2	0.057	0.197	7.50	<0.100
PWV-B01@4'	7/17/2024	4	0.048	0.318	7.05	<0.997
SEPARATOR SAMPLES						
SEP01-INLET@4'	7/17/2024	4	0.086	0.713	7.38	<0.100
SEP01-INLET@4'-V	7/17/2024	4	NA	NA	7.64	NA
SEP01-OUTLET@4'	7/17/2024	4	0.244	0.493	8.52	<0.0992
SEP01-OUTLET@4'-V	7/17/2024	4	NA	NA	8.39	NA
SEP01-RISER@4'	7/17/2024	4	0.110	0.678	7.81	<0.0997
SEP01-RISER@4'-V	7/17/2024	4	NA	NA	7.50	NA
SEP01IN-N01@3'	8/29/2024	3	NA	NA	5.44	NA
SEP01IN-E01@3'	8/29/2024	3	NA	NA	6.34	NA
SEP01IN-S01@3'	8/29/2024	3	NA	NA	6.04	NA
SEP01IN-W01@3'	8/29/2024	3	NA	NA	6.41	NA
SEP01IN-B01@6'	8/29/2024	6	NA	NA	8.50	NA
SEP01OUT-N01@3'	8/29/2024	3	NA	NA	6.72	NA
SEP01OUT-E01@3'	8/29/2024	3	NA	NA	8.43	NA
SEP01OUT-S01@3'	8/29/2024	3	NA	NA	6.86	NA
SEP01OUT-W01@3'	8/29/2024	3	NA	NA	6.49	NA
SEP01OUT-B01@6'	8/29/2024	6	NA	NA	7.89	NA
WELLHEAD EXCAVATION SAMPLES						
WH01-RISER@2.5'	7/12/2024	2.5	0.384	1.31	8.39	0.183
WH01-RISER@2.5'-V	7/12/2024	2.5	NA	NA	8.62	NA
B01@5'	7/12/2024	5	0.570	1.85	8.48	0.207
B01@5'-V	7/12/2024	5	NA	NA	8.65	NA
MISCELLANEOUS SAMPLES						
DL01@4'	7/17/2024	4	0.089	0.302	6.21	<0.100
DL01@4'-V	7/17/2024	4	NA	NA	6.58	NA
DL01-N01@3'	8/29/2024	3	NA	NA	NA	NA
DL01-E01@3'	8/29/2024	3	NA	NA	NA	NA
DL01-S01@3'	8/29/2024	3	NA	NA	NA	NA
DL01-W01@3'	8/29/2024	3	NA	NA	NA	NA
DL01-B01@6'	8/29/2024	6	NA	NA	NA	NA
BACKGROUND SAMPLES						
NATIVE-BG01@2.5'	7/12/2024	2.5	0.0771	2.00	8.04	<0.100
NATIVE-BG01@5'	7/12/2024	5	0.135	4.00	8.15	<0.0999
NATIVE-BG02@2.5'	7/12/2024	2.5	0.0337	0.701	7.48	<0.101

**TABLE 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP**

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
ECMC Table 915-1 Cleanup Concentrations			4	6	6-8.3	2
Site-Specific Background Limits			0.206	5.52	8.15	0.167
NATIVE-BG02@5'	7/12/2024	5	0.0694	1.69	7.41	<0.100
NATIVE-BG03@2.5'	7/12/2024	2.5	0.173	0.983	7.53	0.167
NATIVE-BG03@5'	7/12/2024	5	0.206	5.52	7.84	0.108
NATIVE-BG04@2.5'	7/15/2024	2.5	0.0486	0.0651	7.43	<0.101
NATIVE-BG04@5'	7/15/2024	5	0.0426	0.579	7.22	<0.0988
NATIVE-BG05@2.5'	7/15/2024	2.5	0.0493	0.17	7.52	<0.0998
NATIVE-BG05@5'	7/15/2024	5	0.0468	0.598	7.39	<0.0989
TB-BG01@0.5'	7/17/2024	0.5	0.100	0.567	6.27	<0.0988
NATIVE-BG06@2.5'	7/17/2024	2.5	0.0713	0.221	7.62	<0.0984
NATIVE-BG06@5'	7/17/2024	5	0.0989	0.171	7.09	<0.0998
NATIVE-BG07@2.5'	7/17/2024	2.5	0.0859	0.183	7.32	<0.101
NATIVE-BG07@5'	7/17/2024	5	0.0483	0.349	7.37	<0.100
NATIVE-BG08@2.5'	7/17/2024	2.5	0.135	0.485	7.87	0.112
NATIVE-BG08@5'	7/17/2024	5	0.107	0.235	7.64	<0.101
NATIVE-BG09@2.5'	7/17/2024	2.5	0.0775	0.181	7.67	<0.0989
NATIVE-BG09@5'	7/17/2024	5	0.138	0.156	7.46	<0.0988

Notes:

ECMC - Energy and Carbon Management Commission

EC - electrical conductivity

SAR - sodium adsorption ratio

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

*Exceeds Table 915-1 allowable level but within background

If site-specific backgrounds are less than cleanup concentrations, then cleanup concentration values will be applied.

ft - feet

bgs - below ground surface

mmhos/cm - millimhos per centimeter

mg/L - milligrams per liter

**TABLE 2-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP**

Soil Sample ID	Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Site-Specific Background Limits^			3.4	91.1	0.230	0.358	13.5	9.38	6.96	NA	NA	60.5
ABOVEGROUND STORAGE TANK SAMPLES												
AST01@0.5'	7/17/2024	0.5	2.07*	48.6	0.101	0.133*	<8.65	5.66	4.55	0.238	<0.0865	<32.0
PRODUCED WATER VESSEL SAMPLES												
PWV-S01@2'	7/17/2024	2	1.81*	54.6	<0.0846	0.149*	<8.46	4.48	4.39	<0.220	<0.0846	<31.3
PWV-B01@4'	7/17/2024	4	2.11*	48.5	<0.0980	0.163*	<9.80	5.18	4.59	<0.255	<0.0980	<36.3
SEPARATOR SAMPLES												
SEP01-INLET@4'	7/17/2024	4	2.50*	49.1	0.0889	0.163*	<8.89	7.75	6.81	<0.231	<0.0889	<32.9
SEP01-INLET@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01-OUTLET@4'	7/17/2024	4	2.44*	54.7	0.101	0.161*	<9.76	5.44	5.34	<0.254	<0.0976	<36.1
SEP01-OUTLET@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01-RISER@4'	7/17/2024	4	2.50*	52.5	0.0996	<0.359	<8.58	5.99	5.34	<0.223	<0.0858	<31.8
SEP01-RISER@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEP01IN-N01@3'	8/29/2024	3	1.64*	48.3	<0.0962	<0.370	NA	4.17	3.82	NA	NA	NA
SEP01IN-E01@3'	8/29/2024	3	1.63*	62.6	<0.0927	<0.382	NA	4.21	4.37	NA	NA	NA
SEP01IN-S01@3'	8/29/2024	3	1.61*	43.2	<0.0844	<0.441	NA	4.49	4.07	NA	NA	NA
SEP01IN-W01@3'	8/29/2024	3	1.62*	51.2	<0.0992	<0.372	NA	4.25	4.66	NA	NA	NA
SEP01IN-B01@6'	8/29/2024	6	4.98	130	0.242	<0.421	NA	11.3	16.9	NA	NA	NA
SEP01OUT-N01@3'	8/29/2024	3	1.56*	62.8	<0.0947	<0.359	NA	3.98	4.08	NA	NA	NA
SEP01OUT-E01@3'	8/29/2024	3	1.97*	51.0	0.0899	<0.385	NA	5.13	4.68	NA	NA	NA
SEP01OUT-S01@3'	8/29/2024	3	1.49*	50.3	<0.0912	<0.365	NA	4.30	3.81	NA	NA	NA
SEP01OUT-W01@3'	8/29/2024	3	1.74*	58.8	<0.0940	<0.385	NA	4.40	4.56	NA	NA	NA
SEP01OUT-B01@6'	8/29/2024	6	1.51*	47.5	<0.0916	<0.403	NA	4.55	5.09	NA	NA	NA
WELLHEAD EXCAVATION SAMPLES												
WH01-RISER@2.5'	7/12/2024	2.5	1.45*	50.3	0.209	<0.335	9.25	32.4	4.42	<0.240	<0.0922	36.9
WH01-RISER@2.5'-V	7/12/2024	2.5	NA	NA	NA	NA	NA	16.4	NA	NA	NA	NA
B01@5'	7/12/2024	5	1.53*	56.9	0.202	<0.326	<9.40	11.2	4.71	<0.244	<0.0940	<34.8
B01@5'-V	7/12/2024	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS SAMPLES												
DL01@4'	7/17/2024	4	2.17*	47.2	0.0942	<0.416	<8.81	5.86	5.27	<0.229	<0.0881	<32.6
DL01@4'-V	7/17/2024	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL01-N01@3'	8/29/2024	3	1.64*	76.1	0.174	<0.476	NA	6.08	6.00	<0.239	NA	NA
DL01-E01@3'	8/29/2024	3	2.23*	106	0.155	<0.427	NA	8.62	7.19	<0.232	NA	NA
DL01-S01@3'	8/29/2024	3	1.98*	97.9	0.243	<0.429	NA	7.64	7.78	<0.234	NA	NA
DL01-W01@3'	8/29/2024	3	2.85*	117	0.125	<0.432	NA	9.37	9.00	<0.230	NA	NA
DL01-B01@6'	8/29/2024	6	1.20*	39.6	<0.0908	<0.427	NA	3.59	3.64	<0.236	NA	NA
BACKGROUND SAMPLES												
NATIVE-BG01@2.5'	7/12/2024	2.5	1.70	61.8	<0.0905	0.234	<9.05	4.52	4.66	<0.235	<0.0905	<33.5

TABLE 2-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
ANDERSON ADOLPH FACILITY & ANDERSON ADOLPH UNIT 1 WELLHEAD
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Cleanup Concentrations (PGSSLs)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Site-Specific Background Limits [^]			3.4	91.1	0.230	0.358	13.5	9.38	6.96	NA	NA	60.5
NATIVE-BG01@5'	7/12/2024	5	1.66	47.5	<0.0956	0.231	<9.56	3.92	4.72	<0.248	<0.0956	<35.4
NATIVE-BG02@2.5'	7/12/2024	2.5	1.39	43.5	<0.0893	<0.258	<8.93	4.25	3.84	<0.232	<0.0893	<33.0
NATIVE-BG02@5'	7/12/2024	5	1.29	50.5	<0.0976	0.231	<9.76	3.68	3.73	<0.254	<0.0976	<36.1
NATIVE-BG03@2.5'	7/12/2024	2.5	1.65	72.9	<0.0982	0.144	<9.82	7.26	4.34	<0.255	<0.0982	<36.3
NATIVE-BG03@5'	7/12/2024	5	1.78	69.9	<0.0898	0.259	<8.98	5.79	5.57	<0.233	<0.0898	<33.2
NATIVE-BG04@2.5'	7/15/2024	2.5	1.26	32.0	0.0940	0.286	<8.96	4.38	2.66	<0.233	<0.0896	<33.1
NATIVE-BG04@5'	7/15/2024	5	1.40	47.0	<0.0903	0.174	<9.03	4.47	4.13	<0.235	<0.0903	<33.4
NATIVE-BG05@2.5'	7/15/2024	2.5	2.05	32.6	0.184	0.275	<8.72	7.05	3.06	<0.227	<0.0872	<32.3
NATIVE-BG05@5'	7/15/2024	5	2.33	58.6	<0.0970	0.236	<9.70	4.92	5.22	<0.252	<0.0970	<35.9
TB-BG01@0.5'	7/17/2024	0.5	2.72	58.6	0.150	<0.362	10.8	7.50	5.21	<0.241	<0.0927	48.4
NATIVE-BG06@2.5'	7/17/2024	2.5	1.43	42.6	<0.0880	0.247	<8.80	3.82	3.21	<0.229	<0.0880	<32.6
NATIVE-BG06@5'	7/17/2024	5	1.76	37.5	<0.0939	<0.323	<9.39	5.01	3.47	<0.244	<0.0939	<34.7
NATIVE-BG07@2.5'	7/17/2024	2.5	2.19	41.1	0.0912	<0.500	<8.77	5.30	4.33	<0.228	<0.0877	<32.4
NATIVE-BG07@5'	7/17/2024	5	2.38	71.0	<0.0974	0.170	<9.74	5.04	4.46	<0.253	<0.0974	<36.0
NATIVE-BG08@2.5'	7/17/2024	2.5	2.37	44.4	<0.0982	0.146	<9.82	6.04	4.56	<0.255	<0.0982	<36.3
NATIVE-BG08@5'	7/17/2024	5	2.18	45.1	<0.0944	<0.274	<9.44	5.33	4.33	<0.246	<0.0944	<34.9
NATIVE-BG09@2.5'	7/17/2024	2.5	1.70	49.6	<0.0945	<0.326	<9.45	4.47	3.48	<0.246	<0.0945	<35.0
NATIVE-BG09@5'	7/17/2024	5	2.01	39.8	0.132	<0.302	<8.67	6.74	3.69	<0.225	<0.0867	<32.1

Notes:

ECMC - Energy and Carbon Management Commission

PGSSLs - Protection of Groundwater Soil Screening Level Concentrations

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds ECMC Table 915-1 allowable level and background

*Exceeds Table 915-1 allowable level but within analytical variability of background

[^] - site-specific background is shown as 1.25x maximum background to account for analytical variability

If site-specific backgrounds are less than cleanup concentrations, then cleanup concentration values will be applied.

August 15, 2024

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - Anderson Adolph Facility & Project Number - 09A1417745
Unit 1 Wellhead**

Attached are your analytical results for KMG - Anderson Adolph Facility & Unit 1 Wellhead received by Origins Laboratory, Inc. July 12, 2024. This project is associated with Origins project number Y407325-01.

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



Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01@5'	Y407325-01	Soil	July 12, 2024 9:30	07/12/2024 16:32
B01@5'-V	Y407325-02	Soil	July 12, 2024 9:35	07/12/2024 16:32
WH01-RISER@2.5'	Y407325-03	Soil	July 12, 2024 9:40	07/12/2024 16:32
WH01-RISER@2.5'-V	Y407325-04	Soil	July 12, 2024 9:45	07/12/2024 16:32
NATIVE-BG01@2.5'	Y407325-05	Soil	July 12, 2024 9:50	07/12/2024 16:32
NATIVE-BG01@5'	Y407325-06	Soil	July 12, 2024 9:55	07/12/2024 16:32
NATIVE-BG02@2.5'	Y407325-07	Soil	July 12, 2024 10:00	07/12/2024 16:32
NATIVE-BG02@5'	Y407325-08	Soil	July 12, 2024 10:05	07/12/2024 16:32
NATIVE-BG03@2.5'	Y407325-09	Soil	July 12, 2024 10:10	07/12/2024 16:32
NATIVE-BG03@5'	Y407325-10	Soil	July 12, 2024 10:15	07/12/2024 16:32

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

ORIGINS

LABORATORY LLC

Client: Ensolum

Address:

Project Manager: Jeremy Espinoza

Project Name: Anderson Adolph Facility & Unit 1 Wellhead

Project Number: 09A1417745

Collected By: Linda Lewis

Invoice/Billing Info: Millia

Telephone Number: (970) 590-7134

Email Address: lmj@ens.com

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | U=Ujanes | HCl= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

4407325

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix Preservative	Analysis						Comments	
						Pgt	PH	EC	SO4	NO3	Metals		
1	SO105-V	7/12/14	0955	5	UMP	X							Pb added to
2	SO105-V	7/12/14	0955	5	UMP	X							WHD - Residue 25-V
3	SO105-V	7/12/14	0955	5	UMP	X							per the email
4	SO105-V	7/12/14	0955	5	UMP	X							from sampling
5	SO105-V	7/12/14	0955	5	UMP	X							on 7/12/14 sp
6	SO105-V	7/12/14	0955	5	UMP	X							
7	SO105-V	7/12/14	0955	5	UMP	X							
8	SO105-V	7/12/14	0955	5	UMP	X							
9	SO105-V	7/12/14	0955	5	UMP	X							
10	SO105-V	7/12/14	0955	5	UMP	X							

Relinquished By: [Signature] Date: 8/11/14 Time: 1532

Received By: [Signature] Date: 7/12/14 Time: 11052

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr Standard

Temp Received: Received On Ice? Yes No

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 4407325

Client: Ensolum
 Client Project ID: Amplex Facility / wt

Checklist Completed by: JEP
 Date/time completed: 7/12/12

Shipped Via: TU
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A

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

Cooler Number/Temperature: 1, 4 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: 1005

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

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 7/12/12

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

B01@5'

7/12/2024 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.207		0.0998	mg/L	1	B4G1514	07/15/2024	07/17/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1222	07/12/2024	07/14/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	89.0 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G1241	07/12/2024	07/12/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	93.1 %		70-130			"	"	"	
----------------------------------	--------	--	--------	--	--	---	---	---	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

B01@5'

7/12/2024 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	103 %		70-130			B4G12 41	07/12/2024	07/12/2024	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.928		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G1236	07/12/2024	07/12/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

B01@5'

7/12/2024 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-01 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4G1236	07/12/2024	07/12/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	106 %		60-130			"	"	"	
Surrogate: Anthracene-d10	90.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	98.0 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.48			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.85		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.570		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

B01@5'

7/12/2024 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.53		0.273	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	56.9		9.40	"	"	"	"	"	
Cadmium	0.202		0.0940	"	"	"	"	"	
Copper	ND		9.40	"	"	"	"	"	Ua
Lead	11.2		0.940	"	"	"	"	"	
Nickel	4.71		0.940	"	"	"	"	"	
Selenium	ND		0.244	"	"	"	"	"	Ua
Silver	ND		0.0940	"	"	"	"	"	Ua
Zinc	ND		34.8	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	ND	0.131	0.326	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hU
---------------------	----	-------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

B01@5'-V

7/12/2024 9:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-02 (Soil)

pH in Soil by 9045D

pH	8.65			pH Units	1	B4G1528	07/15/2024	07/15/2024	
----	------	--	--	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

WH01-RISER@2.5'
7/12/2024 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.183		0.100	mg/L	1	B4G1514	07/15/2024	07/17/2024	
-------	-------	--	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1222	07/12/2024	07/14/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	87.3 %		50-150			"	"	"	
------------------------	--------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G1241	07/12/2024	07/12/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	91.2 %		70-130			"	"	"	
----------------------------------	--------	--	--------	--	--	---	---	---	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

WH01-RISER@2.5'
7/12/2024 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	104 %		70-130			B4G12 41	07/12/2024	07/12/2024	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	0.576		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.749		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G1236	07/12/2024	07/12/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	Ua
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	Ua
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	ND		0.020	"	"	"	"	"	Ua
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

WH01-RISER@2.5'
7/12/2024 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-03 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4G1236	07/12/2024	07/12/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	105 %		60-130			"	"	"	
Surrogate: Anthracene-d10	90.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	97.5 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.39			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.31		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.384		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

WH01-RISER@2.5'
7/12/2024 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.45		0.267	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	50.3		9.22	"	"	"	"	"	
Cadmium	0.209		0.0922	"	"	"	"	"	
Copper	9.25		9.22	"	"	"	"	"	
Lead	32.4		0.922	"	"	"	"	"	
Nickel	4.42		0.922	"	"	"	"	"	
Selenium	ND		0.240	"	"	"	"	"	Ua
Silver	ND		0.0922	"	"	"	"	"	Ua
Zinc	36.9		34.1	"	"	"	"	"	

Total Metals by 7196A

Hexavalent Chromium	ND	0.134	0.335	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hU
---------------------	----	-------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

WH01-RISER@2.5'-V
7/12/2024 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-04 (Soil)

pH in Soil by 9045D

pH	8.62			pH Units	1	B4G1528	07/15/2024	07/15/2024	
----	------	--	--	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Lead	16.4		0.837	mg/kg	10	B4G1624	07/16/2024	07/17/2024	
------	------	--	-------	-------	----	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG01@2.5'
7/12/2024 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4G1514	07/15/2024	07/17/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.572		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.04			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	2.00		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0771		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.70		0.262	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	61.8		9.05	"	"	"	"	"	
Cadmium	ND		0.0905	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG01@2.5'
7/12/2024 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-05 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.05	mg/kg	10	B4G1237	07/12/2024	07/13/2024	Ua
Lead	4.52		0.905	"	"	"	"	"	
Nickel	4.66		0.905	"	"	"	"	"	
Selenium	ND		0.235	"	"	"	"	"	Ua
Silver	ND		0.0905	"	"	"	"	"	Ua
Zinc	ND		33.5	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.234	0.117	0.293	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hJ
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG01@5'
7/12/2024 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0999	mg/L	1	B4G1514	07/15/2024	07/17/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.15		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	8.15			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	4.00		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.135		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.66		0.277	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	47.5		9.56	"	"	"	"	"	
Cadmium	ND		0.0956	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG01@5'
7/12/2024 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-06 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.56	mg/kg	10	B4G1237	07/12/2024	07/13/2024	Ua
Lead	3.92		0.956	"	"	"	"	"	
Nickel	4.72		0.956	"	"	"	"	"	
Selenium	ND		0.248	"	"	"	"	"	Ua
Silver	ND		0.0956	"	"	"	"	"	Ua
Zinc	ND		35.4	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.231	0.134	0.336	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hJ
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG02@2.5'
7/12/2024 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-07 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4G1514	07/15/2024	07/17/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.48			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.701		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0337		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.39		0.259	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	43.5		8.93	"	"	"	"	"	
Cadmium	ND		0.0893	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG02@2.5'
7/12/2024 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-07 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.93	mg/kg	10	B4G1237	07/12/2024	07/13/2024	Ua
Lead	4.25		0.893	"	"	"	"	"	
Nickel	3.84		0.893	"	"	"	"	"	
Selenium	ND		0.232	"	"	"	"	"	Ua
Silver	ND		0.0893	"	"	"	"	"	Ua
Zinc	ND		33.0	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	ND	0.103	0.258	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hU
---------------------	----	-------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG02@5'
7/12/2024 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-08 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4G1514	07/15/2024	07/17/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.41			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	1.69		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0694		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.29		0.283	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	50.5		9.76	"	"	"	"	"	
Cadmium	ND		0.0976	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG02@5'
7/12/2024 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-08 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.76	mg/kg	10	B4G1237	07/12/2024	07/13/2024	Ua
Lead	3.68		0.976	"	"	"	"	"	
Nickel	3.73		0.976	"	"	"	"	"	
Selenium	ND		0.254	"	"	"	"	"	Ua
Silver	ND		0.0976	"	"	"	"	"	Ua
Zinc	ND		36.1	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.231	0.160	0.399	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hJ
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG03@2.5'
7/12/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.167		0.0991	mg/L	1	B4G1514	07/15/2024	07/17/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.53			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.983		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.173		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.65		0.285	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	72.9		9.82	"	"	"	"	"	
Cadmium	ND		0.0982	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG03@2.5'
7/12/2024 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-09 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.82	mg/kg	10	B4G1237	07/12/2024	07/13/2024	Ua
Lead	7.26		0.982	"	"	"	"	"	
Nickel	4.34		0.982	"	"	"	"	"	
Selenium	ND		0.255	"	"	"	"	"	Ua
Silver	ND		0.0982	"	"	"	"	"	Ua
Zinc	ND		36.3	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.144	0.122	0.305	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hJ
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG03@5'
7/12/2024 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.108		0.0994	mg/L	1	B4G1514	07/15/2024	07/17/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/15/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	1.56		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.84			pH Units	1	B4G1520	07/15/2024	07/16/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	5.52		0.0100	SAR	1	B4G1508	07/15/2024	07/17/2024	
-----	------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.206		0.00500	mmhos/cm	1	B4G1520	07/15/2024	07/16/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.78		0.260	mg/kg	10	B4G1237	07/12/2024	07/13/2024	
Barium	69.9		8.98	"	"	"	"	"	
Cadmium	ND		0.0898	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG03@5'
7/12/2024 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407325-10 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.98	mg/kg	10	B4G1237	07/12/2024	07/13/2024	Ua
Lead	5.79		0.898	"	"	"	"	"	
Nickel	5.57		0.898	"	"	"	"	"	
Selenium	ND		0.233	"	"	"	"	"	Ua
Silver	ND		0.0898	"	"	"	"	"	Ua
Zinc	ND		33.2	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.259	0.130	0.324	mg/kg dry	1	2653014	08/14/2024	08/14/2024	hJ
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1222 - EPA 3550B

Blank (B4G1222-BLK1)

Prepared: 07/12/2024 Analyzed: 07/14/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	26		"	24.9		106	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1222 - EPA 3550B

LCS (B4G1222-BS1)

Prepared: 07/12/2024 Analyzed: 07/14/2024

Diesel (C10-C28)	918	50.0	mg/kg	1000		91.8	70-130			
Residual Range Organics (C28-C40)	983	200	"	1000		98.3	70-130			
Surrogate: o-Terphenyl	54		"	49.8		109	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1222 - EPA 3550B

Matrix Spike (B4G1222-MS1)	Source: Y407325-01			Prepared: 07/12/2024 Analyzed: 07/14/2024						
Diesel (C10-C28)	964	50.0	mg/kg	1000	ND	96.4	70-130			
Residual Range Organics (C28-C40)	1060	200	"	1000	ND	106	70-130			
Surrogate: o-Terphenyl	54		"	49.8		108	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1222 - EPA 3550B

Matrix Spike Dup (B4G1222-MSD1)	Source: Y407325-01			Prepared: 07/12/2024 Analyzed: 07/14/2024						
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130	5.99	35	
Residual Range Organics (C28-C40)	1140	200	"	1000	ND	114	70-130	7.22	35	
<i>Surrogate: o-Terphenyl</i>	<i>61</i>		<i>"</i>	<i>49.8</i>		<i>122</i>	<i>50-150</i>			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1241 - EPA 5030 (soil)

Blank (B4G1241-BLK1)

Prepared: 07/12/2024 Analyzed: 07/12/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	90.8		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	104		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	103		70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1241 - EPA 5030 (soil)

LCS (B4G1241-BS1)

Prepared: 07/12/2024 Analyzed: 07/12/2024

1,2,4-Trimethylbenzene	0.113	0.00200	mg/kg	0.100		113	70-130			
1,3,5-Trimethylbenzene	0.112	0.00200	"	0.100		112	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Naphthalene	0.103	0.00380	"	0.100		103	70-130			
Toluene	0.104	0.00200	"	0.100		104	70-130			
o-Xylene	0.111	0.00200	"	0.100		111	70-130			
m,p-Xylene	0.235	0.00400	"	0.200		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.7	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1241 - EPA 5030 (soil)

Matrix Spike (B4G1241-MS1)	Source: Y407325-01			Prepared: 07/12/2024 Analyzed: 07/12/2024						
1,2,4-Trimethylbenzene	0.107	0.00200	mg/kg	0.100	ND	107	70-130			
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100	ND	107	70-130			
Benzene	0.103	0.00200	"	0.100	ND	103	70-130			
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Naphthalene	0.0952	0.00380	"	0.100	ND	95.2	70-130			
Toluene	0.101	0.00200	"	0.100	ND	101	70-130			
o-Xylene	0.0972	0.00200	"	0.100	ND	97.2	70-130			
m,p-Xylene	0.216	0.00400	"	0.200	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		90.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1241 - EPA 5030 (soil)

Matrix Spike Dup (B4G1241-MSD1)	Source: Y407325-01			Prepared: 07/12/2024 Analyzed: 07/12/2024						
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130	2.15	20	
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130	2.13	20	
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	1.31	20	
Ethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	1.16	20	
Naphthalene	0.0972	0.00380	"	0.100	ND	97.2	70-130	2.08	20	
Toluene	0.0994	0.00200	"	0.100	ND	99.4	70-130	1.72	20	
o-Xylene	0.0962	0.00200	"	0.100	ND	96.2	70-130	1.01	20	
m,p-Xylene	0.213	0.00400	"	0.200	ND	107	70-130	0.960	20	
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		91.6	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

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

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

Batch B4G1237 - EPA 3050B

Blank (B4G1237-BLK1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	10.0	"							Ua
Cadmium	ND	0.100	"							Ua
Copper	ND	10.0	"							Ua
Lead	ND	1.00	"							Ua
Nickel	ND	1.00	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.100	"							Ua
Zinc	ND	37.0	"							Ua

LCS (B4G1237-BS1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

Arsenic	5.17	0.290	mg/kg	5.00		103	80-120			
Barium	508	10.0	"	500		102	80-120			
Cadmium	5.17	0.100	"	5.00		103	80-120			
Copper	51.1	10.0	"	50.0		102	80-120			
Lead	4.85	1.00	"	5.00		97.0	80-120			
Nickel	5.18	1.00	"	5.00		104	80-120			
Selenium	5.09	0.260	"	5.00		102	80-120			
Silver	5.24	0.100	"	5.00		105	80-120			
Zinc	53.7	37.0	"	50.0		107	80-120			

Matrix Spike (B4G1237-MS1)

Source: Y407315-12

Prepared: 07/12/2024 Analyzed: 07/13/2024

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1237 - EPA 3050B

Matrix Spike (B4G1237-MS1)	Source: Y407315-12			Prepared: 07/12/2024 Analyzed: 07/13/2024						
Arsenic	7.50	0.253	mg/kg	4.36	2.92	105	75-125			
Barium	570	8.72	"	436	113	105	75-125			
Cadmium	4.79	0.0872	"	4.36	0.111	107	75-125			
Copper	53.1	8.72	"	43.6	7.68	104	75-125			
Lead	11.5	0.872	"	4.36	7.18	99.7	75-125			
Nickel	12.5	0.872	"	4.36	7.98	104	75-125			
Selenium	4.37	0.227	"	4.36	0.137	97.0	75-125			
Silver	4.70	0.0872	"	4.36	0.0119	108	75-125			
Zinc	79.3	32.3	"	43.6	32.8	107	75-125			

Matrix Spike Dup (B4G1237-MSD1)	Source: Y407315-12			Prepared: 07/12/2024 Analyzed: 07/13/2024						
Arsenic	7.54	0.267	mg/kg	4.60	2.92	100	75-125	0.598	20	
Barium	568	9.21	"	460	113	98.9	75-125	0.366	20	
Cadmium	4.78	0.0921	"	4.60	0.111	101	75-125	0.283	20	
Copper	53.2	9.21	"	46.0	7.68	98.8	75-125	0.108	20	
Lead	12.0	0.921	"	4.60	7.18	105	75-125	4.13	20	
Nickel	12.8	0.921	"	4.60	7.98	105	75-125	2.51	20	
Selenium	4.36	0.239	"	4.60	0.137	91.6	75-125	0.296	20	
Silver	4.76	0.0921	"	4.60	0.0119	103	75-125	1.09	20	
Zinc	79.7	34.1	"	46.0	32.8	102	75-125	0.574	20	

Batch B4G1624 - EPA 3050B

Blank (B4G1624-BLK1)	Prepared: 07/16/2024 Analyzed: 07/17/2024									
Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	10.0	"							Ua
Cadmium	ND	0.100	"							Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1624 - EPA 3050B

Blank (B4G1624-BLK1)

Prepared: 07/16/2024 Analyzed: 07/17/2024

Copper	ND	10.0	mg/kg							Ua
Lead	ND	1.00	"							Ua
Nickel	ND	1.00	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.100	"							Ua
Zinc	ND	37.0	"							Ua

LCS (B4G1624-BS1)

Prepared: 07/16/2024 Analyzed: 07/17/2024

Arsenic	5.67	0.290	mg/kg	5.00		113	80-120			
Barium	592	10.0	"	500		118	80-120			
Cadmium	5.72	0.100	"	5.00		114	80-120			
Copper	58.2	10.0	"	50.0		116	80-120			
Lead	5.69	1.00	"	5.00		114	80-120			
Nickel	5.30	1.00	"	5.00		106	80-120			
Selenium	5.68	0.260	"	5.00		114	80-120			
Silver	5.57	0.100	"	5.00		111	80-120			
Zinc	57.8	37.0	"	50.0		116	80-120			

Matrix Spike (B4G1624-MS1)

Source: Y407401-01

Prepared: 07/16/2024 Analyzed: 07/17/2024

Arsenic	7.68	0.278	mg/kg	4.80	2.87	100	75-125			
Barium	593	9.59	"	480	44.8	114	75-125			
Cadmium	5.36	0.0959	"	4.80	0.108	109	75-125			
Copper	58.0	9.59	"	48.0	4.95	111	75-125			
Lead	10.2	0.959	"	4.80	5.70	93.8	75-125			
Nickel	9.05	0.959	"	4.80	4.19	101	75-125			
Selenium	5.64	0.249	"	4.80	0.0651	116	75-125			
Silver	5.26	0.0959	"	4.80	0.0214	109	75-125			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1624 - EPA 3050B

Matrix Spike (B4G1624-MS1)		Source: Y407401-01			Prepared: 07/16/2024 Analyzed: 07/17/2024					
Zinc	71.8	35.5	mg/kg	48.0	22.5	103	75-125			
Matrix Spike Dup (B4G1624-MSD1)		Source: Y407401-01			Prepared: 07/16/2024 Analyzed: 07/17/2024					
Arsenic	8.37	0.278	mg/kg	4.79	2.87	115	75-125	8.56	20	
Barium	603	9.57	"	479	44.8	117	75-125	1.68	20	
Cadmium	5.38	0.0957	"	4.79	0.108	110	75-125	0.328	20	
Copper	60.3	9.57	"	47.9	4.95	116	75-125	3.96	20	
Lead	10.6	0.957	"	4.79	5.70	103	75-125	4.25	20	
Nickel	10.3	0.957	"	4.79	4.19	127	75-125	12.8	20	QM-07
Selenium	5.08	0.249	"	4.79	0.0651	105	75-125	10.5	20	
Silver	5.20	0.0957	"	4.79	0.0214	108	75-125	1.11	20	
Zinc	76.0	35.4	"	47.9	22.5	112	75-125	5.64	20	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1236 - EPA 3580

Blank (B4G1236-BLK1)

Prepared: 07/12/2024 Analyzed: 07/12/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	180		"	200		89.6	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B4G1236-BS1)

Prepared: 07/12/2024 Analyzed: 07/12/2024

1-Methylnaphthalene	0.190	0.002	mg/kg	0.200		95.1	70-130			
2-Methylnaphthalene	0.188	0.002	"	0.200		94.1	70-130			
Acenaphthene	0.203	0.020	"	0.200		101	70-130			
Anthracene	0.168	0.020	"	0.200		83.9	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1236 - EPA 3580

LCS (B4G1236-BS1)

Prepared: 07/12/2024 Analyzed: 07/12/2024

Benzo (a) anthracene	0.187	0.005	mg/kg	0.200		93.6	70-130			
Benzo (a) pyrene	0.193	0.020	"	0.200		96.5	70-130			
Benzo (b) fluoranthene	0.190	0.020	"	0.200		94.8	70-130			
Benzo (g,h,i) perylene	0.188	0.020	"	0.200		94.2	70-130			
Benzo (k) fluoranthene	0.189	0.020	"	0.200		94.7	70-130			
Chrysene	0.194	0.020	"	0.200		97.1	70-130			
Dibenz (a,h) anthracene	0.183	0.020	"	0.200		91.5	70-130			
Fluoranthene	0.187	0.020	"	0.200		93.3	70-130			
Fluorene	0.215	0.020	"	0.200		107	70-130			
Indeno (1,2,3-cd) pyrene	0.185	0.020	"	0.200		92.7	70-130			
Naphthalene	0.205	0.002	"	0.200		102	70-130			
Phenanthrene	0.179	0.020	"	0.200		89.4	70-130			
Pyrene	0.191	0.020	"	0.200		95.7	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		105	60-130			
Surrogate: Anthracene-d10	180		"	200		89.8	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike (B4G1236-MS1)

Source: Y407335-01

Prepared: 07/12/2024 Analyzed: 07/12/2024

1-Methylnaphthalene	0.198	0.002	mg/kg	0.200	0.0004	98.8	70-130			
2-Methylnaphthalene	0.197	0.002	"	0.200	ND	98.5	70-130			
Acenaphthene	0.210	0.020	"	0.200	ND	105	70-130			
Anthracene	0.184	0.020	"	0.200	0.0007	91.8	70-130			
Benzo (a) anthracene	0.201	0.005	"	0.200	ND	100	70-130			
Benzo (a) pyrene	0.205	0.020	"	0.200	ND	103	70-130			
Benzo (b) fluoranthene	0.205	0.020	"	0.200	0.001	102	70-130			
Benzo (g,h,i) perylene	0.197	0.020	"	0.200	0.0007	98.1	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1236 - EPA 3580

Matrix Spike (B4G1236-MS1)		Source: Y407335-01			Prepared: 07/12/2024 Analyzed: 07/12/2024					
Benzo (k) fluoranthene	0.210	0.020	mg/kg	0.200	ND	105	70-130			
Chrysene	0.203	0.020	"	0.200	0.0005	101	70-130			
Dibenz (a,h) anthracene	0.193	0.020	"	0.200	ND	96.5	70-130			
Fluoranthene	0.197	0.020	"	0.200	ND	98.3	70-130			
Fluorene	0.224	0.020	"	0.200	ND	112	70-130			
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	ND	99.8	70-130			
Naphthalene	0.213	0.002	"	0.200	ND	107	70-130			
Phenanthrene	0.189	0.020	"	0.200	ND	94.4	70-130			
Pyrene	0.196	0.020	"	0.200	ND	98.0	70-130			
Surrogate: Fluorene-d10	210		ug/kg	200		106	60-130			
Surrogate: Anthracene-d10	180		"	200		89.4	60-130			
Surrogate: Pyrene-d10	200		"	200		100	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

Matrix Spike Dup (B4G1236-MSD1)		Source: Y407335-01			Prepared: 07/12/2024 Analyzed: 07/12/2024					
1-Methylnaphthalene	0.198	0.002	mg/kg	0.200	0.0004	98.8	70-130	0.0503	20	
2-Methylnaphthalene	0.196	0.002	"	0.200	ND	98.2	70-130	0.229	20	
Acenaphthene	0.207	0.020	"	0.200	ND	104	70-130	1.31	20	
Anthracene	0.181	0.020	"	0.200	0.0007	90.3	70-130	1.67	20	
Benzo (a) anthracene	0.197	0.005	"	0.200	ND	98.5	70-130	1.76	20	
Benzo (a) pyrene	0.202	0.020	"	0.200	ND	101	70-130	1.40	20	
Benzo (b) fluoranthene	0.206	0.020	"	0.200	0.001	102	70-130	0.266	20	
Benzo (g,h,i) perylene	0.194	0.020	"	0.200	0.0007	96.6	70-130	1.53	20	
Benzo (k) fluoranthene	0.196	0.020	"	0.200	ND	97.8	70-130	7.33	20	
Chrysene	0.204	0.020	"	0.200	0.0005	102	70-130	0.480	20	
Dibenz (a,h) anthracene	0.196	0.020	"	0.200	ND	97.8	70-130	1.32	20	
Fluoranthene	0.191	0.020	"	0.200	ND	95.7	70-130	2.71	20	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1236 - EPA 3580

Matrix Spike Dup (B4G1236-MSD1)	Source: Y407335-01			Prepared: 07/12/2024 Analyzed: 07/12/2024						
Fluorene	0.221	0.020	mg/kg	0.200	ND	111	70-130	1.05	20	
Indeno (1,2,3-cd) pyrene	0.193	0.020	"	0.200	ND	96.6	70-130	3.21	20	
Naphthalene	0.214	0.002	"	0.200	ND	107	70-130	0.0857	20	
Phenanthrene	0.186	0.020	"	0.200	ND	92.8	70-130	1.68	20	
Pyrene	0.199	0.020	"	0.200	ND	99.7	70-130	1.76	20	
Surrogate: Fluorene-d10	210		ug/kg	200		104	60-130			
Surrogate: Anthracene-d10	180		"	200		89.1	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1508 - Saturated Paste Metals

Blank (B4G1508-BLK1)

Prepared: 07/15/2024 Analyzed: 07/17/2024

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

Duplicate (B4G1508-DUP1)

Source: Y407322-02

Prepared: 07/15/2024 Analyzed: 07/17/2024

Calcium PPM	46.4	10.0	mg/L		47.3			1.96	50	
SAR	ND	0.0100	SAR		0.0605				200	Ua
Magnesium PPM	11.5	10.0	mg/L		12.0			4.34	50	
Sodium PPM	1.84	10.0	"		1.80			2.20	50	Ua

Batch B4G1514 - DTPA Sorbitol Preparation

Blank (B4G1514-BLK1)

Prepared: 07/15/2024 Analyzed: 07/17/2024

Boron	ND	0.100	mg/L							Ua
-------	----	-------	------	--	--	--	--	--	--	----

Duplicate (B4G1514-DUP1)

Source: Y407322-02

Prepared: 07/15/2024 Analyzed: 07/17/2024

Boron	0.194	0.0988	mg/L		0.208			6.97	50	
-------	-------	--------	------	--	-------	--	--	------	----	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1520 - Saturated Paste pH/EC

Blank (B4G1520-BLK1)

Prepared: 07/15/2024 Analyzed: 07/16/2024

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
---------------------------	----	---------	----------	--	--	--	--	--	--	----

Duplicate (B4G1520-DUP1)

Source: Y407322-02

Prepared: 07/15/2024 Analyzed: 07/16/2024

Specific Conductance (EC)	0.738	0.00500	mmhos/cm		0.751		1.68		25	
pH	6.79		pH Units		6.94		2.18		25	

Batch B4G1528 - Saturated Paste pH/EC

Duplicate (B4G1528-DUP1)

Source: Y407297-04

Prepared: 07/15/2024 Analyzed: 07/15/2024

pH	8.22		pH Units		8.26		0.485		25	
----	------	--	----------	--	------	--	-------	--	----	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Total Metals by 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2653014 - SW846 3060A										
BLANK (1205814662-BLK)					Prepared: 08/14/2024 Analyzed: 08/14/2024					
Hexavalent Chromium	ND	0.347	mg/kg				-			U
LCS (1205814663-BKS)					Prepared: 08/14/2024 Analyzed: 08/14/2024					
Hexavalent Chromium	3.62	0.365	mg/kg	3.65		99	80-120			
DUP (1205814664 D)					Source: 675867001 Prepared: 08/14/2024 Analyzed: 08/14/2024					
Hexavalent Chromium	0.234	0.403	mg/kg dry		0.190		0-50	20.9	50	hJ
MS (1205814665 S)					Source: 675867001 Prepared: 08/14/2024 Analyzed: 08/14/2024					
Hexavalent Chromium	1.69	0.403	mg/kg dry	4.03	0.190	37.3	75-125			h
DUP (1205814666 D)					Source: 675867002 Prepared: 08/14/2024 Analyzed: 08/14/2024					
Hexavalent Chromium	0.167	0.242	mg/kg dry		0.193		0-50	14.7	50	hJ
MS (1205814667 S)					Source: 675867002 Prepared: 08/14/2024 Analyzed: 08/14/2024					
Hexavalent Chromium	1.20	0.242	mg/kg dry	2.42	0.193	41.6	75-125			h
ILCS (1205814668-ILCS)					Prepared: 08/14/2024 Analyzed: 08/14/2024					
Hexavalent Chromium	5.18	0.254	mg/kg	5.19		99.7	80-120			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1
Wellhead

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

hU [Undefined]

hJ [Undefined]

h Preparation or preservation holding time was exceeded

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, Project Manager

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

August 15, 2024

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - Anderson Adolph Facility & Project Number - 09A1417745
Unit 1 Wellhead**

Attached are your analytical results for KMG - Anderson Adolph Facility & Unit 1 Wellhead received by Origins Laboratory, Inc. July 15, 2024. This project is associated with Origins project number Y407365-01.

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



Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NATIVE-BG04@2.5'	Y407365-01	Soil	July 15, 2024 12:00	07/15/2024 16:10
NATIVE-BG04@5'	Y407365-02	Soil	July 15, 2024 12:05	07/15/2024 16:10
NATIVE-BG05@2.5'	Y407365-03	Soil	July 15, 2024 12:10	07/15/2024 16:10
NATIVE-BG05@5'	Y407365-04	Soil	July 15, 2024 12:15	07/15/2024 16:10

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

ORIGINS

LABORATORY INC

ORIGINS WORK ORDER #
407345

Page 1 of 1

Address:

Ensolum

Project Manager:

Sabrina Espinoza

Key:

Telephone Number:

(970) 560-2134

Project Name:

Anderson Adolph Facility - Hydrogen Atom Unit Wellhead

W=Water
 GW=Groundwater

Email Address:

EMT Team

Collected By:

Kendra Carr

SW=Surface Water
 WW=Waste Water

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCl= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

Invoice/Billing Info:

Initial

L=Liquid

#	Sample ID	Date	Time	Sampled	Time	# of Containers	Matrix	Preservative	Analysis						Comments		
									EC	pH	SPR	Baron	915metals				
1	Wm - 810105	7/15/14	1200	2	2	5	UNP										
2	Wm - 810105	7/15/14	1208	2	2	5											
3	Wm - 810105	7/15/14	1210	2	2	5											
4	Wm - 810105	7/15/14	1215	2	2	5											
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished By: [Signature] Date: 7/15/14 Time: 6:10

Received By: [Signature] Date: 7/15/14 Time: 1:00

Temp Received: 3 Received On Ice? Yes No

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr

Standard

1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

For Lab Sample Receiving Only:

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4407365

Client: Ensolum

Client Project ID: Anderson Adolph

Checklist Completed by: EHO

Shipped Via: HO

Date/time completed: 7/15/24

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

Airbill #: N/A

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

Cooler Number/Temperature: 113 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T005

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

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

EHO
 Reviewed by (Project Manager)

7/15/24
 Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG04@2.5'
7/15/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4G1606	07/16/2024	07/18/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/16/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.43			pH Units	1	B4G1613	07/16/2024	07/17/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.0651		0.0100	SAR	1	B4G1609	07/16/2024	07/17/2024	
-----	--------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0486		0.00500	mmhos/cm	1	B4G1613	07/16/2024	07/17/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.26		0.260	mg/kg	10	B4G1536	07/15/2024	07/16/2024	
Barium	32.0		8.96	"	"	"	"	"	
Cadmium	0.0940		0.0896	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG04@2.5'
7/15/2024 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-01 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.96	mg/kg	10	B4G1536	07/15/2024	07/16/2024	Ua
Lead	4.38		0.896	"	"	"	"	"	
Nickel	2.66		0.896	"	"	"	"	"	
Selenium	ND		0.233	"	"	"	"	"	Ua
Silver	ND		0.0896	"	"	"	"	"	Ua
Zinc	ND		33.1	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.286	0.197	0.493	mg/kg dry	1	2653027	08/08/2024	08/14/2024	J
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG04@5'
7/15/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0988	mg/L	1	B4G1606	07/16/2024	07/18/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/16/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.22			pH Units	1	B4G1613	07/16/2024	07/17/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.579		0.0100	SAR	1	B4G1609	07/16/2024	07/17/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0426		0.00500	mmhos/cm	1	B4G1613	07/16/2024	07/17/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.40		0.262	mg/kg	10	B4G1536	07/15/2024	07/16/2024	
Barium	47.0		9.03	"	"	"	"	"	
Cadmium	ND		0.0903	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG04@5'
7/15/2024 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-02 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.03	mg/kg	10	B4G1536	07/15/2024	07/16/2024	Ua
Lead	4.47		0.903	"	"	"	"	"	
Nickel	4.13		0.903	"	"	"	"	"	
Selenium	ND		0.235	"	"	"	"	"	Ua
Silver	ND		0.0903	"	"	"	"	"	Ua
Zinc	ND		33.4	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.174	0.148	0.371	mg/kg dry	1	2653027	08/08/2024	08/14/2024	J
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG05@2.5'
7/15/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0998	mg/L	1	B4G1606	07/16/2024	07/18/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/16/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.52			pH Units	1	B4G1613	07/16/2024	07/17/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.170		0.0100	SAR	1	B4G1609	07/16/2024	07/17/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0493		0.00500	mmhos/cm	1	B4G1613	07/16/2024	07/17/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.05		0.253	mg/kg	10	B4G1536	07/15/2024	07/16/2024	
Barium	32.6		8.72	"	"	"	"	"	
Cadmium	0.184		0.0872	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG05@2.5'
7/15/2024 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-03 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.72	mg/kg	10	B4G1536	07/15/2024	07/16/2024	Ua
Lead	7.05		0.872	"	"	"	"	"	
Nickel	3.06		0.872	"	"	"	"	"	
Selenium	ND		0.227	"	"	"	"	"	Ua
Silver	ND		0.0872	"	"	"	"	"	Ua
Zinc	ND		32.3	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.275	0.159	0.398	mg/kg dry	1	2653027	08/08/2024	08/14/2024	J
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG05@5'
7/15/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0989	mg/L	1	B4G1606	07/16/2024	07/18/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/16/2024	07/17/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.39			pH Units	1	B4G1613	07/16/2024	07/17/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.598		0.0100	SAR	1	B4G1609	07/16/2024	07/17/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0468		0.00500	mmhos/cm	1	B4G1613	07/16/2024	07/17/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.33		0.281	mg/kg	10	B4G1536	07/15/2024	07/16/2024	
Barium	58.6		9.70	"	"	"	"	"	
Cadmium	ND		0.0970	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG05@5'
7/15/2024 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407365-04 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.70	mg/kg	10	B4G1536	07/15/2024	07/16/2024	Ua
Lead	4.92		0.970	"	"	"	"	"	
Nickel	5.22		0.970	"	"	"	"	"	
Selenium	ND		0.252	"	"	"	"	"	Ua
Silver	ND		0.0970	"	"	"	"	"	Ua
Zinc	ND		35.9	"	"	"	"	"	Ua

Total Metals by 7196A

Hexavalent Chromium	0.236	0.163	0.407	mg/kg dry	1	2653027	08/08/2024	08/14/2024	J
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1536 - EPA 3050B

Blank (B4G1536-BLK1)

Prepared: 07/15/2024 Analyzed: 07/16/2024

Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	10.0	"							Ua
Cadmium	ND	0.100	"							Ua
Copper	ND	10.0	"							Ua
Lead	ND	1.00	"							Ua
Nickel	ND	1.00	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.100	"							Ua
Zinc	ND	37.0	"							Ua

LCS (B4G1536-BS1)

Prepared: 07/15/2024 Analyzed: 07/16/2024

Arsenic	5.40	0.290	mg/kg	5.00		108	80-120			
Barium	520	10.0	"	500		104	80-120			
Cadmium	5.06	0.100	"	5.00		101	80-120			
Copper	53.1	10.0	"	50.0		106	80-120			
Lead	5.06	1.00	"	5.00		101	80-120			
Nickel	5.41	1.00	"	5.00		108	80-120			
Selenium	5.21	0.260	"	5.00		104	80-120			
Silver	5.34	0.100	"	5.00		107	80-120			
Zinc	54.6	37.0	"	50.0		109	80-120			

Matrix Spike (B4G1536-MS1)

Source: Y407361-01

Prepared: 07/15/2024 Analyzed: 07/16/2024

Arsenic	19.5	0.257	mg/kg	4.43	16.7	64.2	75-125			QM-07
Barium	528	8.85	"	443	60.3	106	75-125			
Cadmium	4.73	0.0885	"	4.43	0.0662	105	75-125			
Copper	61.0	8.85	"	44.3	18.9	95.0	75-125			
Lead	21.5	0.885	"	4.43	18.2	74.7	75-125			QM-07

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1536 - EPA 3050B

Matrix Spike (B4G1536-MS1)

Source: Y407361-01

Prepared: 07/15/2024 Analyzed: 07/16/2024

Nickel	18.2	0.885	mg/kg	4.43	15.0	70.4	75-125			QM-07
Selenium	4.80	0.230	"	4.43	0.197	104	75-125			
Silver	5.06	0.0885	"	4.43	0.0513	113	75-125			
Zinc	115	32.8	"	44.3	78.0	83.3	75-125			

Matrix Spike Dup (B4G1536-MSD1)

Source: Y407361-01

Prepared: 07/15/2024 Analyzed: 07/16/2024

Arsenic	19.5	0.287	mg/kg	4.94	16.7	55.9	75-125	0.403	20	QM-07
Barium	557	9.89	"	494	60.3	100	75-125	5.30	20	
Cadmium	5.00	0.0989	"	4.94	0.0662	99.7	75-125	5.43	20	
Copper	65.2	9.89	"	49.4	18.9	93.6	75-125	6.64	20	
Lead	20.4	0.989	"	4.94	18.2	44.9	75-125	5.18	20	QM-07
Nickel	18.5	0.989	"	4.94	15.0	70.5	75-125	2.00	20	QM-07
Selenium	4.97	0.257	"	4.94	0.197	96.5	75-125	3.45	20	
Silver	5.31	0.0989	"	4.94	0.0513	106	75-125	4.85	20	
Zinc	115	36.6	"	49.4	78.0	74.0	75-125	0.241	20	QM-07

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1606 - DTPA Sorbitol Preparation

Blank (B4G1606-BLK1)

Prepared: 07/16/2024 Analyzed: 07/18/2024

Boron	ND	0.100	mg/L							Ua
-------	----	-------	------	--	--	--	--	--	--	----

Duplicate (B4G1606-DUP1)

Source: Y407338-01

Prepared: 07/16/2024 Analyzed: 07/18/2024

Boron	0.427	0.100	mg/L		0.582			30.6	50	
-------	-------	-------	------	--	-------	--	--	------	----	--

Batch B4G1609 - Saturated Paste Metals

Blank (B4G1609-BLK1)

Prepared: 07/16/2024 Analyzed: 07/17/2024

Calcium PPM	ND	10.0	mg/L							Ua
-------------	----	------	------	--	--	--	--	--	--	----

SAR	ND	0.0100	SAR							Ua
-----	----	--------	-----	--	--	--	--	--	--	----

Magnesium PPM	ND	10.0	mg/L							Ua
---------------	----	------	------	--	--	--	--	--	--	----

Sodium PPM	ND	10.0	"							Ua
------------	----	------	---	--	--	--	--	--	--	----

Duplicate (B4G1609-DUP1)

Source: Y407362-04

Prepared: 07/16/2024 Analyzed: 07/17/2024

Calcium PPM	19.9	10.0	mg/L		21.3			6.94	50	
-------------	------	------	------	--	------	--	--	------	----	--

SAR	ND	0.0100	SAR		2.11				200	Ua
-----	----	--------	-----	--	------	--	--	--	-----	----

Magnesium PPM	3.86	10.0	mg/L		3.82			1.04	50	Ua
---------------	------	------	------	--	------	--	--	------	----	----

Sodium PPM	38.2	10.0	"		40.3			5.17	50	
------------	------	------	---	--	------	--	--	------	----	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4G1613 - Saturated Paste pH/EC										
Blank (B4G1613-BLK1)					Prepared: 07/16/2024 Analyzed: 07/17/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
Duplicate (B4G1613-DUP1)					Source: Y407362-04 Prepared: 07/16/2024 Analyzed: 07/17/2024					
pH	8.40		pH Units		8.43			0.357	25	
Specific Conductance (EC)	0.327	0.00500	mmhos/cm		0.341			4.13	25	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Total Metals by 7196A - Quality Control
GEL Laboratories, LLC

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

Batch 2653027 - SW846 3060A

BLANK (1205814709-BLK)

Prepared: 08/08/2024 Analyzed: 08/14/2024

Hexavalent Chromium	ND	0.392	mg/kg				-			U
---------------------	----	-------	-------	--	--	--	---	--	--	---

LCS (1205814710-BKS)

Prepared: 08/08/2024 Analyzed: 08/14/2024

Hexavalent Chromium	2.70	0.276	mg/kg	2.76		97.9	80-120			
---------------------	------	-------	-------	------	--	------	--------	--	--	--

DUP (1205814711 D)

Source: Y407365-01

Prepared: 08/08/2024 Analyzed: 08/14/2024

Hexavalent Chromium	0.232	0.493	mg/kg dry		0.286		0-50	20.9	50	J
---------------------	-------	-------	-----------	--	-------	--	------	------	----	---

MS (1205814712 S)

Source: Y407365-01

Prepared: 08/08/2024 Analyzed: 08/14/2024

Hexavalent Chromium	3.74	0.425	mg/kg dry	4.25	0.286	81.3	75-125			
---------------------	------	-------	-----------	------	-------	------	--------	--	--	--

DUP (1205814713 D)

Source: Y407365-02

Prepared: 08/08/2024 Analyzed: 08/14/2024

Hexavalent Chromium	0.217	0.374	mg/kg dry		0.174		0-50	21.6	50	J
---------------------	-------	-------	-----------	--	-------	--	------	------	----	---

MS (1205814714 S)

Source: Y407365-02

Prepared: 08/08/2024 Analyzed: 08/14/2024

Hexavalent Chromium	4.11	0.467	mg/kg dry	4.67	0.174	84.3	75-125			
---------------------	------	-------	-----------	------	-------	------	--------	--	--	--

ILCS (1205814715-ILCS)

Prepared: 08/08/2024 Analyzed: 08/14/2024

Hexavalent Chromium	4.30	0.215	mg/kg	4.36		98.5	80-120			
---------------------	------	-------	-------	------	--	------	--------	--	--	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1
Wellhead

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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 Greater than the detection limit but less than the reporting limit

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, Project Manager

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

August 19, 2024

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - Anderson Adolph Facility & Project Number - 09A1417745
Unit 1 Wellhead**

Attached are your analytical results for KMG - Anderson Adolph Facility & Unit 1 Wellhead received by Origins Laboratory, Inc. July 17, 2024. This project is associated with Origins project number Y407444-01.

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



Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWV-S01@2'	Y407444-01	Soil	July 17, 2024 13:45	07/17/2024 15:43
PWV-B01@4'	Y407444-02	Soil	July 17, 2024 13:50	07/17/2024 15:43
AST01@0.5'	Y407444-03	Soil	July 17, 2024 13:55	07/17/2024 15:43
DL01@4'	Y407444-04	Soil	July 17, 2024 14:00	07/17/2024 15:43
SEP01-INLET@4'	Y407444-05	Soil	July 17, 2024 14:05	07/17/2024 15:43
SEP01-OUTLET@4'	Y407444-06	Soil	July 17, 2024 14:10	07/17/2024 15:43
SEP01-RISER@4'	Y407444-07	Soil	July 17, 2024 14:15	07/17/2024 15:43
SEP01-INLET@4'-V	Y407444-08	Soil	July 17, 2024 14:20	07/17/2024 15:43
SEP01-OUTLET@4'-V	Y407444-09	Soil	July 17, 2024 14:25	07/17/2024 15:43
SEP01-RISER@4'-V	Y407444-10	Soil	July 17, 2024 14:30	07/17/2024 15:43
DL01@4-V	Y407444-11	Soil	July 17, 2024 14:35	07/17/2024 15:43
NATIVE-BG06@2.5'	Y407444-12	Soil	July 17, 2024 14:40	07/17/2024 15:43
NATIVE-BG06@5'	Y407444-13	Soil	July 17, 2024 14:45	07/17/2024 15:43
NATIVE-BG07@2.5'	Y407444-14	Soil	July 17, 2024 14:50	07/17/2024 15:43

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NATIVE-BG07@5'	Y407444-15	Soil	July 17, 2024 14:55	07/17/2024 15:43
NATIVE-BG08@2.5'	Y407444-16	Soil	July 17, 2024 15:00	07/17/2024 15:43
NATIVE-BG08@5'	Y407444-17	Soil	July 17, 2024 15:05	07/17/2024 15:43
NATIVE-BG09@2.5'	Y407444-18	Soil	July 17, 2024 15:10	07/17/2024 15:43
NATIVE-BG09@5'	Y407444-19	Soil	July 17, 2024 15:15	07/17/2024 15:43
TB-BG01@0.5'	Y407444-20	Soil	July 17, 2024 15:20	07/17/2024 15:43

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

ORIGINS

LABORATORY INC

ORIGINS WORK ORDER #
 440444

Page 1 of 2

Client: Ensolum

Project Manager: J. Espinoza

Key:

Address: _____

Project Name: Anderson Adolph Facility & Anderson Adolph unit wellhead

W=Water

Telephone Number: _____

Collected By: HK

SW=Surface Water

Email Address: KMGTEAM

Invoice/Billing Info: IMPACTED

WW=Waste Water

S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

L=Liquid

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis		Comments
							+	-	
1	PW-SOIL-2'	7/17/24	1345	3	S	unp	X		
2	PW-BOIL-4'		1350						
3	ASTOIL-CO, 5'		1355						
4	DLOIL-4'		1400						
5	SEPOI-INLET-4'		1405						
6	SEPOI-OUTLET-4'		1410						
7	SEPOI-RISER-4'		1415						
8	SEPOI-INLET-4'-V		1420						
9	SEPOI-OUTLET-4'-V		1425						
10	SEPOI-RISER-4'-V		1430						

Requisitioned By: [Signature] Date: 7/17/24 Time: 1543
 Received By: [Signature] Date: 7/17/24 Time: 1543
 Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr
 Temp Received: 01 Received On Ice? Yes No

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

ORIGINS

ORIGINS WORK ORDER #

Page 2 of 2

Client: ENSULUM

Address:

Project Manager: J. Espinoza

Key:

Project Name: Anderson Adolph Facility

W=Water

Project Number: Anderson Adolph Unit 1 Wellhead 09A1417745

SW=Surface Water

Collected By: HK

WW=Waste Water

Telephone Number:

Invoice/Billing Info: Impacted

L=Liquid

Email Address: KMATEM

S=soil | SO=soil | O=oil | A=air | G=gas | UNP=unpres | HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

#	Sample ID	Date Sampled	Time Sampled	# of Containers	Matrix	Preservative	Analysis		Comments
							Date	Time	
1	DLO14-V	7/17/24	1435	2	S. WAP	X			
2	NATIVE-REG0825'	1440				X			
3	NATIVE-REG0825'	1445							
4	NATIVE-REG0825'	1450							
5	NATIVE-REG0825'	1455							
6	NATIVE-REG0825'	1500							
7	NATIVE-REG0825'	1505							Sample added
8	NATIVE-REG0825'	1510							EX. HERRON
9	NATIVE-REG0825'	1515							MUSKIE IN
10	TR-BM105'	1520							2-11-

Relinquished By: [Signature] Date: 7/17/24 Time: 1543
Received By: [Signature] Date: 7/17/24 Time: 1543

Temp Received: D.I. Received On Ice? Yes No

Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr

Standard For Lab Sample Receiving Only: 1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4407444

Client: Ensolum

Client Project ID: Anderson Adolph Fac. + Wt

Checklist Completed by: TJP / JAH

Shipped Via: TJP

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

Date/time completed: 7/17/12

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 10.1 °C _____ / _____ °C _____ / _____ °C (Describe) _____ °C

Thermometer ID: 7005

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

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 7/17/12

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-S01@2'
7/17/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1756	07/17/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: *o*-Terphenyl 109 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G1755	"	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 77.6 % 70-130 " " "

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-S01@2'

7/17/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.6 %		70-130			B4G17 55	07/17/2024	07/18/2024	
Surrogate: 4-Bromofluorobenzene	90.7 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]		07/18/2024	07/19/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	ND	0.435	"	"	"		"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1757		07/17/2024	07/17/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"		"	"	Ua
Acenaphthene	ND	0.020	"	"	"		"	"	Ua
Anthracene	ND	0.020	"	"	"		"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"		"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"		"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Chrysene	ND	0.020	"	"	"		"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"		"	"	Ua
Fluoranthene	ND	0.020	"	"	"		"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-S01@2'

7/17/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-01 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4G1757	07/17/2024	07/17/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	99.1 %		60-130			"	"	"	
Surrogate: Anthracene-d10	102 %		60-130			"	"	"	
Surrogate: Pyrene-d10	101 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.50			pH Units	1	B4G1816	07/18/2024	07/18/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.197		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0573		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/18/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-S01@2'

7/17/2024 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	1.81		0.245	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	54.6		8.46	"	"	"	"	"	
Cadmium	ND		0.0846	"	"	"	"	"	Ua
Copper	ND		8.46	"	"	"	"	"	Ua
Lead	4.48		0.846	"	"	"	"	"	
Nickel	4.39		0.846	"	"	"	"	"	
Selenium	ND		0.220	"	"	"	"	"	Ua
Silver	ND		0.0846	"	"	"	"	"	Ua
Zinc	ND		31.3	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.149	0.130	0.326	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-B01@4'

7/17/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-02 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.997	mg/L	10	B4G1806	07/18/2024	07/22/2024	Ua
-------	----	--	-------	------	----	---------	------------	------------	----

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1756	07/17/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: o-Terphenyl	109 %		50-150			"	"	"	
------------------------	-------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G1755	"	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	78.5 %		70-130			"	"	"	
----------------------------------	--------	--	--------	--	--	---	---	---	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-B01@4'

7/17/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.7 %		70-130			B4G17 55	07/17/2024	07/18/2024	
Surrogate: 4-Bromofluorobenzene	91.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]		07/18/2024	07/19/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	ND	0.435	"	"	"		"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1757		07/17/2024	07/17/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"		"	"	Ua
Acenaphthene	ND	0.020	"	"	"		"	"	Ua
Anthracene	ND	0.020	"	"	"		"	"	Ua
Benzo (a) anthracene	ND	0.005	"	"	"		"	"	Ua
Benzo (a) pyrene	ND	0.020	"	"	"		"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Chrysene	ND	0.020	"	"	"		"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"		"	"	Ua
Fluoranthene	ND	0.020	"	"	"		"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-B01@4'

7/17/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-02 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4G1757	07/17/2024	07/17/2024	Ua
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	101 %		60-130			"	"	"	
Surrogate: Anthracene-d10	102 %		60-130			"	"	"	
Surrogate: Pyrene-d10	102 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	100 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.05			pH Units	1	B4G1816	07/18/2024	07/18/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.318		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0483		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/18/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

PWV-B01@4'

7/17/2024 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.11		0.284	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	48.5		9.80	"	"	"	"	"	
Cadmium	ND		0.0980	"	"	"	"	"	Ua
Copper	ND		9.80	"	"	"	"	"	Ua
Lead	5.18		0.980	"	"	"	"	"	
Nickel	4.59		0.980	"	"	"	"	"	
Selenium	ND		0.255	"	"	"	"	"	Ua
Silver	ND		0.0980	"	"	"	"	"	Ua
Zinc	ND		36.3	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.163	0.143	0.357	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

AST01@0.5'
7/17/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1756	07/17/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	106 %		50-150			"	"	"	
--------------------------------	-------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00280		0.00200	mg/kg	1	B4G1755	"	07/18/2024	
1,3,5-Trimethylbenzene	0.00246		0.00200	"	"	"	"	"	
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	0.528		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	80.4 %		70-130			"	"	"	
Surrogate: Toluene-d8	98.7 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

AST01@0.5'
7/17/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	91.5 %		70-130			B4G17 55	07/17/2024	07/18/2024	
---------------------------------	--------	--	--------	--	--	-------------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	0.727	0.499	meq/L	10	[CALC]		07/18/2024	07/19/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	ND	0.435	"	"	"		"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.003	0.002	mg/kg	1	B4G1757		07/17/2024	07/18/2024	
2-Methylnaphthalene	0.005	0.002	"	"	"		"	"	
Acenaphthene	ND	0.020	"	"	"		"	"	Ua
Anthracene	ND	0.020	"	"	"		"	"	Ua
Benzo (a) anthracene	0.007	0.005	"	"	"		"	"	
Benzo (a) pyrene	ND	0.020	"	"	"		"	"	Ua
Benzo (b) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Benzo (k) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Chrysene	ND	0.020	"	"	"		"	"	Ua
Dibenz (a,h) anthracene	ND	0.020	"	"	"		"	"	Ua
Fluoranthene	ND	0.020	"	"	"		"	"	Ua
Fluorene	ND	0.020	"	"	"		"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

AST01@0.5'
7/17/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-03 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	ND		0.020	mg/kg	1	B4G1757	07/17/2024	07/18/2024	Ua
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	ND		0.020	"	"	"	"	"	Ua

Surrogate: Fluorene-d10	100 %		60-130			"	"	"	
Surrogate: Anthracene-d10	102 %		60-130			"	"	"	
Surrogate: Pyrene-d10	99.1 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.10			pH Units	1	B4G1816	07/18/2024	07/18/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.311		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.159		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/18/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.07		0.251	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
---------	------	--	-------	-------	----	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

AST01@0.5'
7/17/2024 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-03 (Soil)

Table 915 metals by EPA 6020B

Barium	48.6		8.65	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Cadmium	0.101		0.0865	"	"	"	"	"	
Copper	ND		8.65	"	"	"	"	"	Ua
Lead	5.66		0.865	"	"	"	"	"	
Nickel	4.55		0.865	"	"	"	"	"	
Selenium	0.238		0.225	"	"	"	"	"	
Silver	ND		0.0865	"	"	"	"	"	Ua
Zinc	ND		32.0	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.133	0.0936	0.234	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	-------	--------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

DL01@4'
7/17/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-04 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

DRO/ORO by EPA 8015D

Diesel (C10-C28)	66.8		25.0	mg/kg	1	B4G1756	07/17/2024	07/18/2024	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: <i>o</i> -Terphenyl	106 %		50-150			"	"	"	
--------------------------------	-------	--	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.312		0.00200	mg/kg	1	B4G1755	"	07/18/2024	
1,3,5-Trimethylbenzene	0.124		0.00200	"	"	"	"	"	
Benzene	0.0657		0.00200	"	"	"	"	"	
Ethylbenzene	0.103		0.00200	"	"	"	"	"	
Toluene	0.0295		0.00200	"	"	"	"	"	
Xylenes, total	0.866		0.00200	"	"	"	"	07/18/2024	
Gasoline Range Hydrocarbons	48.4		5.00	"	25	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	81.9 %		70-130			"	"	07/18/2024	
Surrogate: Toluene-d8	90.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

DL01@4'
7/17/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND	0.823	"	"	"	"	"	
Sodium	ND	0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	0.199	0.020	mg/kg	10	B4G1757	07/17/2024	07/18/2024	
2-Methylnaphthalene	0.511	0.020	"	"	"	"	"	
Acenaphthene	ND	0.200	"	"	"	"	"	R-05, Ua
Anthracene	0.307	0.200	"	"	"	"	"	
Benzo (a) anthracene	2.41	0.050	"	"	"	"	"	
Benzo (a) pyrene	1.73	0.200	"	"	"	"	"	
Benzo (b) fluoranthene	1.85	0.200	"	"	"	"	"	
Benzo (k) fluoranthene	0.824	0.200	"	"	"	"	"	
Chrysene	2.04	0.200	"	"	"	"	"	
Dibenz (a,h) anthracene	0.275	0.200	"	"	"	"	"	
Fluoranthene	3.92	0.200	"	"	"	"	"	
Fluorene	ND	0.200	"	"	"	"	"	R-05, Ua
Indeno (1,2,3-cd) pyrene	1.02	0.200	"	"	"	"	"	
Naphthalene	0.114	0.020	"	"	"	"	"	
Pyrene	2.83	0.200	"	"	"	"	"	
Surrogate: Fluorene-d10	99.7 %	60-130			"	"	"	
Surrogate: Anthracene-d10	102 %	60-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

DL01@4'
7/17/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-04 (Soil)

PAH by EPA 8270E

Surrogate: Pyrene-d10	102 %		60-130			B4G17 57	07/17/2024	07/18/2024	
Surrogate: Benzo (a) pyrene-d12	103 %		60-130			"	"	"	

pH in Soil by 9045D

pH	6.21			pH Units	1	B4G1816	07/18/2024	07/18/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.302		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0889		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/18/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.17		0.255	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	47.2		8.81	"	"	"	"	"	
Cadmium	0.0942		0.0881	"	"	"	"	"	
Copper	ND		8.81	"	"	"	"	"	Ua
Lead	5.86		0.881	"	"	"	"	"	
Nickel	5.27		0.881	"	"	"	"	"	
Selenium	ND		0.229	"	"	"	"	"	Ua
Silver	ND		0.0881	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

DL01@4'

7/17/2024 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-04 (Soil)

Table 915 metals by EPA 6020B

Zinc	ND		32.6	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
------	----	--	------	-------	----	---------	------------	------------	----

Total Metals 7196A

Hexavalent Chromium	ND	0.166	0.416	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-INLET@4'
7/17/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1756	07/17/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: *o*-Terphenyl 108 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G1755	"	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 77.0 % 70-130 " " "

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-INLET@4'
7/17/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.1 %		70-130			B4G17 55	07/17/2024	07/18/2024	
Surrogate: 4-Bromofluorobenzene	91.2 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]		07/18/2024	07/19/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	ND	0.435	"	"	"		"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1757		07/17/2024	07/18/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"		"	"	Ua
Acenaphthene	ND	0.020	"	"	"		"	"	Ua
Anthracene	ND	0.020	"	"	"		"	"	Ua
Benzo (a) anthracene	0.035	0.005	"	"	"		"	"	
Benzo (a) pyrene	0.041	0.020	"	"	"		"	"	
Benzo (b) fluoranthene	0.039	0.020	"	"	"		"	"	
Benzo (k) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Chrysene	0.032	0.020	"	"	"		"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"		"	"	Ua
Fluoranthene	0.047	0.020	"	"	"		"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-INLET@4'
7/17/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-05 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4G1757	07/17/2024	07/18/2024	Ua
Indeno (1,2,3-cd) pyrene	0.028		0.020	"	"	"	"	"	
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	0.043		0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	101 %		60-130			"	"	"	
Surrogate: Anthracene-d10	102 %		60-130			"	"	"	
Surrogate: Pyrene-d10	100 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	104 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.38			pH Units	1	B4G1816	07/18/2024	07/18/2024	
----	-------------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.713		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	--------------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0861		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/18/2024	
---------------------------	---------------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-INLET@4'
7/17/2024 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.50		0.258	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	49.1		8.89	"	"	"	"	"	
Cadmium	0.0889		0.0889	"	"	"	"	"	
Copper	ND		8.89	"	"	"	"	"	Ua
Lead	7.75		0.889	"	"	"	"	"	
Nickel	6.81		0.889	"	"	"	"	"	
Selenium	ND		0.231	"	"	"	"	"	Ua
Silver	ND		0.0889	"	"	"	"	"	Ua
Zinc	ND		32.9	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.163	0.142	0.355	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-OUTLET@4'
7/17/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-06 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0992	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1756	07/17/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: *o*-Terphenyl 109 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G1755	"	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 77.7 % 70-130 " " "

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-OUTLET@4'
7/17/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.1 %		70-130			B4G17 55	07/17/2024	07/18/2024	
Surrogate: 4-Bromofluorobenzene	90.4 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	1.50		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.489		0.435	"	"	"	"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4G1757	07/17/2024	07/18/2024	Ua
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	Ua
Acenaphthene	ND		0.020	"	"	"	"	"	Ua
Anthracene	ND		0.020	"	"	"	"	"	Ua
Benzo (a) anthracene	0.044		0.005	"	"	"	"	"	
Benzo (a) pyrene	0.033		0.020	"	"	"	"	"	
Benzo (b) fluoranthene	0.035		0.020	"	"	"	"	"	
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	Ua
Chrysene	0.037		0.020	"	"	"	"	"	
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	Ua
Fluoranthene	0.083		0.020	"	"	"	"	"	
Fluorene	ND		0.020	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-OUTLET@4'
7/17/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-06 (Soil)

PAH by EPA 8270E

Indeno (1,2,3-cd) pyrene	0.021		0.020	mg/kg	1	B4G1757	07/17/2024	07/18/2024	
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	0.070		0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	98.1 %		60-130			"	"	"	
Surrogate: Anthracene-d10	101 %		60-130			"	"	"	
Surrogate: Pyrene-d10	105 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	108 %		60-130			"	"	"	

pH in Soil by 9045D

pH	8.52			pH Units	1	B4G1816	07/18/2024	07/18/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.493		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.244		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/18/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.44		0.283	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
---------	------	--	-------	-------	----	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-OUTLET@4'
7/17/2024 2:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-06 (Soil)

Table 915 metals by EPA 6020B

Barium	54.7		9.76	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Cadmium	0.101		0.0976	"	"	"	"	"	
Copper	ND		9.76	"	"	"	"	"	Ua
Lead	5.44		0.976	"	"	"	"	"	
Nickel	5.34		0.976	"	"	"	"	"	
Selenium	ND		0.254	"	"	"	"	"	Ua
Silver	ND		0.0976	"	"	"	"	"	Ua
Zinc	ND		36.1	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.161	0.141	0.351	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	-------	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-RISER@4'
7/17/2024 2:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-07 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0997	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4G1756	07/17/2024	07/18/2024	Ua
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	Ua

Surrogate: *o*-Terphenyl 114 % 50-150 " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4G1755	"	07/18/2024	Ua
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Benzene	ND		0.00200	"	"	"	"	"	Ua
Ethylbenzene	ND		0.00200	"	"	"	"	"	Ua
Toluene	ND		0.00200	"	"	"	"	"	Ua
Xylenes, total	ND		0.00200	"	"	"	"	"	Ua
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4 78.5 % 70-130 " " "

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-RISER@4'
7/17/2024 2:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.6 %		70-130			B4G17 55	07/17/2024	07/18/2024	
Surrogate: 4-Bromofluorobenzene	90.8 %		70-130			"	"	"	

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]		07/18/2024	07/19/2024	
Magnesium	ND	0.823	"	"	"		"	"	
Sodium	ND	0.435	"	"	"		"	"	

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B4G1757		07/17/2024	07/18/2024	Ua
2-Methylnaphthalene	ND	0.002	"	"	"		"	"	Ua
Acenaphthene	ND	0.020	"	"	"		"	"	Ua
Anthracene	ND	0.020	"	"	"		"	"	Ua
Benzo (a) anthracene	0.033	0.005	"	"	"		"	"	
Benzo (a) pyrene	0.036	0.020	"	"	"		"	"	
Benzo (b) fluoranthene	0.035	0.020	"	"	"		"	"	
Benzo (k) fluoranthene	ND	0.020	"	"	"		"	"	Ua
Chrysene	0.031	0.020	"	"	"		"	"	
Dibenz (a,h) anthracene	ND	0.020	"	"	"		"	"	Ua
Fluoranthene	0.044	0.020	"	"	"		"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-RISER@4'
7/17/2024 2:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-07 (Soil)

PAH by EPA 8270E

Fluorene	ND		0.020	mg/kg	1	B4G1757	07/17/2024	07/18/2024	Ua
Indeno (1,2,3-cd) pyrene	0.026		0.020	"	"	"	"	"	
Naphthalene	ND		0.002	"	"	"	"	"	Ua
Pyrene	0.041		0.020	"	"	"	"	"	

Surrogate: Fluorene-d10	94.6 %		60-130			"	"	"	
Surrogate: Anthracene-d10	109 %		60-130			"	"	"	
Surrogate: Pyrene-d10	106 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	103 %		60-130			"	"	"	

pH in Soil by 9045D

pH	7.81			pH Units	1	B4G1816	07/18/2024	07/18/2024	
----	-------------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.678		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	--------------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.110		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/18/2024	
---------------------------	--------------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-RISER@4'
7/17/2024 2:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.50		0.249	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	52.5		8.58	"	"	"	"	"	
Cadmium	0.0996		0.0858	"	"	"	"	"	
Copper	ND		8.58	"	"	"	"	"	Ua
Lead	5.99		0.858	"	"	"	"	"	
Nickel	5.34		0.858	"	"	"	"	"	
Selenium	ND		0.223	"	"	"	"	"	Ua
Silver	ND		0.0858	"	"	"	"	"	Ua
Zinc	ND		31.8	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.143	0.359	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-INLET@4'-V
7/17/2024 2:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-08 (Soil)

pH in Soil by 9045D

pH	7.64			pH Units	1	B4G2224	07/22/2024	07/22/2024	
----	------	--	--	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-OUTLET@4'-V
7/17/2024 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-09 (Soil)

pH in Soil by 9045D

pH	8.39			pH Units	1	B4G2224	07/22/2024	07/22/2024	
----	------	--	--	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

SEP01-RISER@4'-V
7/17/2024 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-10 (Soil)

pH in Soil by 9045D

pH	7.50			pH Units	1	B4G2224	07/22/2024	07/22/2024	
----	------	--	--	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

DL01@4-V

7/17/2024 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-11 (Soil)

pH in Soil by 9045D

pH	6.58			pH Units	1	B4G2224	07/22/2024	07/22/2024	
----	------	--	--	----------	---	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG06@2.5'
7/17/2024 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-12 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0984	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.62			pH Units	1	B4G1816	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.221		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0713		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/19/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.43		0.255	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	42.6		8.80	"	"	"	"	"	
Cadmium	ND		0.0880	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG06@2.5'
7/17/2024 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-12 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.80	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	3.82		0.880	"	"	"	"	"	
Nickel	3.21		0.880	"	"	"	"	"	
Selenium	ND		0.229	"	"	"	"	"	Ua
Silver	ND		0.0880	"	"	"	"	"	Ua
Zinc	ND		32.6	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.247	0.146	0.364	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG06@5'
7/17/2024 2:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-13 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0998	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.09			pH Units	1	B4G1816	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.171		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0989		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/19/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.76		0.272	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	37.5		9.39	"	"	"	"	"	
Cadmium	ND		0.0939	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG06@5'
7/17/2024 2:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-13 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.39	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	5.01		0.939	"	"	"	"	"	
Nickel	3.47		0.939	"	"	"	"	"	
Selenium	ND		0.244	"	"	"	"	"	Ua
Silver	ND		0.0939	"	"	"	"	"	Ua
Zinc	ND		34.7	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.129	0.323	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG07@2.5'
7/17/2024 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-14 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.32			pH Units	1	B4G1816	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.183		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0859		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/19/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.19		0.254	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	41.1		8.77	"	"	"	"	"	
Cadmium	0.0912		0.0877	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG07@2.5'
7/17/2024 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-14 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.77	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	5.30		0.877	"	"	"	"	"	
Nickel	4.33		0.877	"	"	"	"	"	
Selenium	ND		0.228	"	"	"	"	"	Ua
Silver	ND		0.0877	"	"	"	"	"	Ua
Zinc	ND		32.4	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.200	0.500	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG07@5'
7/17/2024 2:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-15 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.100	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.37			pH Units	1	B4G1816	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.349		0.0100	SAR	1	B4G1811	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0483		0.00500	mmhos/cm	1	B4G1816	07/18/2024	07/19/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.38		0.283	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	71.0		9.74	"	"	"	"	"	
Cadmium	ND		0.0974	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG07@5'
7/17/2024 2:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-15 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.74	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	5.04		0.974	"	"	"	"	"	
Nickel	4.46		0.974	"	"	"	"	"	
Selenium	ND		0.253	"	"	"	"	"	Ua
Silver	ND		0.0974	"	"	"	"	"	Ua
Zinc	ND		36.0	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.170	0.148	0.370	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG08@2.5'
7/17/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-16 (Soil)

Boron (DTPA Sorbitol)

Boron	0.112		0.0992	mg/L	1	B4G1806	07/18/2024	07/19/2024	
-------	-------	--	--------	------	---	---------	------------	------------	--

Metals by Saturated Paste by EPA 6010

Calcium	0.528		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.87			pH Units	1	B4G1817	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.485		0.0100	SAR	1	B4G1812	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.135		0.00500	mmhos/cm	1	B4G1817	07/18/2024	07/19/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.37		0.285	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	44.4		9.82	"	"	"	"	"	
Cadmium	ND		0.0982	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG08@2.5'
7/17/2024 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-16 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.82	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	6.04		0.982	"	"	"	"	"	
Nickel	4.56		0.982	"	"	"	"	"	
Selenium	ND		0.255	"	"	"	"	"	Ua
Silver	ND		0.0982	"	"	"	"	"	Ua
Zinc	ND		36.3	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	0.146	0.128	0.320	mg/kg dry	1	2656641	08/15/2024	08/16/2024	J
---------------------	--------------	--------------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG08@5'
7/17/2024 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-17 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.101	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	-------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.64			pH Units	1	B4G1817	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.235		0.0100	SAR	1	B4G1812	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.107		0.00500	mmhos/cm	1	B4G1817	07/18/2024	07/19/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.18		0.274	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	45.1		9.44	"	"	"	"	"	
Cadmium	ND		0.0944	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG08@5'
7/17/2024 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-17 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.44	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	5.33		0.944	"	"	"	"	"	
Nickel	4.33		0.944	"	"	"	"	"	
Selenium	ND		0.246	"	"	"	"	"	Ua
Silver	ND		0.0944	"	"	"	"	"	Ua
Zinc	ND		34.9	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.110	0.274	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG09@2.5'
7/17/2024 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-18 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0989	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.67			pH Units	1	B4G1817	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.181		0.0100	SAR	1	B4G1812	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.0775		0.00500	mmhos/cm	1	B4G1817	07/18/2024	07/19/2024	
---------------------------	--------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	1.70		0.274	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	49.6		9.45	"	"	"	"	"	
Cadmium	ND		0.0945	"	"	"	"	"	Ua

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG09@2.5'
7/17/2024 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-18 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		9.45	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	4.47		0.945	"	"	"	"	"	
Nickel	3.48		0.945	"	"	"	"	"	
Selenium	ND		0.246	"	"	"	"	"	Ua
Silver	ND		0.0945	"	"	"	"	"	Ua
Zinc	ND		35.0	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.130	0.326	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG09@5'
7/17/2024 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-19 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0988	mg/L	1	B4G1806	07/18/2024	07/19/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	7.46			pH Units	1	B4G1817	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.156		0.0100	SAR	1	B4G1812	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.138		0.00500	mmhos/cm	1	B4G1817	07/18/2024	07/19/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.01		0.251	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	39.8		8.67	"	"	"	"	"	
Cadmium	0.132		0.0867	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

NATIVE-BG09@5'
7/17/2024 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-19 (Soil)

Table 915 metals by EPA 6020B

Copper	ND		8.67	mg/kg	10	B4G1761	07/17/2024	07/18/2024	Ua
Lead	6.74		0.867	"	"	"	"	"	
Nickel	3.69		0.867	"	"	"	"	"	
Selenium	ND		0.225	"	"	"	"	"	Ua
Silver	ND		0.0867	"	"	"	"	"	Ua
Zinc	ND		32.1	"	"	"	"	"	Ua

Total Metals 7196A

Hexavalent Chromium	ND	0.121	0.302	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

TB-BG01@0.5'
7/17/2024 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-20 (Soil)

Boron (DTPA Sorbitol)

Boron	ND		0.0988	mg/L	1	B4G1806	07/18/2024	07/22/2024	Ua
-------	----	--	--------	------	---	---------	------------	------------	----

Metals by Saturated Paste by EPA 6010

Calcium	ND		0.499	meq/L	10	[CALC]	07/18/2024	07/19/2024	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	ND		0.435	"	"	"	"	"	

pH in Soil by 9045D

pH	6.27			pH Units	1	B4G1817	07/18/2024	07/19/2024	
----	------	--	--	----------	---	---------	------------	------------	--

SAR by 20B Saturated Paste

SAR	0.567		0.0100	SAR	1	B4G1812	07/18/2024	07/19/2024	
-----	-------	--	--------	-----	---	---------	------------	------------	--

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.100		0.00500	mmhos/cm	1	B4G1817	07/18/2024	07/19/2024	
---------------------------	-------	--	---------	----------	---	---------	------------	------------	--

Table 915 metals by EPA 6020B

Arsenic	2.72		0.269	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Barium	58.6		9.27	"	"	"	"	"	
Cadmium	0.150		0.0927	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

TB-BG01@0.5'
7/17/2024 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y407444-20 (Soil)

Table 915 metals by EPA 6020B

Copper	10.8		9.27	mg/kg	10	B4G1761	07/17/2024	07/18/2024	
Lead	7.50		0.927	"	"	"	"	"	
Nickel	5.21		0.927	"	"	"	"	"	
Selenium	ND		0.241	"	"	"	"	"	Ua
Silver	ND		0.0927	"	"	"	"	"	Ua
Zinc	48.4		34.3	"	"	"	"	"	

Total Metals 7196A

Hexavalent Chromium	ND	0.145	0.362	mg/kg dry	1	2656641	08/15/2024	08/16/2024	U
---------------------	----	-------	-------	-----------	---	---------	------------	------------	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1755 - EPA 5030 (soil)

Blank (B4G1755-BLK1)

Prepared: 07/17/2024 Analyzed: 07/17/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
Benzene	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Naphthalene	ND	0.00380	"							Ua
Toluene	ND	0.00200	"							Ua
Xylenes, total	ND	0.00200	"							Ua
Gasoline Range Hydrocarbons	ND	0.200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.094		"	0.125	75.0		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	100		70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125	89.9		70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1755 - EPA 5030 (soil)

LCS (B4G1755-BS1)

Prepared: 07/17/2024 Analyzed: 07/17/2024

1,2,4-Trimethylbenzene	0.0948	0.00200	mg/kg	0.100		94.8	70-130			
1,3,5-Trimethylbenzene	0.0955	0.00200	"	0.100		95.5	70-130			
Benzene	0.0968	0.00200	"	0.100		96.8	70-130			
Ethylbenzene	0.0956	0.00200	"	0.100		95.6	70-130			
Naphthalene	0.102	0.00380	"	0.100		102	70-130			
Toluene	0.0906	0.00200	"	0.100		90.6	70-130			
o-Xylene	0.0931	0.00200	"	0.100		93.1	70-130			
m,p-Xylene	0.205	0.00400	"	0.200		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.096		"	0.125		76.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.5	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1755 - EPA 5030 (soil)

Matrix Spike (B4G1755-MS1)	Source: Y407438-01			Prepared: 07/17/2024 Analyzed: 07/17/2024						
1,2,4-Trimethylbenzene	0.0880	0.00200	mg/kg	0.100	ND	88.0	70-130			
1,3,5-Trimethylbenzene	0.0872	0.00200	"	0.100	ND	87.2	70-130			
Benzene	0.0939	0.00200	"	0.100	ND	93.9	70-130			
Ethylbenzene	0.0870	0.00200	"	0.100	ND	87.0	70-130			
Naphthalene	0.0994	0.00380	"	0.100	ND	99.4	70-130			
Toluene	0.0872	0.00200	"	0.100	ND	87.2	70-130			
o-Xylene	0.0857	0.00200	"	0.100	ND	85.7	70-130			
m,p-Xylene	0.188	0.00400	"	0.200	ND	94.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.097		"	0.125		77.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		89.6	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1755 - EPA 5030 (soil)

Matrix Spike Dup (B4G1755-MSD1)	Source: Y407438-01			Prepared: 07/17/2024 Analyzed: 07/17/2024						
1,2,4-Trimethylbenzene	0.0849	0.00200	mg/kg	0.100	ND	84.9	70-130	3.63	20	
1,3,5-Trimethylbenzene	0.0848	0.00200	"	0.100	ND	84.8	70-130	2.79	20	
Benzene	0.0889	0.00200	"	0.100	ND	88.9	70-130	5.52	20	
Ethylbenzene	0.0848	0.00200	"	0.100	ND	84.8	70-130	2.61	20	
Naphthalene	0.0974	0.00380	"	0.100	ND	97.4	70-130	2.01	20	
Toluene	0.0866	0.00200	"	0.100	ND	86.6	70-130	0.668	20	
o-Xylene	0.0835	0.00200	"	0.100	ND	83.5	70-130	2.60	20	
m,p-Xylene	0.182	0.00400	"	0.200	ND	91.2	70-130	3.10	20	
Surrogate: 1,2-Dichloroethane-d4	0.097		"	0.125		77.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.6	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1756 - EPA 3550B

Blank (B4G1756-BLK1)

Prepared: 07/17/2024 Analyzed: 07/17/2024

Diesel (C10-C28)	ND	25.0	mg/kg							Ua
Residual Range Organics (C28-C40)	ND	100	"							Ua
Surrogate: o-Terphenyl	28		"	24.9		112	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1756 - EPA 3550B

LCS (B4G1756-BS1)

Prepared: 07/17/2024 Analyzed: 07/17/2024

Diesel (C10-C28)	1010	50.0	mg/kg	1000		101	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000		107	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1756 - EPA 3550B

Matrix Spike (B4G1756-MS1)	Source: Y407438-01			Prepared: 07/17/2024 Analyzed: 07/17/2024						
Diesel (C10-C28)	991	50.0	mg/kg	1000	ND	99.1	70-130			
Residual Range Organics (C28-C40)	1060	200	"	1000	ND	106	70-130			
Surrogate: o-Terphenyl	47		"	49.8		95.3	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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 B4G1756 - EPA 3550B

Matrix Spike Dup (B4G1756-MSD1)	Source: Y407438-01			Prepared: 07/17/2024 Analyzed: 07/17/2024						
Diesel (C10-C28)	1060	50.0	mg/kg	1000	ND	106	70-130	6.39	35	
Residual Range Organics (C28-C40)	1130	200	"	1000	ND	113	70-130	6.14	35	
<i>Surrogate: o-Terphenyl</i>	48		"	49.8		97.4	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

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

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

Batch B4G1761 - EPA 3050B

Blank (B4G1761-BLK1)

Prepared: 07/17/2024 Analyzed: 07/18/2024

Arsenic	ND	0.290	mg/kg							Ua
Barium	ND	10.0	"							Ua
Cadmium	ND	0.100	"							Ua
Copper	ND	10.0	"							Ua
Lead	ND	1.00	"							Ua
Nickel	ND	1.00	"							Ua
Selenium	ND	0.260	"							Ua
Silver	ND	0.100	"							Ua
Zinc	ND	37.0	"							Ua

LCS (B4G1761-BS1)

Prepared: 07/17/2024 Analyzed: 07/18/2024

Arsenic	5.82	0.290	mg/kg	5.00		116	80-120
Barium	576	10.0	"	500		115	80-120
Cadmium	5.77	0.100	"	5.00		115	80-120
Copper	59.3	10.0	"	50.0		119	80-120
Lead	5.57	1.00	"	5.00		111	80-120
Nickel	5.96	1.00	"	5.00		119	80-120
Selenium	5.65	0.260	"	5.00		113	80-120
Silver	5.92	0.100	"	5.00		118	80-120
Zinc	58.0	37.0	"	50.0		116	80-120

Matrix Spike (B4G1761-MS1)

Source: Y407441-01

Prepared: 07/17/2024 Analyzed: 07/18/2024

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1761 - EPA 3050B

Matrix Spike (B4G1761-MS1)		Source: Y407441-01			Prepared: 07/17/2024 Analyzed: 07/18/2024					
Arsenic	7.34	0.273	mg/kg	4.70	2.72	98.4	75-125			
Barium	554	9.40	"	470	73.9	102	75-125			
Cadmium	5.19	0.0940	"	4.70	0.172	107	75-125			
Copper	59.3	9.40	"	47.0	5.71	114	75-125			
Lead	10.1	0.940	"	4.70	5.78	92.1	75-125			
Nickel	14.2	0.940	"	4.70	8.50	121	75-125			
Selenium	5.39	0.244	"	4.70	0.166	111	75-125			
Silver	5.15	0.0940	"	4.70	0.0626	108	75-125			
Zinc	71.4	34.8	"	47.0	22.8	104	75-125			
Matrix Spike Dup (B4G1761-MSD1)		Source: Y407441-01			Prepared: 07/17/2024 Analyzed: 07/18/2024					
Arsenic	7.06	0.275	mg/kg	4.74	2.72	91.5	75-125	3.89	20	
Barium	563	9.49	"	474	73.9	103	75-125	1.48	20	
Cadmium	5.14	0.0949	"	4.74	0.172	105	75-125	1.01	20	
Copper	56.9	9.49	"	47.4	5.71	108	75-125	4.06	20	
Lead	9.91	0.949	"	4.74	5.78	87.1	75-125	1.97	20	
Nickel	11.3	0.949	"	4.74	8.50	59.1	75-125	22.6	20	QR-DUP
Selenium	5.30	0.247	"	4.74	0.166	108	75-125	1.63	20	
Silver	5.14	0.0949	"	4.74	0.0626	107	75-125	0.102	20	
Zinc	67.7	35.1	"	47.4	22.8	94.7	75-125	5.35	20	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1757 - EPA 3580

Blank (B4G1757-BLK1)

Prepared: 07/17/2024 Analyzed: 07/17/2024

1-Methylnaphthalene	ND	0.002	mg/kg							Ua
2-Methylnaphthalene	ND	0.002	"							Ua
Acenaphthene	ND	0.020	"							Ua
Anthracene	ND	0.020	"							Ua
Benzo (a) anthracene	ND	0.005	"							Ua
Benzo (a) pyrene	ND	0.020	"							Ua
Benzo (b) fluoranthene	ND	0.020	"							Ua
Benzo (g,h,i) perylene	ND	0.020	"							Ua
Benzo (k) fluoranthene	ND	0.020	"							Ua
Chrysene	ND	0.020	"							Ua
Dibenz (a,h) anthracene	ND	0.020	"							Ua
Fluoranthene	ND	0.020	"							Ua
Fluorene	ND	0.020	"							Ua
Indeno (1,2,3-cd) pyrene	ND	0.020	"							Ua
Naphthalene	ND	0.002	"							Ua
Phenanthrene	ND	0.020	"							Ua
Pyrene	ND	0.020	"							Ua
Surrogate: Fluorene-d10	200		ug/kg	200		99.4	60-130			
Surrogate: Anthracene-d10	200		"	200		102	60-130			
Surrogate: Pyrene-d10	210		"	200		103	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

LCS (B4G1757-BS1)

Prepared: 07/17/2024 Analyzed: 07/17/2024

1-Methylnaphthalene	0.194	0.002	mg/kg	0.200		97.0	70-130			
2-Methylnaphthalene	0.196	0.002	"	0.200		97.8	70-130			
Acenaphthene	0.194	0.020	"	0.200		96.9	70-130			
Anthracene	0.205	0.020	"	0.200		102	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1757 - EPA 3580

LCS (B4G1757-BS1)

Prepared: 07/17/2024 Analyzed: 07/17/2024

Benzo (a) anthracene	0.201	0.005	mg/kg	0.200		100	70-130			
Benzo (a) pyrene	0.208	0.020	"	0.200		104	70-130			
Benzo (b) fluoranthene	0.192	0.020	"	0.200		96.2	70-130			
Benzo (g,h,i) perylene	0.192	0.020	"	0.200		96.1	70-130			
Benzo (k) fluoranthene	0.188	0.020	"	0.200		93.8	70-130			
Chrysene	0.191	0.020	"	0.200		95.5	70-130			
Dibenz (a,h) anthracene	0.201	0.020	"	0.200		101	70-130			
Fluoranthene	0.199	0.020	"	0.200		99.5	70-130			
Fluorene	0.194	0.020	"	0.200		97.2	70-130			
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200		100	70-130			
Naphthalene	0.193	0.002	"	0.200		96.3	70-130			
Phenanthrene	0.195	0.020	"	0.200		97.5	70-130			
Pyrene	0.199	0.020	"	0.200		99.5	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	210		"	200		103	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

Matrix Spike (B4G1757-MS1)

Source: Y407438-01

Prepared: 07/17/2024 Analyzed: 07/17/2024

1-Methylnaphthalene	0.202	0.002	mg/kg	0.200	ND	101	70-130			
2-Methylnaphthalene	0.202	0.002	"	0.200	ND	101	70-130			
Acenaphthene	0.200	0.020	"	0.200	ND	100	70-130			
Anthracene	0.201	0.020	"	0.200	ND	101	70-130			
Benzo (a) anthracene	0.201	0.005	"	0.200	0.0008	100	70-130			
Benzo (a) pyrene	0.203	0.020	"	0.200	ND	102	70-130			
Benzo (b) fluoranthene	0.205	0.020	"	0.200	0.0005	102	70-130			
Benzo (g,h,i) perylene	0.203	0.020	"	0.200	ND	101	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1757 - EPA 3580

Matrix Spike (B4G1757-MS1)		Source: Y407438-01			Prepared: 07/17/2024 Analyzed: 07/17/2024					
Benzo (k) fluoranthene	0.191	0.020	mg/kg	0.200	ND	95.4	70-130			
Chrysene	0.199	0.020	"	0.200	0.0006	99.1	70-130			
Dibenz (a,h) anthracene	0.195	0.020	"	0.200	ND	97.3	70-130			
Fluoranthene	0.203	0.020	"	0.200	0.0004	101	70-130			
Fluorene	0.201	0.020	"	0.200	ND	101	70-130			
Indeno (1,2,3-cd) pyrene	0.200	0.020	"	0.200	ND	100	70-130			
Naphthalene	0.198	0.002	"	0.200	ND	99.1	70-130			
Phenanthrene	0.200	0.020	"	0.200	ND	100	70-130			
Pyrene	0.205	0.020	"	0.200	ND	103	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.2	60-130			
Surrogate: Anthracene-d10	210		"	200		103	60-130			
Surrogate: Pyrene-d10	200		"	200		101	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			

Matrix Spike Dup (B4G1757-MSD1)		Source: Y407438-01			Prepared: 07/17/2024 Analyzed: 07/17/2024					
1-Methylnaphthalene	0.200	0.002	mg/kg	0.200	ND	99.9	70-130	1.15	20	
2-Methylnaphthalene	0.200	0.002	"	0.200	ND	100	70-130	0.985	20	
Acenaphthene	0.198	0.020	"	0.200	ND	99.1	70-130	0.984	20	
Anthracene	0.205	0.020	"	0.200	ND	103	70-130	1.87	20	
Benzo (a) anthracene	0.196	0.005	"	0.200	0.0008	97.8	70-130	2.21	20	
Benzo (a) pyrene	0.219	0.020	"	0.200	ND	109	70-130	7.27	20	
Benzo (b) fluoranthene	0.197	0.020	"	0.200	0.0005	98.2	70-130	3.85	20	
Benzo (g,h,i) perylene	0.199	0.020	"	0.200	ND	99.5	70-130	1.92	20	
Benzo (k) fluoranthene	0.196	0.020	"	0.200	ND	98.2	70-130	2.89	20	
Chrysene	0.199	0.020	"	0.200	0.0006	99.4	70-130	0.294	20	
Dibenz (a,h) anthracene	0.189	0.020	"	0.200	ND	94.6	70-130	2.79	20	
Fluoranthene	0.207	0.020	"	0.200	0.0004	103	70-130	1.82	20	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

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

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

Batch B4G1757 - EPA 3580

Matrix Spike Dup (B4G1757-MSD1)	Source: Y407438-01			Prepared: 07/17/2024 Analyzed: 07/17/2024						
Fluorene	0.198	0.020	mg/kg	0.200	ND	99.0	70-130	1.61	20	
Indeno (1,2,3-cd) pyrene	0.193	0.020	"	0.200	ND	96.4	70-130	3.78	20	
Naphthalene	0.196	0.002	"	0.200	ND	97.9	70-130	1.22	20	
Phenanthrene	0.201	0.020	"	0.200	ND	100	70-130	0.282	20	
Pyrene	0.207	0.020	"	0.200	ND	103	70-130	0.877	20	
Surrogate: Fluorene-d10	200		ug/kg	200		99.8	60-130			
Surrogate: Anthracene-d10	210		"	200		103	60-130			
Surrogate: Pyrene-d10	200		"	200		102	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1806 - DTPA Sorbitol Preparation

Blank (B4G1806-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

Boron	ND	0.100	mg/L							Ua
-------	----	-------	------	--	--	--	--	--	--	----

Duplicate (B4G1806-DUP1)

Source: Y407440-01

Prepared: 07/18/2024 Analyzed: 07/19/2024

Boron	2.20	0.0997	mg/L		2.21			0.470	50	
-------	------	--------	------	--	------	--	--	-------	----	--

Batch B4G1811 - Saturated Paste Metals

Blank (B4G1811-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

Calcium PPM	ND	10.0	mg/L							Ua
-------------	----	------	------	--	--	--	--	--	--	----

SAR	ND	0.0100	SAR							Ua
-----	----	--------	-----	--	--	--	--	--	--	----

Magnesium PPM	ND	10.0	mg/L							Ua
---------------	----	------	------	--	--	--	--	--	--	----

Sodium PPM	ND	10.0	"							Ua
------------	----	------	---	--	--	--	--	--	--	----

Duplicate (B4G1811-DUP1)

Source: Y407439-10

Prepared: 07/18/2024 Analyzed: 07/19/2024

Calcium PPM	10.4	10.0	mg/L		10.1			3.31	50	
-------------	------	------	------	--	------	--	--	------	----	--

SAR	ND	0.0100	SAR		8.46				200	Ua
-----	----	--------	-----	--	------	--	--	--	-----	----

Magnesium PPM	9.99	10.0	mg/L		10.5			4.79	50	Ua
---------------	------	------	------	--	------	--	--	------	----	----

Sodium PPM	158	10.0	"		161			1.82	50	
------------	-----	------	---	--	-----	--	--	------	----	--

Batch B4G1812 - Saturated Paste Metals

Blank (B4G1812-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

SAR	ND	0.0100	SAR							Ua
-----	----	--------	-----	--	--	--	--	--	--	----

Calcium PPM	ND	10.0	mg/L							Ua
-------------	----	------	------	--	--	--	--	--	--	----

Magnesium PPM	ND	10.0	"							Ua
---------------	----	------	---	--	--	--	--	--	--	----

Sodium PPM	ND	10.0	"							Ua
------------	----	------	---	--	--	--	--	--	--	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1812 - Saturated Paste Metals

Duplicate (B4G1812-DUP1)	Source: Y407417-75			Prepared: 07/18/2024 Analyzed: 07/19/2024						
Calcium PPM	19.1	10.0	mg/L		20.3			6.09	50	
SAR	ND	0.0100	SAR		3.87				200	Ua
Magnesium PPM	6.77	10.0	mg/L		6.65			1.79	50	Ua
Sodium PPM	70.0	10.0	"		78.6			11.6	50	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1816 - Saturated Paste pH/EC

Blank (B4G1816-BLK1)

Prepared: 07/18/2024 Analyzed: 07/18/2024

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
---------------------------	----	---------	----------	--	--	--	--	--	--	----

Duplicate (B4G1816-DUP1)

Source: Y407439-10

Prepared: 07/18/2024 Analyzed: 07/18/2024

pH	8.57		pH Units		8.61			0.466		25
----	------	--	----------	--	------	--	--	-------	--	----

Specific Conductance (EC)	0.814	0.00500	mmhos/cm		0.827			1.54		25
---------------------------	-------	---------	----------	--	-------	--	--	------	--	----

Batch B4G1817 - Saturated Paste pH/EC

Blank (B4G1817-BLK1)

Prepared: 07/18/2024 Analyzed: 07/19/2024

Specific Conductance (EC)	ND	0.00500	mmhos/cm							Ua
---------------------------	----	---------	----------	--	--	--	--	--	--	----

Duplicate (B4G1817-DUP1)

Source: Y407417-75

Prepared: 07/18/2024 Analyzed: 07/19/2024

pH	8.29		pH Units		8.30			0.121		25
----	------	--	----------	--	------	--	--	-------	--	----

Specific Conductance (EC)	0.523	0.00500	mmhos/cm		0.563			7.31		25
---------------------------	-------	---------	----------	--	-------	--	--	------	--	----

Batch B4G2224 - Saturated Paste pH/EC

Duplicate (B4G2224-DUP1)

Source: Y407436-09

Prepared: 07/22/2024 Analyzed: 07/22/2024

pH	8.44		pH Units		8.34			1.19		25
----	------	--	----------	--	------	--	--	------	--	----

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
 11049 W 44th Avenue, Suite 103
 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A1417745
 Project: KMG - Anderson Adolph Facility & Unit 1 Wellhead

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2656641 - SW846 3060A										
BLANK (1205821778-BLK)					Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	ND	0.302	mg/kg				-			U
LCS (1205821779-BKS)					Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	3.79	0.381	mg/kg	3.81		99.3	80-120			
DUP (1205821780 D)					Source: Y407444-01 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	0.149	0.326	mg/kg dry		0.149		0-50	0.0877	50	J
MS (1205821781 S)					Source: Y407444-01 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	2.92	0.326	mg/kg dry	3.26	0.149	84.8	75-125			
DUP (1205821782 D)					Source: Y407444-02 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	0.164	0.357	mg/kg dry		0.163		0-50	0.203	50	J
MS (1205821783 S)					Source: Y407444-02 Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	2.57	0.358	mg/kg dry	3.58	0.163	67.2	75-125			
ILCS (1205821784-ILCS)					Prepared: 08/15/2024 Analyzed: 08/16/2024					
Hexavalent Chromium	6.58	0.321	mg/kg	6.51		101	80-120			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417745
Project: KMG - Anderson Adolph Facility & Unit 1
Wellhead

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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

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

J Greater than the detection limit but less than the reporting limit

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, Project Manager

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