

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
PSC 15-10, FSV 24A 4 O SA FACILITY
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 | | | | | | | | |
| AST01-HATCH | 10/23/2023 | 0.5 | 0.2 | NS | NO | 40.238929 | -104.876632 | N |
| AST01 LOADOUT | 10/23/2023 | 0.5 | 0.4 | NS | NO | 40.238926 | -104.876684 | N |
| AST01@0.5' | 10/23/2023 | 0.5 | 0.9 | NS | NO | 40.238927 | -104.87666 | Y |
| AST02@0.5' | 10/23/2023 | 0.5 | 2.5 | NS | NO | 40.238882 | -104.876634 | Y |
| AST02 LOADOUT | 10/23/2023 | 0.5 | 0.7 | NS | NO | 40.238885 | -104.87668 | N |
| AST02-BASE | 10/23/2023 | 0.5 | 0.8 | NS | NO | 40.238883 | -104.876656 | N |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | |
| N WALL | 10/23/2023 | 2.5 | 276.2 | NS | NO | 40.2388616 | -104.876649 | N |
| E WALL | 10/23/2023 | 2.5 | 110.0 | NS | NO | 40.2388488 | -104.8766317 | N |
| S WALL | 10/23/2023 | 2.5 | 9.5 | NS | NO | 40.2388372 | -104.876649 | N |
| PWV-W01@2.5' | 10/23/2023 | 2.5 | 1145.0 | NS | NO | 40.2388506 | -104.8766654 | Y |
| PWV-B01@5' | 10/23/2023 | 5 | 476.0 | NS | NO | 40.2388504 | -104.8766493 | Y |
| SEPARATOR SAMPLES | | | | | | | | |
| SEP01-INLET@4' | 10/23/2023 | 4 | 0.7 | NS | NO | 40.238525 | -104.876573 | Y |
| SEP01-OUTLET@4' | 10/23/2023 | 4 | 3.7 | NS | NO | 40.238561 | -104.876594 | Y |
| TANK BATTERY SAMPLES | | | | | | | | |
| B01@4' | 12/6/2023 | 4 | 0.6 | NS | NO | 40.238911 | -104.87669 | Y |
| B02@5' | 12/6/2023 | 5 | 0.7 | NS | NO | 40.238879 | -104.876691 | Y |
| B03@6' | 12/6/2023 | 6 | 1.0 | NS | NO | 40.238847 | -104.876693 | Y |
| N01@2' | 12/6/2023 | 2 | 1.3 | NS | NO | 40.238937 | -104.876702 | Y |
| E01@2' | 12/6/2023 | 2 | 4.5 | NS | NO | 40.238904 | -104.876663 | Y |
| E02@3' | 12/6/2023 | 3 | 108.9 | Stain | Odor | 40.238851 | -104.876646 | Y |
| W01@3' | 12/6/2023 | 3 | 1.3 | NS | NO | 40.238853 | -104.876739 | Y |
| W02@2' | 12/6/2023 | 2 | 0.9 | NS | NO | 40.238896 | -104.876738 | Y |
| S01@3' | 12/6/2023 | 3 | 0.8 | NS | NO | 40.238817 | -104.876683 | Y |
| S02@3' | 12/6/2023 | 3 | 0.3 | NS | NO | 40.238818 | -104.876718 | Y |
| E03@3' | 12/28/2023 | 3 | 0.8 | NS | NO | 40.238851 | -104.876625 | Y |
| MISCELLANEOUS SAMPLES | | | | | | | | |
| ECD | 10/23/2023 | 0.5 | 1.2 | NS | NO | 40.238772 | -104.876415 | N |
| MH01-INLET | 10/23/2023 | 0.5 | 0.7 | NS | NO | 40.238500 | -104.876658 | N |
| MH02-INLET | 10/23/2023 | 0.5 | 2.0 | NS | NO | 40.238513 | -104.87663 | N |
| POTHOLE SAMPLES | | | | | | | | |
| FL01@4' | 10/23/2023 | 4 | 169.0 | Stain | Odor | 40.23877047 | -104.876682 | Y |
| FL01-B01@6.5' | 12/6/2023 | 6.5 | 1128.0 | Stain | Odor | 40.238768 | -104.876684 | Y |
| FL01-S01@3.5' | 12/6/2023 | 3.5 | 32.6 | NS | NO | 40.238751 | -104.876682 | Y |

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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) |
|--------------------------------|------------|--------------------|----------------------|-----------------------|--------------------------|-----------|-------------|---|
| FL01-E01@3.5' | 12/6/2023 | 3.5 | 1.3 | NS | NO | 40.238770 | -104.876658 | Y |
| FL01-N01@3.5' | 12/6/2023 | 3.5 | 1.4 | NS | NO | 40.238793 | -104.876684 | Y |
| FL01-W01@3.5' | 12/6/2023 | 3.5 | 1.0 | NS | NO | 40.23877 | -104.876709 | Y |
| FL01-B01@10' | 12/28/2023 | 10 | 805.7 | Stain | Odor | 40.238771 | -104.876684 | Y |
| FL01-N01@9' | 12/28/2023 | 9 | 258.2 | Stain | Odor | 40.238792 | -104.876686 | Y |
| FL01-E01@9' | 12/28/2023 | 9 | 12.7 | NS | NO | 40.238767 | -104.876658 | Y |
| FL01-S01@9' | 12/28/2023 | 9 | 596.2 | Stain | Odor | 40.238752 | -104.876686 | Y |
| FL01-W01@9' | 12/28/2023 | 9 | 86.7 | Stain | Odor | 40.238769 | -104.876713 | Y |
| FL01-B01@13' | 2/2/2024 | 13 | 168.8 | Stain | Odor | 40.23877 | -104.876684 | Y |
| FL01-S02@3.5' | 2/2/2024 | 3.5 | 1.9 | NS | NO | 40.238729 | -104.876689 | Y |
| FL01-S02@9' | 2/2/2024 | 9 | 422.1 | Stain | Odor | 40.238730 | -104.876689 | Y |
| FL01-E02@3.5' | 2/2/2024 | 3.5 | 5.2 | NS | NO | 40.238746 | -104.876637 | Y |
| FL01-E02@9' | 2/2/2024 | 9 | 5.3 | NS | NO | 40.238746 | -104.876637 | Y |
| BACKGROUND SOIL SAMPLES | | | | | | | | |
| TB-BG01@0.5' | 10/23/2023 | 0.5 | 3.0 | NS | NO | 40.238953 | -104.876637 | Y |
| NATIVE-BG01@3' | 10/23/2023 | 3 | 1.6 | NS | NO | 40.238715 | -104.876403 | Y |
| NATIVE-BG01@6' | 10/23/2023 | 6 | 1.3 | NS | NO | 40.238715 | -104.876403 | Y |
| NATIVE-BG02@3' | 10/23/2023 | 3 | 0.6 | NS | NO | 40.238421 | -104.87658 | Y |
| NATIVE-BG02@6' | 10/23/2023 | 6 | 0.4 | NS | NO | 40.238421 | -104.87658 | Y |
| NATIVE-BG03@5' | 12/28/2023 | 5 | 0.0 | NS | NO | 40.238826 | -104.876469 | Y |
| NATIVE-BG03@10' | 12/28/2023 | 10 | 0.0 | NS | NO | 40.238826 | -104.876469 | Y |
| NATIVE-BG04@5' | 12/28/2023 | 5 | 0.0 | NS | NO | 40.238703 | -104.876429 | Y |
| NATIVE-BG04@10' | 12/28/2023 | 10 | 0.0 | NS | NO | 40.238703 | -104.876429 | Y |
| NATIVE-BG05@5' | 12/28/2023 | 5 | 0.0 | NS | NO | 40.238577 | -104.876437 | Y |
| NATIVE-BG05@10' | 12/28/2023 | 10 | 0.0 | NS | NO | 40.238577 | -104.876437 | Y |
| NATIVE-BG06@13' | 2/2/2024 | 13 | 0.5 | NS | NO | 40.238855 | -104.876469 | Y |
| NATIVE-BG07@13' | 2/2/2024 | 13 | 0.4 | NS | NO | 40.238751 | -104.876439 | Y |
| NATIVE-BG08@13' | 2/2/2024 | 13 | 0.4 | NS | NO | 40.238604 | -104.87638 | Y |
| NATIVE-BG09@13' | 2/2/2024 | 13 | 0.5 | NS | NO | 40.238454 | -104.876403 | Y |
| NATIVE-BG10@13' | 2/2/2024 | 13 | NA | NS | NO | 40.238401 | -104.876528 | 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
PSC 15-10FSV, 24A&4 O SA FACILITY
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' | 10/23/2023 | 0.5 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.002 |
| AST02@0.5' | 10/23/2023 | 0.5 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.002 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | | | | | |
| PWV-B01@5' | 10/23/2023 | 5 | 6.13 | 386 | 109 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 0.0101 | 0.039 |
| PWV-W01@2.5' | 10/23/2023 | 2.5 | 1770 | 3420 | 1340 | 0.0570 | <0.0500 | <0.0500 | 27.6 | 17.2 | 8.13 | 1.60 |
| SEPARATOR SAMPLES | | | | | | | | | | | | |
| SEP01-INLET@4' | 10/23/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| SEP01-OUTLET@4' | 10/23/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| TANK BATTERY SAMPLES | | | | | | | | | | | | |
| B01@4' | 12/6/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| B02@5' | 12/6/2023 | 5 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| B03@6' | 12/6/2023 | 6 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| N01@2' | 12/6/2023 | 2 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| E01@2' | 12/6/2023 | 2 | 0.603 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| E02@3' | 12/6/2023 | 3 | 16.9 | 407 | 233 | <0.00200 | <0.00200 | <0.00200 | 0.0912 | 0.0122 | 1.53 | 0.056 |
| W01@3' | 12/6/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| W02@2' | 12/6/2023 | 2 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| S01@3' | 12/6/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| S02@3' | 12/6/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| E03@3' | 12/28/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| POTHOLE SAMPLE | | | | | | | | | | | | |
| FL01@4' | 10/23/2023 | 4 | 0.639 | 34.2 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | 0.012 |
| FL01-B01@6.5' | 12/6/2023 | 6.5 | 225 | 524 | 122 | NA | NA | NA | NA | NA | NA | 0.022 |
| FL01-S01@3.5' | 12/6/2023 | 3.5 | 1.48 | 57.5 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-E01@3.5' | 12/6/2023 | 3.5 | <0.200 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-N01@3.5' | 12/6/2023 | 3.5 | <0.200 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-W01@3.5' | 12/6/2023 | 3.5 | <0.200 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-B01@10' | 12/28/2023 | 10 | 162 | 333 | <100 | NA | NA | NA | NA | NA | NA | 0.003 |
| FL01-N01@9' | 12/28/2023 | 9 | 7.27 | 29.9 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-E01@9' | 12/28/2023 | 9 | <0.200 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-S01@9' | 12/28/2023 | 9 | 493 | 1470 | 540 | <0.00200 | 0.00374 | 0.00348 | 0.339 | 0.00512 | 0.00378 | 0.020 |
| FL01-W01@9' | 12/28/2023 | 9 | 1.29 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-B01@13' | 2/2/2024 | 13 | 3.61 | 27.6 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-S02@3.5' | 2/2/2024 | 3.5 | <0.200 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-S02@9' | 2/2/2024 | 9 | 298 | 1150 | 584 | NA | NA | NA | NA | NA | NA | 0.180 |
| FL01-E02@3.5' | 2/2/2024 | 3.5 | 0.207 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |
| FL01-E02@9' | 2/2/2024 | 9 | <0.200 | <25.0 | <100 | NA | NA | NA | NA | NA | NA | <0.002 |

TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
PSC 15-10FSV, 24A&4 O SA FACILITY
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
PSC 15-10FSV, 24A&4 O SA FACILITY
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' | 10/23/2023 | 0.5 | <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 |
| AST02@0.5' | 10/23/2023 | 0.5 | <0.020 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.009 | 0.023 | <0.020 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | | | | | | | | | |
| PWV-B01@5' | 10/23/2023 | 5 | 0.067 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.069 | <0.020 | 0.285 | 0.397 | <0.020 |
| PWV-W01@2.5' | 10/23/2023 | 2.5 | 0.534 | 0.070 | <0.010 | <0.040 | <0.040 | 0.059 | 0.049 | <0.040 | <0.020 | 0.682 | <0.040 | 3.55 | 6.92 | <0.040 |
| SEPARATOR SAMPLES | | | | | | | | | | | | | | | | |
| SEP01-INLET@4' | 10/23/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEP01-OUTLET@4' | 10/23/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TANK BATTERY SAMPLES | | | | | | | | | | | | | | | | |
| B01@4' | 12/6/2023 | 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 |
| B02@5' | 12/6/2023 | 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 |
| B03@6' | 12/6/2023 | 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 |
| N01@2' | 12/6/2023 | 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 |
| E01@2' | 12/6/2023 | 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 | 0.006 | <0.020 |
| E02@3' | 12/6/2023 | 3 | 0.127 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | 0.02 | <0.020 | <0.020 | 0.136 | <0.020 | 0.445 | 0.553 | <0.020 |
| W01@3' | 12/6/2023 | 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 |
| W02@2' | 12/6/2023 | 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 |
| S01@3' | 12/6/2023 | 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 |
| S02@3' | 12/6/2023 | 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 |
| E03@3' | 12/28/2023 | 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 |
| POTHOLE SAMPLE | | | | | | | | | | | | | | | | |
| FL01@4' | 10/23/2023 | 4 | <0.020 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.024 | 0.053 | <0.020 |
| FL01-B01@6.5' | 12/6/2023 | 6.5 | 0.169 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.252 | <0.020 | 1.42 | 3.00 | <0.020 |
| FL01-S01@3.5' | 12/6/2023 | 3.5 | <0.020 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.002 | 0.003 | <0.020 |
| FL01-E01@3.5' | 12/6/2023 | 3.5 | <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 |
| FL01-N01@3.5' | 12/6/2023 | 3.5 | <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 |
| FL01-W01@3.5' | 12/6/2023 | 3.5 | <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 |
| FL01-B01@10' | 12/28/2023 | 10 | <0.020 | <0.020 | 0.010 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.109 | <0.020 | 0.436 | 0.997 | <0.020 |
| FL01-N01@9' | 12/28/2023 | 9 | <0.020 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.039 | 0.065 | <0.020 |
| FL01-E01@9' | 12/28/2023 | 9 | <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 |
| FL01-S01@9' | 12/28/2023 | 9 | 0.063 | 0.069 | 0.055 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.038 | 0.636 | <0.020 | 3.51 | 7.04 | 0.026 |
| FL01-W01@9' | 12/28/2023 | 9 | <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 |
| FL01-B01@13' | 2/2/2024 | 13 | <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 |
| FL01-S02@3.5' | 2/2/2024 | 3.5 | <0.020 | <0.020 | <0.005 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | 0.006 | 0.011 | <0.020 |
| FL01-S02@9' | 2/2/2024 | 9 | 0.328 | <0.020 | <0.005 | <0.020 | <0.020 | 0.046 | 0.039 | <0.020 | <0.020 | 0.483 | <0.020 | 2.04 | 4.31 | 0.034 |
| FL01-E02@3.5' | 2/2/2024 | 3.5 | <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 |
| FL01-E02@9' | 2/2/2024 | 9 | <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
PSC 15-10FSV, 24A&4 O SA FACILITY
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 |

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
PSC 15-10FSV, 24A&4 O SA FACILITY
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 (TB) | | | 0.125 | 0.159 | 7.85 | NA |
| Site-Specific Background Limits (3-6') | | | 0.800 | 0.726 | 8.24 | 0.183 |
| Site-Specific Background Limits (5-10') | | | 1.52 | 0.726 | 8.19 | 0.183 |
| Site-Specific Background Limits (13') | | | 1.59 | 1.04 | 8.21 | NA |
| ABOVEGROUND STORAGE TANK SAMPLES | | | | | | |
| AST01@0.5' | 10/23/2023 | 0.5 | 1.32 | 0.123 | 4.45 | <0.100 |
| AST02@0.5' | 10/23/2023 | 0.5 | 0.0807 | 0.395 | 5.49 | <0.0991 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | |
| PWV-B01@5' | 10/23/2023 | 5 | 0.635 | 1.47 | 7.86 | 0.154 |
| PWV-W01@2.5' | 10/23/2023 | 2.5 | 1.83 | 28.5 | 7.61 | 2.60 |
| SEPARATOR SAMPLES | | | | | | |
| SEP01-INLET@4' | 10/23/2023 | 4 | 0.287 | 0.164 | 8.07 | <0.0991 |
| SEP01-OUTLET@4' | 10/23/2023 | 4 | 0.634 | 2.45 | 8.13 | 0.760 |
| TANK BATTERY SAMPLES | | | | | | |
| B01@4' | 12/6/2023 | 4 | NA | 0.460 | 8.17 | 0.160 |
| B02@5' | 12/6/2023 | 5 | NA | 1.03 | 8.17 | 0.564 |
| B03@6' | 12/6/2023 | 6 | NA | 1.36 | 7.75 | 0.157 |
| N01@2' | 12/6/2023 | 2 | NA | 1.38 | 7.76 | 0.132 |
| E01@2' | 12/6/2023 | 2 | NA | 0.136 | 7.01 | 0.282 |
| E02@3' | 12/6/2023 | 3 | NA | 6.05 | 7.54 | 0.263 |
| W01@3' | 12/6/2023 | 3 | NA | 1.06 | 6.99 | <0.101 |
| W02@2' | 12/6/2023 | 2 | NA | 1.76 | 7.72 | 0.395 |
| S01@3' | 12/6/2023 | 3 | NA | 0.42 | 8.24 | 0.152 |
| S02@3' | 12/6/2023 | 3 | NA | 0.375 | 8.26 | 0.266 |
| E03@3' | 12/28/2023 | 3 | NA | 0.0642 | 8.27 | <0.100 |
| POTHOLE SAMPLE | | | | | | |
| FL01@4' | 10/23/2023 | 4 | 0.770 | 4.14 | 8.04 | 0.304 |
| FL01-B01@6.5' | 12/6/2023 | 6.5 | NA | NA | NA | 0.107 |
| FL01-S01@3.5' | 12/6/2023 | 3.5 | NA | NA | NA | 0.319 |
| FL01-E01@3.5' | 12/6/2023 | 3.5 | NA | NA | NA | <0.0993 |
| FL01-N01@3.5' | 12/6/2023 | 3.5 | NA | NA | NA | 0.222 |
| FL01-W01@3.5' | 12/6/2023 | 3.5 | NA | NA | NA | <0.0985 |
| FL01-B01@10' | 12/28/2023 | 10 | NA | NA | NA | <0.0999 |
| FL01-N01@9' | 12/28/2023 | 9 | NA | NA | NA | <0.100 |
| FL01-E01@9' | 12/28/2023 | 9 | NA | NA | NA | <0.0986 |
| FL01-S01@9' | 12/28/2023 | 9 | 1.2 | 3.43 | 7.57 | 0.151 |
| FL01-W01@9' | 12/28/2023 | 9 | NA | NA | NA | <0.101 |
| FL01-B01@13' | 2/2/2024 | 13 | NA | NA | NA | <0.0985 |
| FL01-S02@3.5' | 2/2/2024 | 3.5 | NA | NA | NA | 0.149 |
| FL01-S02@9' | 2/2/2024 | 9 | NA | NA | NA | 0.343 |

TABLE 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
PSC 15-10FSV, 24A&4 O SA FACILITY
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 (TB) | | | 0.125 | 0.159 | 7.85 | NA |
| Site-Specific Background Limits (3-6') | | | 0.800 | 0.726 | 8.24 | 0.183 |
| Site-Specific Background Limits (5-10') | | | 1.52 | 0.726 | 8.19 | 0.183 |
| Site-Specific Background Limits (13') | | | 1.59 | 1.04 | 8.21 | NA |
| FL01-E02@3.5' | 2/2/2024 | 3.5 | NA | NA | NA | <0.101 |
| FL01-E02@9' | 2/2/2024 | 9 | NA | NA | NA | <0.0997 |
| BACKGROUND SAMPLES | | | | | | |
| TB-BG01@0.5' | 10/23/2023 | 0.5 | 0.125 | 0.159 | 7.85 | <0.100 |
| NATIVE-BG01@3' | 10/23/2023 | 3 | 0.292 | 0.455 | 8.24 | <0.0986 |
| NATIVE-BG01@6' | 10/23/2023 | 6 | 0.318 | 0.535 | 8.19 | 0.114 |
| NATIVE-BG02@3' | 10/23/2023 | 3 | 0.116 | 0.481 | 7.22 | <0.100 |
| NATIVE-BG02@6' | 10/23/2023 | 6 | 0.129 | 0.55 | 7.18 | <0.101 |
| NATIVE-BG03@5' | 12/28/2023 | 5 | 0.800 | 0.559 | 8.04 | 0.183 |
| NATIVE-BG03@10' | 12/28/2023 | 10 | 0.875 | 0.175 | 8.07 | <0.101 |
| NATIVE-BG04@5' | 12/28/2023 | 5 | 0.318 | 0.726 | 6.90 | <0.101 |
| NATIVE-BG04@10' | 12/28/2023 | 10 | 1.52 | 0.649 | 6.29 | <0.101 |
| NATIVE-BG05@5' | 12/28/2023 | 5 | 0.0987 | 0.631 | 7.28 | <0.101 |
| NATIVE-BG05@10' | 12/28/2023 | 10 | 0.158 | 0.640 | 8.03 | <0.102 |
| NATIVE-BG06@13' | 2/2/2024 | 13 | 1.59 | 0.321 | 4.28 | <0.0998 |
| NATIVE-BG07@13' | 2/2/2024 | 13 | 0.661 | 0.637 | 7.66 | <0.100 |
| NATIVE-BG08@13' | 2/2/2024 | 13 | 0.0613 | 0.721 | 7.15 | <0.100 |
| NATIVE-BG09@13' | 2/2/2024 | 13 | 0.0588 | 0.310 | 7.14 | <0.100 |
| NATIVE-BG10@13' | 2/2/2024 | 13 | 0.271 | 1.04 | 8.21 | <0.100 |

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
PSC 15-10FSV, 24A&4 O SA FACILITY
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 (TB) | | | 2.05 | 47.6 | <0.0875 | <0.296 | <8.75 | <8.75 | <8.75 | 0.0927 | <0.0875 | <87.5 |
| Site-Specific Background Limits (3-6') | | | 2.01 | 61.4 | 0.156 | NA | NA | 8.06 | 5.08 | 0.140 | NA | 30.7 |
| Site-Specific Background Limits (5-10') | | | 2.01 | 61.4 | 0.156 | 0.248 | NA | 8.06 | 5.18 | 0.140 | NA | 30.7 |
| Site-Specific Background Limits (13') | | | 2.28 | 28.3 | NA | NA | NA | 4.07 | 2.33 | NA | NA | 12.9 |
| ABOVEGROUND STORAGE TANK SAMPLES | | | | | | | | | | | | |
| AST01@0.5' | 10/23/2023 | 0.5 | 1.75* | 36.0 | <0.0846 | <0.254 | <8.46 | <8.46 | <8.46 | <0.0846 | <0.0846 | <84.6 |
| AST02@0.5' | 10/23/2023 | 0.5 | 1.77* | 45.0 | 0.103 | <0.347 | <9.09 | <9.09 | <9.09 | <0.0909 | <0.0909 | <90.9 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | | | | | |
| PWV-B01@5' | 10/23/2023 | 5 | 1.86* | 57.6 | 0.143 | <0.303 | <9.06 | 12.8 | <9.06 | 0.163 | <0.0906 | <90.6 |
| PWV-W01@2.5' | 10/23/2023 | 2.5 | 1.67* | 62.7 | 0.153 | <0.284 | <9.45 | 10.4 | <9.45 | 0.113 | <0.0945 | <94.5 |
| SEPARATOR SAMPLES | | | | | | | | | | | | |
| SEP01-INLET@4' | 10/23/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SEP01-OUTLET@4' | 10/23/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TANK BATTERY SAMPLES | | | | | | | | | | | | |
| B01@4' | 12/6/2023 | 4 | 1.62 | 53.6 | 0.181 | NA | NA | 9.83 | NA | 0.774 | NA | NA |
| B02@5' | 12/6/2023 | 5 | 1.69 | 58.3 | 0.107 | NA | NA | 6.71 | NA | 0.516 | NA | NA |
| B03@6' | 12/6/2023 | 6 | 1.72 | 46.3 | 0.201 | NA | NA | 9.79 | NA | 0.727 | NA | NA |
| N01@2' | 12/6/2023 | 2 | 1.37 | 46.7 | 0.151 | NA | NA | 8.83 | NA | 0.638 | NA | NA |
| E01@2' | 12/6/2023 | 2 | 2.10 | 71.7 | 0.383 | NA | NA | 14.9 | NA | 0.753 | NA | NA |
| E02@3' | 12/6/2023 | 3 | 1.12 | 48.4 | 0.0857 | NA | NA | 7.1 | NA | 0.505 | NA | NA |
| W01@3' | 12/6/2023 | 3 | 1.30 | 43.1 | 0.126 | NA | NA | 5.97 | NA | 0.521 | NA | NA |
| W02@2' | 12/6/2023 | 2 | 2.02 | 71.2 | 0.395 | NA | NA | 14.4 | NA | 0.766 | NA | NA |
| S01@3' | 12/6/2023 | 3 | 1.22 | 54.5 | 0.107 | NA | NA | 8.11 | NA | 0.561 | NA | NA |
| S02@3' | 12/6/2023 | 3 | 1.92 | 64.9 | 0.346 | NA | NA | 13.7 | NA | 0.818 | NA | NA |
| E03@3' | 12/28/2023 | 3 | 1.55 | 54.8 | <0.0930 | NA | NA | 6.48 | NA | NA | NA | NA |
| POTHOLE SAMPLES | | | | | | | | | | | | |
| FL01@4' | 10/23/2023 | 4 | 1.96* | 59.5 | 0.120 | <0.357 | <8.93 | 10.3 | <8.93 | <0.0893 | <0.0893 | <89.3 |
| FL01-B01@6.5' | 12/6/2023 | 6.5 | 0.893* | 65.6 | 0.0653 | NA | NA | 7.61 | NA | 0.555 | NA | NA |
| FL01-S01@3.5' | 12/6/2023 | 3.5 | 1.31* | 54.6 | 0.134 | NA | NA | 8.05 | NA | 0.456 | NA | NA |
| FL01-E01@3.5' | 12/6/2023 | 3.5 | 0.732* | 40.6 | 0.0566 | NA | NA | 3.36 | NA | 0.394 | NA | NA |
| FL01-N01@3.5' | 12/6/2023 | 3.5 | 0.893* | 42.8 | 0.0996 | NA | NA | 6.1 | NA | 0.354 | NA | NA |
| FL01-W01@3.5' | 12/6/2023 | 3.5 | 0.909* | 42.7 | 0.0608 | NA | NA | 4.38 | NA | 0.46 | NA | NA |
| FL01-B01@10' | 12/28/2023 | 10 | 5.21 | 137 | 0.174 | NA | NA | 9.61 | 11.3 | NA | NA | 41.3 |
| FL01-N01@9' | 12/28/2023 | 9 | 4.96 | 172 | 0.237 | NA | NA | 29.3 | 13.2 | NA | NA | 58.6 |
| FL01-E01@9' | 12/28/2023 | 9 | 5.68 | 172 | 0.184 | NA | NA | 10.8 | 13.1 | NA | NA | 47.4 |
| FL01-S01@9' | 12/28/2023 | 9 | 1.73* | 65.9 | <0.0986 | <0.5 | <9.86 | 7.47 | 6.56 | <0.986 | <0.986 | 31.3 |
| FL01-W01@9' | 12/28/2023 | 9 | 1.16* | 33.3 | <0.0898 | NA | NA | 6.24 | 3.34 | NA | NA | 17.8 |
| FL01-B01@13' | 2/2/2024 | 13 | 1.27* | 18.4 | <0.0890 | NA | NA | 3.85 | 2.21 | NA | NA | 13.8 |
| FL01-S02@3.5' | 2/2/2024 | 3.5 | 3.28 | 57.0 | 0.0949 | NA | NA | 6.47 | 5.94 | NA | NA | 31.0 |

TABLE 2-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
PSC 15-10FSV, 24A&4 O SA FACILITY
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 (TB) | | | 2.05 | 47.6 | <0.0875 | <0.296 | <8.75 | <8.75 | <8.75 | 0.0927 | <0.0875 | <87.5 |
| Site-Specific Background Limits (3-6') | | | 2.01 | 61.4 | 0.156 | NA | NA | 8.06 | 5.08 | 0.140 | NA | 30.7 |
| Site-Specific Background Limits (5-10') | | | 2.01 | 61.4 | 0.156 | 0.248 | NA | 8.06 | 5.18 | 0.140 | NA | 30.7 |
| Site-Specific Background Limits (13') | | | 2.28 | 28.3 | NA | NA | NA | 4.07 | 2.33 | NA | NA | 12.9 |
| FL01-S02@9' | 2/2/2024 | 9 | 3.04 | 71.2 | <0.0874 | NA | NA | 7.76 | 6.67 | NA | NA | 32.7 |
| FL01-E02@3.5' | 2/2/2024 | 3.5 | 2.00* | 66.3 | 0.0951 | NA | NA | 3.92 | 4.02 | NA | NA | 17.8 |
| FL01-E02@9' | 2/2/2024 | 9 | 2.34 | 44.5 | <0.0940 | NA | NA | 5.12 | 4.13 | NA | NA | 20.7 |
| BACKGROUND SAMPLES | | | | | | | | | | | | |
| TB-BG01@0.5' | 10/23/2023 | 0.5 | 2.05 | 47.6 | <0.0875 | <0.296 | <8.75 | <8.75 | <8.75 | 0.0927 | <0.0875 | <87.5 |
| NATIVE-BG01@3' | 10/23/2023 | 3 | 1.60 | 49.1 | <0.0914 | <0.268 | <9.14 | <9.14 | <9.14 | <0.0914 | <0.0914 | <91.4 |
| NATIVE-BG01@6' | 10/23/2023 | 6 | 1.46 | 22.0 | <0.0914 | <0.281 | <9.14 | <9.14 | <9.14 | <0.0914 | <0.0914 | <91.4 |
| NATIVE-BG02@3' | 10/23/2023 | 3 | 0.661 | 10.1 | <0.0925 | <0.335 | <9.25 | <9.25 | <9.25 | <0.0925 | <0.0925 | <92.5 |
| NATIVE-BG02@6' | 10/23/2023 | 6 | 1.83 | 26.1 | <0.0835 | <0.233 | <8.35 | <8.35 | <8.35 | <0.0835 | <0.0835 | <83.5 |
| NATIVE-BG03@5' | 12/28/2023 | 5 | 2.01 | 61.4 | 0.156 | <0.5 | <8.81 | 8.06 | 5.08 | 0.140 | <0.0881 | 30.7 |
| NATIVE-BG03@10' | 12/28/2023 | 10 | 1.03 | 28.1 | <0.0926 | <0.5 | <9.26 | 3.49 | 2.13 | <0.0926 | <0.0926 | 12.1 |
| NATIVE-BG04@5' | 12/28/2023 | 5 | 1.10 | 12.0 | <0.0857 | <0.5 | <8.57 | 1.92 | 1.14 | <0.0897 | <0.0897 | <8.97 |
| NATIVE-BG04@10' | 12/28/2023 | 10 | 1.58 | 41.9 | 0.0981 | 0.248 | <9.17 | 6.51 | 5.18 | <0.0917 | <0.0917 | 19.9 |
| NATIVE-BG05@5' | 12/28/2023 | 5 | 0.764 | 21.0 | <0.0871 | <0.5 | <8.71 | 1.60 | 1.21 | <0.0871 | <0.0871 | 9.83 |
| NATIVE-BG05@10' | 12/28/2023 | 10 | 0.994 | 27.8 | <0.0877 | <0.5 | <8.77 | 4.16 | 2.54 | <0.0877 | <0.0877 | 15.7 |
| NATIVE-BG06@13' | 2/2/2024 | 13 | 1.78 | 14.0 | <0.0948 | <0.5 | <9.48 | 4.05 | 1.88 | <0.0948 | <0.0948 | 10.2 |
| NATIVE-BG07@13' | 2/2/2024 | 13 | 1.30 | 18.9 | <0.0995 | <0.5 | <9.95 | 3.06 | 1.33 | <0.0995 | <0.0995 | 10.1 |
| NATIVE-BG08@13' | 2/2/2024 | 13 | 1.78 | 16.2 | <0.0877 | <0.5 | <8.77 | 3.11 | 1.13 | <0.0877 | <0.0877 | 11.3 |
| NATIVE-BG09@13' | 2/2/2024 | 13 | 1.24 | 17.2 | <0.0888 | <0.5 | <8.88 | 3.12 | 1.86 | <0.0888 | <0.0888 | 12.9 |
| NATIVE-BG10@13' | 2/2/2024 | 13 | 2.28 | 28.3 | <0.0975 | <0.5 | <9.75 | 4.07 | 2.33 | <0.0975 | <0.0975 | 10.4 |

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 background

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

**TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP**

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|------------|----------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| AW01 | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.72 | 74.51 |
| | 8/14/2015 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.29 | 74.94 |
| | 11/19/2015 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | 74.53 |
| | 2/23/2016 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.52 | 73.71 |
| | 5/11/2016 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.28 | 73.95 |
| | 8/19/2016 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.89 | 74.34 |
| | 11/23/2016 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 25.95 | 73.84 |
| | 2/10/2017 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.85 | 73.31 |
| | 5/2/2017 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/10/2017 | Free Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.65 (0.03) | NA |
| | 11/13/2017 | Free Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.59 (0.03) | NA |
| | 2/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.67 | 74.54 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.38 | 74.83 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.06 | 75.15 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 21.87 | 75.34 |
| | 2/11/2021 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.77 | 74.44 |
| AW02 | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.51 | 74.53 |
| AW03 | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.38 | 74.46 |
| AW04 | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.56 | 74.56 |
| | 8/14/2015 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.13 | 74.99 |
| | 11/19/2015 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | 74.57 |
| | 2/23/2016 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.38 | 73.74 |
| | 5/11/2016 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.13 (0.03) | 74.01 |
| | 8/19/2016 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.74 (0.02) | 74.40 |
| | 11/23/2016 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 25.72 (0.02) | 73.88 |
| | 2/10/2017 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.01 | 73.01 |
| | 5/2/2017 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/10/2017 | Free Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.46 (0.03) | 73.58 |
| | 11/13/2017 | Free Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.42 (0.03) | 73.62 |
| | 2/4/2020 | <1.00 | 1.74 | 4.33 | 1.28 | NA | NA | NA | NA | NA | NA | 23.30 | 73.75 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.58 | 74.47 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.27 | 74.78 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.08 | 74.97 |
| | 2/11/2021 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.99 | 74.06 |
| MW01R | 10/22/2001 | 955 | ND | 855 | 14700 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/5/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/16/2002 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/23/2002 | 920 | ND | ND | 10700 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/18/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 12/19/2003 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 3/25/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 6/29/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 9/23/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|--------------------------------|------------|------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 1/18/2005 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/3/2005 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/23/2005 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/18/2006 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/24/2006 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/18/2006 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/16/2006 | 210 | 1.1 | 700 | 5700 | NA | NA | NA | NA | NA | NA | 22.30 | NA |
| | 2/20/2007 | 140 | <1.0 | 420 | 8500 | NA | NA | NA | NA | NA | NA | 23.88 | NA |
| | 5/3/2007 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.25 (0.95) | NA |
| | 8/20/2007 | 4.7 | <1.0 | 440 | 1700 | NA | NA | NA | NA | NA | NA | 7.89 | NA |
| | 11/27/2007 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 21.28 (1.05) | NA |
| | 2/19/2008 | 31 | <1.0 | 970 | 7900 | NA | NA | NA | NA | NA | NA | 21.94 (0.04) | NA |
| | 5/30/2008 | 52 | <1.0 | 890 | 7900 | NA | NA | NA | NA | NA | NA | 22.03 | NA |
| | 8/27/2008 | 7.1 | <1.0 | 320 | 1900 | NA | NA | NA | NA | NA | NA | 16.19 | NA |
| | 11/24/2008 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 21.58 (0.05) | NA |
| | 2/11/2009 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.08 (0.13) | NA |
| | 5/21/2009 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.04 (0.37) | NA |
| | 8/13/2009 | 7.7 | <1.0 | 300 | 570 | NA | NA | NA | NA | NA | NA | 9.39 | NA |
| | 11/23/2009 | 11 | <1.0 | 260 | 450 | NA | NA | NA | NA | NA | NA | 20.33 | NA |
| | 2/10/2010 | 12 | <1.0 | 410 | 870 | NA | NA | NA | NA | NA | NA | 22.16 | NA |
| | 5/10/2010 | 30 | <1.0 | 160 | 120 | NA | NA | NA | NA | NA | NA | 23.18 | NA |
| | 8/24/2010 | <1.0 | <1.0 | 81 | 280 | NA | NA | NA | NA | NA | NA | 10.24 | NA |
| | 11/17/2010 | <1.0 | <1.0 | 22 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Broken | NA |
| | 2/9/2011 | 5.2 | 2.4 | 300 | 94 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| MW01R destroyed as of 5/3/2011 | | | | | | | | | | | | | |
| MW01R2 | 8/25/2011 | <1.0 | <1.0 | 1.8 | <1.0 | NA | NA | NA | NA | NA | NA | 22.67 | 74.88 |
| | 11/22/2011 | <1.0 | <1.0 | 3.1 | <1.0 | NA | NA | NA | NA | NA | NA | 22.89 | 74.66 |
| | 2/28/2012 | <1.0 | <1.0 | 1.9 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/25/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/23/2012 | <1.0 | 1.5 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/15/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/16/2013 | <1.0 | <1.0 | 1.3 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/21/2013 | Damaged - Not Sampled | | | | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/28/2013 | <1.0 | <1.0 | 3.5 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/15/2013 | <1.0 | <1.0 | 1.5 | <1.0 | NA | NA | NA | NA | NA | NA | 22.80 | 77.20 |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.80 | 74.76 |
| | 2/14/2014 | <1.0 | <1.0 | 24.1 | 7.1 | NA | NA | NA | NA | NA | NA | 23.51 | 74.02 |
| | 5/8/2014 | <1.0 | <1.0 | 16.3 | <1.0 | NA | NA | NA | NA | NA | NA | 24.63 | 72.93 |
| | 7/31/2014 | <1.0 | <1.0 | 1.7 | <1.0 | NA | NA | NA | NA | NA | NA | 23.22 | 74.34 |
| | 11/20/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.31 | 72.25 |
| | 2/2/2015 | <1.0 | <1.0 | 1.5 | <1.0 | NA | NA | NA | NA | NA | NA | 23.45 | 74.11 |
| | 5/8/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.90 | 73.66 |
| | 8/14/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.46 | 75.10 |
| | 2/23/2016 | 18.2 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.72 | 73.84 |
| | 5/11/2016 | 12.8 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.41 | 74.15 |
| | 8/19/2016 | 107 | <1.00 | 1.02 | <1.00 | NA | NA | NA | NA | NA | NA | 22.10 | 75.46 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-----------------------|-------------------------------|-----------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 11/23/2016 | 85.4 | <1.00 | 1.01 | <1.00 | NA | NA | NA | NA | NA | NA | 23.60 | 73.96 |
| | 2/10/2017 | 76.0 | <1.00 | 1.17 | <1.00 | NA | NA | NA | NA | NA | NA | 24.18 | 73.38 |
| | 5/2/2017 | 89.0 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.26 | 73.30 |
| | 8/10/2017 | 2.02 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.85 | 73.71 |
| | 11/13/2017 | 22.8 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.82 | 73.74 |
| | 2/5/2018 | 33.6 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.49 | 73.07 |
| | 5/9/2018 | 51.1 | <1.00 | 1.09 | <1.00 | NA | NA | NA | NA | NA | NA | 24.69 | 72.87 |
| | 8/16/2018 | 20.6 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.38 | 73.18 |
| | 11/15/2018 | 1.90 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.07 | 73.49 |
| | 2/19/2019 | <1.00 | <1.00 | <1.00 | 9.36 | NA | NA | NA | NA | NA | NA | 24.77 | 72.79 |
| | 5/15/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.61 | 72.95 |
| | 8/21/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.40 | 74.16 |
| | 11/11/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.08 | 74.48 |
| | 2/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.17 | 74.39 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.99 | 74.57 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.71 | 74.85 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.53 | 75.03 |
| | 2/11/2021 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.41 | 74.15 |
| | | | | | | | | | | | | | |
| MW02 | 10/22/2001 | 357 | ND | 511 | 97 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/5/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/23/2002 | 70 | 1.2 | ND | 9.2 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/18/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 12/19/2003 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 3/25/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 6/29/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 9/23/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 1/18/2005 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | MW02 destroyed as of 8/3/2005 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MW02R | 8/3/2005 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/23/2005 | 1200 | 1.0 | 300 | 200 | NA | NA | NA | NA | NA | NA | 21.40 | NA |
| | 2/18/2006 | Frozen - Not Sampled | | | | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/22/2006 | 57 | <1.0 | 9.6 | 36 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/24/2006 | 25 | <1.0 | 5.4 | 5.6 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/18/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/16/2006 | 260 | <1.0 | 73 | 170 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/20/2007 | 23 | <1.0 | 18 | 51 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/3/2007 | 19 | <1.0 | 2.1 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/20/2007 | 150 | 4.4 | 190 | 4.7 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/27/2007 | 210 | <1.0 | 170 | 98 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/19/2008 | 54 | <1.0 | 91 | 12 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/30/2008 | 30 | <1.0 | 81 | 11 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/27/2008 | 47 | <1.0 | 22 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/24/2008 | 33 | <1.0 | 120 | 17 | NA | NA | NA | NA | NA | NA | 22.25 | NA |
| | 2/11/2009 | 5.4 | <1.0 | 68 | 4.2 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/21/2009 | Damaged - Not Sampled | | | | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-----------------------|---------------------------------|------------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 8/13/2009 | 2.8 | <1.0 | 14 | 14 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/23/2009 | 1.4 | <1.0 | 72 | 67 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/10/2010 | 9.4 | <1.0 | 88 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/10/2010 | <1.0 | <1.0 | 11 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/24/2010 | 1.1 | <1.0 | 9.8 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/17/2010 | <1.0 | <1.0 | 5.4 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/9/2011 | <1.0 | <1.0 | 19 | 4.8 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/3/2011 | <1.0 | <1.0 | 8.0 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | MW02R destroyed as of 8/25/2011 | | | | | | | | | | | | |
| MW03 | 10/22/2001 | 26 | ND | 1.0 | 19 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/5/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/23/2002 | 21.4 | ND | ND | 3.5 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/18/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 12/19/2003 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 3/25/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 6/29/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 9/23/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 1/18/2005 | Could Not Find - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | 8/3/2005 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | MW03 destroyed as of 11/23/2005 | | | | | | | | | | | | |
| MW04 | 10/22/2001 | 56 | ND | 5.0 | 26 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/5/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/16/2002 | 36 | ND | 170 | 197 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/23/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/18/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/20/2003 | 1260 | ND | 575 | 7630 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 6/2/2003 | 1040 | ND | 200 | 5750 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 12/19/2003 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 6/29/2004 | 320 | 37.5 | 170 | 6780 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 9/23/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 1/18/2005 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 25.05 (1.35) | NA |
| | 8/3/2005 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | 11/23/2005 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | MW04 destroyed as of 2/10/2010 | | | | | | | | | | | | |
| MW04R | 4/24/2006 | 210 | <1.0 | 210 | 2100 | NA | NA | NA | NA | NA | NA | 23.43 | 72.69 |
| | 5/24/2006 | 160 | <1.0 | 130 | 1100 | NA | NA | NA | NA | NA | NA | 23.56 | 72.56 |
| | 8/18/2006 | 38 | <1.0 | <1.0 | 1100 | NA | NA | NA | NA | NA | NA | 19.72 | 76.40 |
| | 11/16/2006 | 400 | <1.0 | 570 | 6400 | NA | NA | NA | NA | NA | NA | 22.42 | 73.70 |
| | 2/20/2007 | 89 | <1.0 | 240 | 5200 | NA | NA | NA | NA | NA | NA | 24.31 | 71.81 |
| | 5/3/2007 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 25.50 (2.00) | 70.62 |
| | 8/20/2007 | 12 | <1.0 | 170 | 1300 | NA | NA | NA | NA | NA | NA | 8.15 | 87.97 |
| | 11/27/2007 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 20.40 (-1.93) | 75.72 |
| | 2/19/2008 | 190 | <1.0 | 470 | 5900 | NA | NA | NA | NA | NA | NA | 22.25 (0.15) | 73.87 |
| | 5/30/2008 | 160 | <1.0 | 280 | 860 | NA | NA | NA | NA | NA | NA | 22.90 (0.25) | 73.22 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|---------------------------------|------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 8/27/2008 | 13 | <1.0 | 180 | 1100 | NA | NA | NA | NA | NA | NA | 16.95 (0.01) | 79.17 |
| | 11/24/2008 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 21.85 (0.04) | 74.27 |
| | 2/11/2009 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.35 (0.10) | 72.77 |
| | 5/21/2009 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.46 (0.07) | 73.66 |
| | 8/13/2009 | 5.3 | <1.0 | 59 | 470 | NA | NA | NA | NA | NA | NA | 10.25 | 85.87 |
| | 11/23/2009 | 7.9 | <1.0 | 100 | 260 | NA | NA | NA | NA | NA | NA | 20.62 | 75.50 |
| | 2/10/2010 | 33 | <1.0 | 200 | 490 | NA | NA | NA | NA | NA | NA | 22.37 | 73.75 |
| | 5/10/2010 | 23 | <1.0 | 89 | 700 | NA | NA | NA | NA | NA | NA | 23.44 | 72.68 |
| | 8/24/2010 | 2.8 | <1.0 | 130 | 350 | NA | NA | NA | NA | NA | NA | 11.31 | 84.81 |
| | 11/17/2010 | 20 | <1.0 | 330 | 820 | NA | NA | NA | NA | NA | NA | 20.20 | 75.92 |
| | 2/9/2011 | 21 | <1.0 | 200 | 360 | NA | NA | NA | NA | NA | NA | 22.44 | 73.68 |
| | 5/3/2011 | 15 | <1.0 | 130 | 180 | NA | NA | NA | NA | NA | NA | 23.42 | 72.70 |
| | 8/25/2011 | 8.6 | <1.0 | 96 | 120 | NA | NA | NA | NA | NA | NA | 22.72 | 73.40 |
| | 11/22/2011 | <1.0 | <1.0 | 6.8 | 14 | NA | NA | NA | NA | NA | NA | 22.88 | 73.24 |
| | 2/28/2012 | 4.8 | <1.0 | 47 | 110 | NA | NA | NA | NA | NA | NA | 24.00 | 72.12 |
| | 5/25/2012 | 7.6 | <1.0 | 250 | 52 | NA | NA | NA | NA | NA | NA | 23.80 | 72.32 |
| | 8/23/2012 | 6.6 | <1.0 | 160 | 69 | NA | NA | NA | NA | NA | NA | 22.90 | 73.22 |
| | 11/15/2012 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.65 (0.59) | 72.47 |
| | 2/16/2013 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.65 (0.35) | 71.47 |
| | 5/21/2013 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.20 (0.29) | 71.92 |
| | 8/28/2013 | 4.8 | <1.0 | 110 | 80 | NA | NA | NA | NA | NA | NA | 23.08 | 73.04 |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.87 | 74.49 |
| | 9/15/2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NM | NA |
| | MW04R destroyed as of 9/15/2014 | | | | | | | | | | | | |
| MW04R2 | 11/15/2013 | 7.6 | <1.0 | 177 | 108 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/14/2014 | 1.9 | <1.0 | 55.9 | 61.3 | NA | NA | NA | NA | NA | NA | 22.36 | NA |
| | 5/8/2014 | 2.1 | <1.0 | 154 | 178 | NA | NA | NA | NA | NA | NA | 26.01 | NA |
| | 7/31/2014 | 1.5 | <1.0 | 58.6 | 15.1 | NA | NA | NA | NA | NA | NA | 22.06 | NA |
| | 11/20/2014 | 2.6 | <1.0 | 123 | 7.7 | NA | NA | NA | NA | NA | NA | 21.09 | NA |
| | 2/2/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.21 | NA |
| | 5/8/2015 | <1.0 | <1.0 | 13 | <1.0 | NA | NA | NA | NA | NA | NA | 22.74 | NA |
| | 8/14/2015 | <1.0 | 4.2 | <1.0 | 1.6 | NA | NA | NA | NA | NA | NA | 21.20 | NA |
| | 2/23/2016 | 1.5 | <1.0 | 23.3 | <1.0 | NA | NA | NA | NA | NA | NA | 22.44 | NA |
| | 5/11/2016 | <1.0 | <1.0 | 4.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.24 | NA |
| | 8/19/2016 | <1.00 | <1.00 | 5.31 | <1.00 | NA | NA | NA | NA | NA | NA | 21.82 | NA |
| | 11/23/2016 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.31 | NA |
| | 2/10/2017 | <1.00 | <1.00 | 6.74 | 8.64 | NA | NA | NA | NA | NA | NA | 22.90 | NA |
| | 5/2/2017 | <1.00 | <1.00 | 1.98 | <1.00 | NA | NA | NA | NA | NA | NA | 23.06 | NA |
| | 8/10/2017 | <1.00 | <1.00 | 6.91 | <1.00 | NA | NA | NA | NA | NA | NA | 22.63 | NA |
| | 11/13/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.59 | NA |
| | 2/5/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.24 | NA |
| | 5/9/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.48 | NA |
| | 8/16/2018 | <1.00 | <1.00 | 1.37 | <1.00 | NA | NA | NA | NA | NA | NA | 23.17 | NA |
| | 11/15/2018 | <1.00 | <1.00 | 4.06 | <1.00 | NA | NA | NA | NA | NA | NA | 22.83 | NA |
| | 2/19/2019 | <1.00 | 1.05 | 27.6 | 3.04 | NA | NA | NA | NA | NA | NA | 23.11 | NA |
| | 5/15/2019 | <1.00 | <1.00 | 7.72 | 4.28 | NA | NA | NA | NA | NA | NA | 23.36 | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-----------------------|---------------------------------|-------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 8/21/2019 | <1.00 | <1.00 | <1.00 | 3.63 | NA | NA | NA | NA | NA | NA | 23.35 | 74.07 |
| | 11/11/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.04 | 74.38 |
| | 2/4/2020 | <1.00 | 1.10 | 65.1 | 6.48 | NA | NA | NA | NA | NA | NA | 23.15 | 74.27 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.96 | 74.46 |
| | 8/24/2020 | <1.00 | <1.00 | 1.39 | <1.00 | NA | NA | NA | NA | NA | NA | 22.65 | 74.77 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.51 | 74.91 |
| | 2/11/2021 | <4.00 | <4.00 | <4.00 | <4.00 | NA | NA | NA | NA | NA | NA | 24.37 | 73.05 |
| MW05 | 10/22/2001 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/5/2002 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | MW05 destroyed as of 8/23/2002 | | | | | NA | NA | NA | NA | NA | NA | | |
| MW05R | 8/3/2005 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 19.60 (1.05) | NA |
| | 11/23/2005 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.00 (1.60) | NA |
| | 2/18/2006 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.90 (1.97) | NA |
| | 5/24/2006 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.66 (1.70) | NA |
| | 8/18/2006 | 500 | 48 | <1.0 | 1800 | NA | NA | NA | NA | NA | NA | 19.31 (0.01) | NA |
| | 11/16/2006 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.86 (1.07) | NA |
| | 2/20/2007 | Not Found - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | 5/3/2007 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.81 (1.60) | NA |
| | 8/20/2007 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 8.86 (1.45) | NA |
| | 11/27/2007 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 19.98 (0.24) | NA |
| | 2/19/2008 | 400 | <1.0 | 640 | 5100 | NA | NA | NA | NA | NA | NA | 21.81 (0.20) | NA |
| | 5/30/2008 | 240 | <1.0 | 420 | 820 | NA | NA | NA | NA | NA | NA | 22.31 | NA |
| | 8/27/2008 | 120 | <1.0 | 490 | 2800 | NA | NA | NA | NA | NA | NA | 17.34 | NA |
| | 11/24/2008 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.51 (-0.47) | NA |
| | 2/11/2009 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/21/2009 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/13/2009 | 11 | <1.0 | 88 | 35 | NA | NA | NA | NA | NA | NA | 9.40 | NA |
| | 11/23/2009 | 54 | <1.0 | 220 | 180 | NA | NA | NA | NA | NA | NA | 19.91 | NA |
| | 2/10/2010 | 130 | <1.0 | 360 | 640 | NA | NA | NA | NA | NA | NA | 21.84 | NA |
| | 5/10/2010 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/24/2010 | 4.4 | <1.0 | 87 | 2.5 | NA | NA | NA | NA | NA | NA | 10.01 | NA |
| | 11/17/2010 | 18 | <1.0 | 160 | <1.0 | NA | NA | NA | NA | NA | NA | 19.52 | NA |
| | 2/9/2011 | 38 | <1.0 | 140 | 21 | NA | NA | NA | NA | NA | NA | 22.00 | NA |
| | MW05R destroyed as of 8/25/2011 | | | | | | | | | | | | |
| MW05R2 | 5/25/2012 | 63 | <1.0 | 140 | 1700 | NA | NA | NA | NA | NA | NA | 23.45 | 72.49 |
| | 8/23/2012 | 67 | <1.0 | 150 | 1200 | NA | NA | NA | NA | NA | NA | 23.45 | 72.49 |
| | 11/15/2012 | 28 | <1.0 | <1.0 | 770 | NA | NA | NA | NA | NA | NA | 24.00 | 71.94 |
| | 2/16/2013 | 2.5 | <1.0 | 3.9 | 19 | NA | NA | NA | NA | NA | NA | 24.70 | 71.24 |
| | 5/21/2013 | 31 | <1.0 | 120 | 360 | NA | NA | NA | NA | NA | NA | 24.40 | 71.54 |
| | 8/28/2013 | 44 | <1.0 | 190 | 460 | NA | NA | NA | NA | NA | NA | 22.83 | 73.11 |
| | 11/15/2013 | 20.3 | <1.0 | 126 | 152 | NA | NA | NA | NA | NA | NA | 21.50 | 74.44 |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.43 | 74.49 |
| | 2/14/2014 | Product - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.22 (0.07) | 73.72 |
| | 5/8/2014 | 20.9 | <1.0 | 112 | 203 | NA | NA | NA | NA | NA | NA | 24.30 | 72.62 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-----------------------|----------------------------------|-----------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 7/31/2014 | 17.9 | <1.0 | 106 | 142 | NA | NA | NA | NA | NA | NA | 22.38 | 74.54 |
| | 11/20/2014 | 11.5 | <1.0 | 109 | 87.3 | NA | NA | NA | NA | NA | NA | 21.91 | 75.01 |
| | 2/2/2015 | 46.0 | <2.0 | 237 | 203 | NA | NA | NA | NA | NA | NA | 23.05 | 73.87 |
| | 5/8/2015 | 38.0 | <4.0 | 243 | 164 | NA | NA | NA | NA | NA | NA | 23.58 | 73.34 |
| | 8/14/2015 | 36.0 | <4.0 | 150 | 93.6 | NA | NA | NA | NA | NA | NA | 22.02 | 74.90 |
| | 2/23/2016 | 32.4 | <4.0 | 479 | 174 | NA | NA | NA | NA | NA | NA | 23.39 (0.17) | 73.66 |
| | 5/11/2016 | 33.6 | <4.0 | 170 | 26.1 | NA | NA | NA | NA | NA | NA | 23.07 (0.03) | 73.87 |
| | 8/19/2016 | 115 | <1.00 | 510 | 51.2 | NA | NA | NA | NA | NA | NA | 22.61 (0.01) | 74.32 |
| | 11/23/2016 | 60.0 | <4.00 | 161 | 10.6 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/10/2017 | <1.00 | <1.00 | 1.27 | 2.14 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/2/2017 | PVC Blocked | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/10/2017 | PVC Blocked | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/13/2017 | PVC Blocked | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/5/2018 | PVC Blocked | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/9/2018 | PVC Blocked | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/16/2018 | PVC Blocked | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | MW05R2 destroyed as of 8/10/2017 | | | | | | | | | | | | |
| MW05R3 | 9/6/2018 | <1.00 | <1.00 | 11.5 | <1.00 | NA | NA | NA | NA | NA | NA | 23.94 | 48.08 |
| | 11/15/2018 | 1.11 | <1.00 | 19.7 | <1.00 | NA | NA | NA | NA | NA | NA | 21.32 | 73.29 |
| | 2/19/2019 | 1.82 | <1.00 | 92.0 | 3.96 | NA | NA | NA | NA | NA | NA | 21.56 | 73.05 |
| | 5/15/2019 | 1.75 | <1.00 | 112 | <1.00 | NA | NA | NA | NA | NA | NA | 21.80 | 72.81 |
| | 8/21/2019 | <1.00 | <1.00 | 52.3 | <1.00 | NA | NA | NA | NA | NA | NA | 20.59 | 74.02 |
| | 11/11/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 20.33 | 74.28 |
| | 2/4/2020 | 1.60 | <1.00 | 36.1 | <1.00 | NA | NA | NA | NA | NA | NA | 20.41 | 74.20 |
| | 5/13/2020 | <1.00 | <1.00 | 1.48 | <1.00 | NA | NA | NA | NA | NA | NA | 20.24 | 74.37 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 19.91 | 74.70 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 19.77 | 74.84 |
| | 2/11/2021 | <1.00 | <1.00 | 3.88 | <1.00 | NA | NA | NA | NA | NA | NA | 20.66 | 73.95 |
| MW06 | 8/23/2002 | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/18/2002 | 1.1 | 1.0 | ND | 1.9 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/12/2003 | 3.6 | ND | 1.1 | 5.1 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 6/2/2003 | ND | ND | ND | 160 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 12/11/2003 | 30.3 | ND | 5.6 | ND | NA | NA | NA | NA | NA | NA | NM | NA |
| | 3/25/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 6/29/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 9/23/2004 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/3/2005 | 2.3 | <1.0 | 1.6 | 4.0 | NA | NA | NA | NA | NA | NA | 19.75 | NA |
| | 11/23/2005 | Damaged - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Damaged | NA |
| | MW06 destroyed as of 2/18/2006 | | | | | | | | | | | | |
| MW07 | 8/3/2005 | <1.0 | <1.0 | <1.0 | <2.0 | NA | NA | NA | NA | NA | NA | 17.70 | NA |
| | 11/23/2005 | <1.0 | 1.3 | <1.0 | <2.0 | NA | NA | NA | NA | NA | NA | 22.05 | NA |
| | 2/18/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.65 | NA |
| | 5/24/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.50 | NA |
| | 8/18/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 19.08 | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|--------------------------------|------------|------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 11/16/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.96 | NA |
| | 2/20/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.71 | NA |
| | 5/3/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.40 | NA |
| | 8/20/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 6.37 | NA |
| | 11/27/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.02 | NA |
| | 2/19/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.12 | NA |
| | 5/30/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.41 | NA |
| | 8/27/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 15.74 | NA |
| | 11/24/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.65 | NA |
| | 2/11/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.14 | NA |
| | 5/21/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.01 | NA |
| | 8/13/2009 | <1.0 | <1.0 | <1.0 | 13 | NA | NA | NA | NA | NA | NA | 8.49 | NA |
| | 11/23/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.41 | NA |
| | 2/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.22 | NA |
| | 5/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.34 | NA |
| | 8/24/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 9.60 | NA |
| | 11/17/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.08 | NA |
| | 2/9/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.31 | NA |
| | 5/3/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.18 | NA |
| MW07 destroyed as of 8/25/2011 | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| MW07R | 5/25/2012 | <1.0 | <1.0 | <1.0 | 22 | NA | NA | NA | NA | NA | NA | 26.56 | 73.68 |
| | 8/23/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.10 | 73.14 |
| | 11/15/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.66 | 72.58 |
| | 2/16/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 25.40 | 71.84 |
| | 5/21/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.95 | 72.29 |
| | 8/28/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.05 | 73.19 |
| | 11/15/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.61 | 76.04 |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.66 | 75.58 |
| | 2/14/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.45 | 73.79 |
| | 5/8/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.54 | 72.70 |
| | 7/31/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.12 | 74.12 |
| | 11/20/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.15 | 75.09 |
| | 2/2/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.33 | 73.91 |
| | 5/8/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.82 | 73.42 |
| | 8/14/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.28 | 74.96 |
| | 2/23/2016 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.53 | 73.71 |
| | 5/11/2016 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.31 | 73.93 |
| | 8/19/2016 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.91 | 74.33 |
| | 11/23/2016 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.43 | 73.81 |
| | 2/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.03 | 73.21 |
| | 5/2/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.19 | 73.05 |
| | 8/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.73 | 73.51 |
| | 11/13/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.69 | 73.55 |
| | 2/5/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.33 | 72.91 |
| | 5/9/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.42 | 72.82 |
| | 8/16/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.12 | 73.12 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-----------------------|------------|-------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 11/15/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.54 | 73.70 |
| | 2/19/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.80 | 73.44 |
| | 5/15/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.02 | 73.22 |
| | 8/21/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.84 | 74.40 |
| | 11/11/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.54 | 74.70 |
| | 2/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.61 | 74.63 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.41 | 74.83 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.09 | 75.15 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 21.90 | 75.34 |
| | 2/11/2021 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.84 | 74.40 |
| MW08 | 8/3/2005 | <1.0 | <1.0 | <1.0 | <2.0 | NA | NA | NA | NA | NA | NA | 16.70 | 80.23 |
| | 11/23/2005 | <1.0 | <1.0 | <1.0 | <2.0 | NA | NA | NA | NA | NA | NA | 21.75 | 75.18 |
| | 2/18/2006 | 3.0 | <1.0 | <1.0 | 51 | NA | NA | NA | NA | NA | NA | 23.25 | 73.68 |
| | 5/24/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.10 | 73.83 |
| | 8/18/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 18.79 | 78.16 |
| | 11/16/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.00 | 74.93 |
| | 2/20/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.75 | 73.18 |
| | 5/3/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.40 | 73.53 |
| | 8/20/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 6.22 | 90.71 |
| | 11/27/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.08 | 76.85 |
| | 2/19/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.18 | 74.75 |
| | 5/30/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.30 | 74.63 |
| | 8/27/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 14.75 | 82.18 |
| | 11/24/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.39 | 75.54 |
| | 2/11/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.81 | 74.12 |
| | 5/21/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.62 | 74.31 |
| | 8/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 8.11 | 88.82 |
| | 11/23/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.15 | 76.78 |
| | 2/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.93 | 75.00 |
| | 5/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.04 | 73.89 |
| | 8/24/2010 | Not Found - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | 11/17/2010 | Not Found - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | 2/9/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.05 | 75.88 |
| | 5/3/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.91 | 74.02 |
| | 8/25/2011 | Removed from monitoring | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.45 | 74.66 |
| MW09 | 8/3/2005 | 500 | <1.0 | 110 | <2.0 | NA | NA | NA | NA | NA | NA | 20.95 | 77.11 |
| | 11/23/2005 | 710 | 1.1 | 180 | 310 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/18/2006 | Frozen - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 24.45 | 73.61 |
| | 2/22/2006 | 220 | 1.8 | 68 | 110 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/24/2006 | 53 | <1.0 | 55 | 100 | NA | NA | NA | NA | NA | NA | 24.38 | 73.68 |
| | 8/18/2006 | 29 | <1.0 | 16 | 15 | NA | NA | NA | NA | NA | NA | 20.99 | 77.07 |
| | 11/16/2006 | 440 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.15 | NA |
| | 2/20/2007 | 17 | <1.0 | 3.5 | 2.6 | NA | NA | NA | NA | NA | NA | 24.75 | 73.31 |
| | 5/3/2007 | 3.9 | <1.0 | 15 | 13 | NA | NA | NA | NA | NA | NA | 24.67 | 73.39 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|------------|-------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 8/20/2007 | 150 | <1.0 | 180 | 17 | NA | NA | NA | NA | NA | NA | 11.77 | 86.29 |
| | 11/27/2007 | 360 | <1.0 | 230 | 37 | NA | NA | NA | NA | NA | NA | 21.30 | 76.76 |
| | 2/19/2008 | 39 | <1.0 | 63 | 27 | NA | NA | NA | NA | NA | NA | 22.30 | 75.76 |
| | 5/30/2008 | 6.6 | <1.0 | 17 | 3.2 | NA | NA | NA | NA | NA | NA | 23.50 | 74.56 |
| | 8/27/2008 | 37 | <1.0 | 44 | <1.0 | NA | NA | NA | NA | NA | NA | 19.33 | 78.73 |
| | 11/24/2008 | 120 | <1.0 | 59 | 8.6 | NA | NA | NA | NA | NA | NA | 21.67 | 76.39 |
| | 2/11/2009 | 2.4 | <1.0 | 8.6 | <1.0 | NA | NA | NA | NA | NA | NA | 23.89 | 74.17 |
| | 5/21/2009 | <1.0 | <1.0 | 20 | <1.0 | NA | NA | NA | NA | NA | NA | 23.80 | 74.26 |
| | 8/13/2009 | 16 | <1.0 | 7.7 | 13 | NA | NA | NA | NA | NA | NA | 12.65 | 85.41 |
| | 11/23/2009 | 18 | <1.0 | 38 | 35 | NA | NA | NA | NA | NA | NA | 21.33 | 76.73 |
| | 2/10/2010 | 1.5 | <1.0 | 25 | <1.0 | NA | NA | NA | NA | NA | NA | 23.00 | 75.06 |
| | 5/10/2010 | <1.0 | <1.0 | 10 | <1.0 | NA | NA | NA | NA | NA | NA | 24.19 | 73.87 |
| | 8/24/2010 | Not Found - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | 11/17/2010 | Not Found - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Not Found | NA |
| | 2/9/2011 | <1.0 | <1.0 | 7.8 | <1.0 | NA | NA | NA | NA | NA | NA | 25.15 | 72.91 |
| | 5/3/2011 | <1.0 | <1.0 | 4.3 | <1.0 | NA | NA | NA | NA | NA | NA | 24.16 | 73.90 |
| | 8/25/2011 | <1.0 | <1.0 | 7.2 | <1.0 | NA | NA | NA | NA | NA | NA | 23.40 | 74.66 |
| | 11/22/2011 | <1.0 | <1.0 | 3.7 | <1.0 | NA | NA | NA | NA | NA | NA | 23.48 | 74.58 |
| | 2/28/2012 | <1.0 | <1.0 | 1.8 | <1.0 | NA | NA | NA | NA | NA | NA | 24.65 | 73.41 |
| | 5/25/2012 | <1.0 | <1.0 | 1.3 | <1.0 | NA | NA | NA | NA | NA | NA | 24.55 | 73.51 |
| | 8/23/2012 | <1.0 | <1.0 | 2.5 | <1.0 | NA | NA | NA | NA | NA | NA | 24.85 | 73.21 |
| | 11/15/2012 | <1.0 | <1.0 | 1.9 | <1.0 | NA | NA | NA | NA | NA | NA | 25.38 | 72.68 |
| | 2/16/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 26.10 | 71.96 |
| | 5/21/2013 | <1.0 | <1.0 | 1.4 | <1.0 | NA | NA | NA | NA | NA | NA | 25.78 | 72.28 |
| | 8/28/2013 | <1.0 | <1.0 | 1.8 | <1.0 | NA | NA | NA | NA | NA | NA | 24.95 | 73.11 |
| | 11/15/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.60 | 74.46 |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.48 | 74.48 |
| | 2/14/2014 | <1.0 | <1.0 | 2.3 | <1.0 | NA | NA | NA | NA | NA | NA | 24.23 | 73.83 |
| | 5/8/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 25.66 | 72.30 |
| | 7/31/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.92 | 73.04 |
| | 11/20/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.99 | 74.97 |
| | 2/2/2015 | <1.0 | <1.0 | 1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.03 | 73.93 |
| | 5/8/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.59 | 73.37 |
| | 8/14/2015 | <4.0 | <4.0 | <4.0 | <4.0 | NA | NA | NA | NA | NA | NA | 23.03 | 74.93 |
| | 2/23/2016 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.24 | 73.72 |
| | 5/11/2016 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.18 | 73.78 |
| | 8/19/2016 | <1.00 | <1.00 | 1.04 | <1.00 | NA | NA | NA | NA | NA | NA | 23.63 | 74.33 |
| | 11/23/2016 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.11 | 73.85 |
| | 2/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.70 | 73.26 |
| | 5/2/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.92 | 73.04 |
| | 8/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.48 | 73.48 |
| | 11/13/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.43 | 73.53 |
| | 2/5/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 25.02 | 72.94 |
| | 5/9/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 25.38 | 72.58 |
| | 8/16/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 25.07 | 72.89 |
| | 11/15/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.67 | 73.29 |
| | 2/19/2019 | <1.00 | <1.00 | <1.00 | 6.15 | NA | NA | NA | NA | NA | NA | 24.89 | 73.07 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|------------|-------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 5/15/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 25.16 | 72.80 |
| | 8/21/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.18 | 73.78 |
| | 11/11/2019 | Not Found - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.81 | 74.15 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.66 | 74.30 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.33 | 74.63 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.20 | 74.76 |
| | 2/11/2021 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.98 | 73.98 |
| MW10 | 4/24/2006 | 1600 | <1.0 | 94 | 790 | NA | NA | NA | NA | NA | NA | 24.02 | 73.12 |
| | 5/24/2006 | 210 | <1.0 | 60 | 230 | NA | NA | NA | NA | NA | NA | 23.45 | 73.69 |
| | 8/18/2006 | <1.0 | <1.0 | 1.4 | <1.0 | NA | NA | NA | NA | NA | NA | 19.72 | 77.42 |
| | 11/16/2006 | 35 | <1.0 | 110 | 220 | NA | NA | NA | NA | NA | NA | 22.26 | 74.88 |
| | 2/20/2007 | 34 | <1.0 | 52 | 220 | NA | NA | NA | NA | NA | NA | 23.90 | 73.24 |
| | 5/3/2007 | 460 | <1.0 | 25 | 260 | NA | NA | NA | NA | NA | NA | 23.81 | 73.33 |
| | 8/20/2007 | 44 | <1.0 | 5.4 | 22 | NA | NA | NA | NA | NA | NA | 9.64 | 87.50 |
| | 11/27/2007 | 200 | <1.0 | 160 | 95 | NA | NA | NA | NA | NA | NA | 20.22 | 76.92 |
| | 2/19/2008 | 64 | <1.0 | 150 | 19 | NA | NA | NA | NA | NA | NA | 22.32 | 74.82 |
| | 5/30/2008 | 8.6 | <1.0 | 39 | 3.2 | NA | NA | NA | NA | NA | NA | 22.65 | 74.49 |
| | 8/27/2008 | 41 | <1.0 | 57 | <1.0 | NA | NA | NA | NA | NA | NA | 17.67 | 79.47 |
| | 11/24/2008 | 110 | <1.0 | 99 | 2.6 | NA | NA | NA | NA | NA | NA | 21.63 | 75.51 |
| | 2/11/2009 | 7.9 | <1.0 | 28 | <1.0 | NA | NA | NA | NA | NA | NA | 23.09 | 74.05 |
| | 5/21/2009 | 1.1 | <1.0 | 16 | <1.0 | NA | NA | NA | NA | NA | NA | 22.44 | 74.70 |
| | 8/13/2009 | 6.8 | <1.0 | 33 | <1.0 | NA | NA | NA | NA | NA | NA | 11.08 | 86.06 |
| | 11/23/2009 | 33 | <1.0 | 13 | 12 | NA | NA | NA | NA | NA | NA | 20.26 | 76.88 |
| | 2/10/2010 | 2.2 | <1.0 | 11 | <1.0 | NA | NA | NA | NA | NA | NA | 22.17 | 74.97 |
| | 5/10/2010 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/24/2010 | 24 | <1.0 | 7.7 | <1.0 | NA | NA | NA | NA | NA | NA | 12.05 | 85.09 |
| | 11/17/2010 | 1.3 | <1.0 | 2.8 | <1.0 | NA | NA | NA | NA | NA | NA | 19.88 | 77.26 |
| | 2/9/2011 | 7.1 | <1.0 | 3.8 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/3/2011 | <1.0 | <1.0 | 3.7 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/25/2011 | <1.0 | <1.0 | 3.0 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/22/2011 | <1.0 | <1.0 | 2.7 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/28/2012 | <1.0 | <1.0 | 2.6 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/25/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/23/2012 | <1.0 | <1.0 | 2.4 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/15/2012 | <1.0 | <1.0 | 1.1 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/16/2013 | <1.0 | <1.0 | 2.4 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/21/2013 | Damaged - Not Sampled | | | | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/28/2013 | <1.0 | <1.0 | 1.5 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/15/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 3/25/2014 | 1.5 | <1.0 | 1.3 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/19/2015 | 1.1 | <1.0 | 1.6 | <1.0 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/8/2015 | 2.3 | 2.6 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/14/2015 | <1.0 | <1.0 | 2.1 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/23/2016 | <1.0 | <1.0 | 2.4 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|------------|-------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 5/11/2016 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 8/19/2016 | <1.00 | <1.00 | 2.17 | <1.00 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 11/23/2016 | <1.00 | <1.00 | 2.24 | <1.00 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 5/2/2017 | PVC Blocked | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/10/2017 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/13/2017 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/5/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/9/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/16/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/19/2019 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/15/2019 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/21/2019 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/11/2019 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/4/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/13/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/24/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/4/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/11/2021 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| MW11 | 4/24/2006 | 16 | <1.0 | <1.0 | 9.6 | NA | NA | NA | NA | NA | NA | 24.30 | 73.17 |
| | 5/24/2006 | <1.0 | <1.0 | 4.1 | 3.4 | NA | NA | NA | NA | NA | NA | 24.16 | 73.66 |
| | 8/18/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.94 | 76.88 |
| | 11/16/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.98 | 74.84 |
| | 2/20/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.60 | 73.22 |
| | 5/3/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.55 | 73.27 |
| | 8/20/2007 | 51 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 12.18 | 85.64 |
| | 11/27/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.10 | 76.72 |
| | 2/19/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.10 | 74.72 |
| | 5/30/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.35 | 74.47 |
| | 8/27/2008 | 18 | <1.0 | 2.8 | <1.0 | NA | NA | NA | NA | NA | NA | 19.56 | 78.26 |
| | 11/24/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.45 | 75.47 |
| | 2/11/2009 | 6.4 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.74 | 74.08 |
| | 5/21/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.13 | 74.69 |
| | 8/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 13.02 | 84.80 |
| | 11/23/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.11 | 76.71 |
| | 2/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.85 | 74.97 |
| | 5/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.94 | 73.88 |
| | 8/24/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 14.41 | 83.41 |
| | 11/17/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.75 | 77.07 |
| | 2/9/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.00 | 74.82 |
| | 5/3/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.89 | 73.93 |
| | 8/25/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.28 | 74.54 |
| | 11/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.47 | 74.35 |
| | 2/28/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.45 | 73.37 |
| | 5/25/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.35 | 73.47 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|------------|-------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 8/23/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.65 | 73.17 |
| | 11/15/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 25.30 | 72.52 |
| | 2/16/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 25.90 | 71.92 |
| | 5/21/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 25.63 | 72.19 |
| | 8/28/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 24.63 | 73.19 |
| | 11/15/2013 | Removed from monitoring | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| MW12 | 4/24/2006 | <1.0 | <1.0 | <1.0 | 7.2 | NA | NA | NA | NA | NA | NA | 24.35 | 73.29 |
| | 5/24/2006 | <1.0 | <1.0 | <1.0 | 2.6 | NA | NA | NA | NA | NA | NA | 23.40 | 73.89 |
| | 8/18/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.20 | 77.09 |
| | 11/16/2006 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.28 | 75.01 |
| | 2/20/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.80 | 73.49 |
| | 5/3/2007 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.72 | 72.57 |
| | 8/20/2007 | 9.1 | <1.0 | 32 | <1.0 | NA | NA | NA | NA | NA | NA | 11.12 | 86.17 |
| | 11/27/2007 | <1.0 | <1.0 | 6.5 | <1.0 | NA | NA | NA | NA | NA | NA | 20.42 | 76.87 |
| | 2/19/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.46 | 74.83 |
| | 5/30/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.60 | 74.69 |
| | 8/27/2008 | <1.0 | <1.0 | 1.2 | <1.0 | NA | NA | NA | NA | NA | NA | 18.53 | 78.76 |
| | 11/24/2008 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.35 | 75.94 |
| | 2/11/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.00 | 74.29 |
| | 5/21/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.87 | 74.42 |
| | 8/13/2009 | 310 | <1.0 | 1.9 | <1.0 | NA | NA | NA | NA | NA | NA | 11.48 | 85.81 |
| | 11/23/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 20.52 | 76.77 |
| | 2/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.08 | 75.21 |
| | 5/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.16 | 74.13 |
| | 8/24/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 13.42 | 83.81 |
| | 11/17/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 19.95 | 77.28 |
| | 2/9/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.14 | 75.09 |
| | 5/3/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.09 | 74.14 |
| | 8/25/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.44 | 74.79 |
| | 11/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.54 | 74.69 |
| | 2/28/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.14 | 74.09 |
| | 5/25/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.07 | 74.16 |
| | 8/23/2012 | Removed from monitoring | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.95 | 74.61 |
| MW13 | 2/11/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.88 | 74.13 |
| | 5/21/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.68 | 74.33 |
| | 12/2/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/23/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | NM | 74.91 |
| | 5/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/24/2010 | 31 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 13.90 | 83.11 |
| | 11/17/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 19.92 | 77.09 |
| | 2/9/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/3/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/25/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/22/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|-------------------------------|----------------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 2/28/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/25/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/23/2012 | Removed from monitoring | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.88 | 74.23 |
| MW14 | 2/11/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.80 | NA |
| | 5/21/2009 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.63 | NA |
| | 2/10/2010 | Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/10/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/24/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | Damaged | NA |
| | MW14 destroyed as of 9/1/2010 | | | | | | | | | | | | |
| MW14R | 11/17/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 19.43 | 79.33 |
| | 2/9/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/3/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/25/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/22/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/28/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/25/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/23/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/16/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/21/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/28/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/14/2014 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/8/2014 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 7/31/2014 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/20/2014 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/2/2015 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/8/2015 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/14/2015 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/19/2015 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/23/2016 | Insufficient Water - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 19.96 | 78.84 |
| | 5/11/2016 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/19/2016 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/23/2016 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/10/2017 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/2/2017 | Insufficient Water - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/10/2017 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/13/2017 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/5/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/9/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/16/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2018 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/19/2019 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|------------|----------------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 5/15/2019 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/21/2019 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/11/2019 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/4/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 5/13/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/24/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 11/4/2020 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/11/2021 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| | | | | | | | | | | | | | |
| MW15 | 2/11/2009 | 210 | <1.0 | 440 | 2100 | NA | NA | NA | NA | NA | NA | 22.77 | 74.03 |
| | 5/21/2009 | 74 | <1.0 | 200 | 620 | NA | NA | NA | NA | NA | NA | 22.38 | 74.42 |
| | 12/2/2009 | 64 | <1.0 | 110 | 220 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/23/2010 | 40 | <1.0 | 190 | 330 | NA | NA | NA | NA | NA | NA | NM | 73.89 |
| | 5/10/2010 | 23 | <1.0 | 200 | 320 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/24/2010 | 1.5 | <1.0 | 1.5 | <1.0 | NA | NA | NA | NA | NA | NA | 10.26 | 86.54 |
| | 11/17/2010 | 7.3 | <1.0 | 94 | 200 | NA | NA | NA | NA | NA | NA | 19.52 | 77.28 |
| | 2/9/2011 | 15 | <1.0 | 200 | 260 | NA | NA | NA | NA | NA | NA | 21.84 | 74.96 |
| | 5/3/2011 | Insufficient Water - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.00 | 73.80 |
| | 8/25/2011 | <1.0 | <1.0 | 13 | <1.0 | NA | NA | NA | NA | NA | NA | 22.29 | 74.51 |
| | 11/22/2011 | <1.0 | <1.0 | 17 | <1.0 | NA | NA | NA | NA | NA | NA | 22.48 | 74.32 |
| | 2/28/2012 | <1.0 | <1.0 | 12 | <1.0 | NA | NA | NA | NA | NA | NA | 25.25 | 71.55 |
| | 5/25/2012 | <1.0 | <1.0 | 26 | <1.0 | NA | NA | NA | NA | NA | NA | 25.20 | 71.60 |
| | 8/23/2012 | <1.0 | <1.0 | 12 | <1.0 | NA | NA | NA | NA | NA | NA | 23.78 | 73.02 |
| | 11/15/2012 | <1.0 | <1.0 | 13 | <1.0 | NA | NA | NA | NA | NA | NA | PVC Blocked | NA |
| | 2/16/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/21/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/28/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2013 | <1.0 | <1.0 | 11.1 | <1.0 | NA | NA | NA | NA | NA | NA | 22.49 | 74.37 |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.42 | 74.44 |
| | 2/14/2014 | <1.0 | <1.0 | 7.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.08 | 73.72 |
| | 5/8/2014 | <1.0 | <1.0 | 2.5 | <1.0 | NA | NA | NA | NA | NA | NA | 24.27 | 72.59 |
| | 7/31/2014 | <1.0 | <1.0 | 1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.95 | 73.91 |
| | 11/20/2014 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 21.99 | 74.87 |
| | 2/2/2015 | <1.0 | <1.0 | 1.3 | <1.0 | NA | NA | NA | NA | NA | NA | 23.02 | 73.84 |
| | 5/8/2015 | <1.0 | <1.0 | 1.2 | <1.0 | NA | NA | NA | NA | NA | NA | 23.60 | 73.26 |
| | 8/14/2015 | <1.0 | <1.0 | 3.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.00 | 74.86 |
| | 2/23/2016 | <1.0 | <1.0 | 1.3 | <1.0 | NA | NA | NA | NA | NA | NA | 23.30 | 73.56 |
| | 5/11/2016 | <1.0 | <1.0 | 1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.07 | 73.79 |
| | 8/19/2016 | <1.00 | <1.00 | 2.23 | <1.00 | NA | NA | NA | NA | NA | NA | 22.54 | 74.32 |
| | 11/23/2016 | <1.00 | <1.00 | 1.51 | <1.00 | NA | NA | NA | NA | NA | NA | 23.12 | 73.74 |
| | 2/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.71 | 73.15 |
| | 5/2/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.89 | 71.97 |
| | 8/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.50 | 73.36 |
| | 11/13/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.49 | 73.37 |
| | 2/5/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.11 | 72.75 |
| | 5/9/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.45 | 72.41 |
| | 8/16/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.12 | 72.74 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-----------------------|------------|----------------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 11/15/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.68 | 74.18 |
| | 2/19/2019 | <1.00 | <1.00 | <1.00 | 9.93 | NA | NA | NA | NA | NA | NA | 23.98 | 72.88 |
| | 5/15/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.25 | 72.61 |
| | 8/21/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.05 | 73.81 |
| | 11/11/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.71 | 74.15 |
| | 2/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.83 | 74.03 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.63 | 74.23 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.32 | 74.54 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.20 | 74.66 |
| | 2/11/2021 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.01 | 73.85 |
| MW16 | 2/11/2009 | 29 | <1.0 | 40 | 11 | NA | NA | NA | NA | NA | NA | 22.94 | 73.99 |
| | 5/21/2009 | 1.7 | <1.0 | 21 | 2.8 | NA | NA | NA | NA | NA | NA | 22.78 | 74.15 |
| | 12/2/2009 | 2.4 | <1.0 | 16 | 11 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 2/23/2010 | 2.4 | <1.0 | 53 | <1.0 | NA | NA | NA | NA | NA | NA | NM | 73.81 |
| | 5/10/2010 | 15 | <1.0 | 7.5 | <1.0 | NA | NA | NA | NA | NA | NA | NM | NA |
| | 8/24/2010 | <1.0 | <1.0 | 2.9 | <1.0 | NA | NA | NA | NA | NA | NA | 10.10 | 86.83 |
| | 11/17/2010 | <1.0 | <1.0 | 3.4 | <1.0 | NA | NA | NA | NA | NA | NA | 19.57 | 77.36 |
| | 2/9/2011 | <1.0 | <1.0 | 13 | 3.1 | NA | NA | NA | NA | NA | NA | 22.23 | 74.70 |
| | 5/3/2011 | Insufficient Water - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 23.19 | 73.74 |
| | 8/25/2011 | <1.0 | <1.0 | 2.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.50 | 74.43 |
| | 11/22/2011 | 1.9 | <1.0 | 1.6 | <1.0 | NA | NA | NA | NA | NA | NA | 22.78 | 74.15 |
| | 2/28/2012 | <1.0 | <1.0 | 1.2 | <1.0 | NA | NA | NA | NA | NA | NA | 22.42 | 74.51 |
| | 5/25/2012 | <1.0 | <1.0 | 1.5 | <1.0 | NA | NA | NA | NA | NA | NA | 19.50 | 77.43 |
| | 8/23/2012 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.90 | 73.03 |
| | 11/15/2012 | <1.0 | <1.0 | 1.8 | 15 | NA | NA | NA | NA | NA | NA | 23.48 | 73.45 |
| | 2/16/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/21/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/28/2013 | <1.0 | <1.0 | 7.6 | <1.0 | NA | NA | NA | NA | NA | NA | 24.00 | 72.93 |
| | 11/15/2013 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.65 | 74.28 |
| | 11/19/2013 | Surveyed - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 22.42 | 74.39 |
| | 2/14/2014 | <1.0 | <1.0 | 1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 23.28 | 73.65 |
| | 5/8/2014 | <1.0 | <1.0 | 1.1 | <1.0 | NA | NA | NA | NA | NA | NA | 24.30 | 72.51 |
| | 7/31/2014 | <1.0 | <1.0 | 2.5 | <1.0 | NA | NA | NA | NA | NA | NA | 22.94 | 73.87 |
| | 11/20/2014 | <1.0 | <1.0 | 1.1 | <1.0 | NA | NA | NA | NA | NA | NA | 21.92 | 74.89 |
| | 2/2/2015 | <1.0 | <1.0 | 1.2 | <1.0 | NA | NA | NA | NA | NA | NA | 23.04 | 73.77 |
| | 5/8/2015 | <1.0 | <1.0 | 1.2 | <1.0 | NA | NA | NA | NA | NA | NA | 23.61 | 73.20 |
| | 8/14/2015 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 22.03 | 74.78 |
| | 2/23/2016 | <1.0 | <1.0 | 1.7 | <1.0 | NA | NA | NA | NA | NA | NA | 23.28 | 73.53 |
| | 5/11/2016 | <1.0 | <1.0 | 1.6 | <1.0 | NA | NA | NA | NA | NA | NA | 23.52 | 73.29 |
| | 8/19/2016 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.63 | 74.18 |
| | 11/23/2016 | <1.00 | <1.00 | 1.17 | <1.00 | NA | NA | NA | NA | NA | NA | 23.17 | 73.64 |
| | 2/10/2017 | <1.00 | <1.00 | 2.29 | 2.95 | NA | NA | NA | NA | NA | NA | 23.78 | 73.03 |
| | 5/2/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.98 | 72.83 |
| | 8/10/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.50 | 73.31 |
| | 11/13/2017 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.38 | 73.43 |
| | 2/5/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.13 | 72.68 |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|-----------------------|------------|-------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 5/9/2018 | <1.00 | <1.00 | 4.03 | <1.00 | NA | NA | NA | NA | NA | NA | 24.38 | 72.43 |
| | 8/16/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.07 | 72.74 |
| | 11/15/2018 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 23.71 | 73.10 |
| | 2/19/2019 | <1.00 | <1.00 | <1.00 | 2.63 | NA | NA | NA | NA | NA | NA | 23.93 | 72.88 |
| | 5/15/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 24.19 | 72.62 |
| | 8/21/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.37 | 74.44 |
| | 11/11/2019 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.68 | 74.13 |
| | 2/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.72 | 74.09 |
| | 5/13/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.59 | 74.22 |
| | 8/24/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.26 | 74.55 |
| | 11/4/2020 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.07 | 74.74 |
| | 2/11/2021 | <1.00 | <1.00 | <1.00 | <1.00 | NA | NA | NA | NA | NA | NA | 22.98 | 73.83 |
| MW17 | 11/17/2010 | <1.0 | <1.0 | <1.0 | <1.0 | NA | NA | NA | NA | NA | NA | 19.43 | 77.18 |
| | 2/9/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/3/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/25/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/22/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/28/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/25/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/23/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/16/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/21/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/28/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2013 | Removed from monitoring | | | | NA | NA | NA | NA | NA | NA | NM | NA |
| MW18 | 11/17/2010 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | 19.61 | 77.12 |
| | 2/9/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/3/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/25/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/22/2011 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/28/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/25/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/23/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 11/15/2012 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 2/16/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 5/21/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |
| | 8/28/2013 | Dry - Not Sampled | | | | NA | NA | NA | NA | NA | NA | Dry | NA |

TABLE 3
GROUNDWATER ANALYTICAL AND FIELD RESULTS
FORT ST. VRAIN-4
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Naphthalene (µg/L) | 1,2,4- trimethylbenzene (µg/L) | 1,3,5- trimethylbenzene (µg/L) | Total Dissolved Solids (ug/L) | Chloride Ion (ug/L) | Sulfate Ion (ug/L) | Depth to Water/ (Product Thickness) (ft bgs) | Relative GW Elev. (ft) |
|------------------------------|------------|-------------------------|-------------------|------------------------|----------------------------|-----------------------|--------------------------------------|--------------------------------------|-------------------------------------|------------------------|-----------------------|--|------------------------------|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | | 250000 | 250000 | | |
| | 11/15/2013 | Removed from monitoring | | | | NA | NA | NA | NA | NA | NA | NM | NA |

Notes: ECMC - Energy and Carbon Management Commission µg/L - micrograms per liter
ft bgs - feet below ground surface < - less than laboratory reporting limit
NA - not analyzed/not available Excavation groundwater depth is approximate
NM - not measured
Corrected Relative GW Elev. is used when LNAPL is present.
BOLD = Analytical result is in exceedance of ECMC Table 915-1 groundwater standards.
 = Active remediation implementation period

November 07, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - PSC 15-10 FSV, 24A&4 O
SA Facility**

Project Number - 09A1417392

Attached are your analytical results for KMG - PSC 15-10 FSV, 24A&4 O SA Facility received by Origins Laboratory, Inc. October 23, 2023. This project is associated with Origins project number Y310611-01.

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: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA
Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|------------------------|------------------|
| PWV-B01@5' | Y310611-01 | Soil | October 23, 2023 10:45 | 10/23/2023 15:40 |
| PWV-W01@2.5' | Y310611-02 | Soil | October 23, 2023 10:55 | 10/23/2023 15:40 |
| AST01@0.5' | Y310611-03 | Soil | October 23, 2023 11:05 | 10/23/2023 15:40 |
| AST02@0.5' | Y310611-04 | Soil | October 23, 2023 11:10 | 10/23/2023 15:40 |
| SEP01-OUTLET@4' | Y310611-05 | Soil | October 23, 2023 12:00 | 10/23/2023 15:40 |
| SEP01-INLET@4' | Y310611-06 | Soil | October 23, 2023 12:10 | 10/23/2023 15:40 |
| FL01@4' | Y310611-07 | Soil | October 23, 2023 13:35 | 10/23/2023 15:40 |
| TB-BG01@0.5' | Y310611-08 | Soil | October 23, 2023 11:15 | 10/23/2023 15:40 |
| NATIVE-BG01@3' | Y310611-09 | Soil | October 23, 2023 12:30 | 10/23/2023 15:40 |
| NATIVE-BG01@6' | Y310611-10 | Soil | October 23, 2023 12:40 | 10/23/2023 15:40 |
| NATIVE-BG02@3' | Y310611-11 | Soil | October 23, 2023 12:45 | 10/23/2023 15:40 |
| NATIVE-BG02@6' | Y310611-12 | Soil | October 23, 2023 12:50 | 10/23/2023 15:40 |

Origins Laboratory, Inc.



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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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page 1 of 2

Client: Ensolum LLC

Address:

Telephone Number: KMG Team

Email Address:

Project Manager: Jeremy Espinoza

Project Name: PSC 15-10 FSV, 24A&4 O SA Facility

Project Number: 09A1417392

Samples Collected By: Glenn Thompson

Fax: 303.265.9645

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Soil | Full Table 915-1 | BTEXN | 1,2,4,1,3,5-TMB | TH-GRD/ROXO | EPT/SA/ROXO (SP) | Sample Instructions |
|-----------------------|----------------|--------------|-----------------|----------------|------------|-----------------------------------|--------------------------------|--------------------------------|--------------------------------|-------|-----------------|-------------|------------------|---|
| | | | | Unpreserved | HCl | HNO ₃ | Other | | | | | | | |
| PW1-B601-5' | 10-23-23 | 1045 | 3 | X | | | | X | | | | | | <p>915 metals added to B-601-0.5'</p> <p>all native samples per clients email on 10/24/23</p> |
| PW1-W01-2.5' | | 1055 | 1 | | | | | X | | | | | | |
| AST01-0.5' | | 1105 | 1 | | | | | X | | | | | | |
| AST02-0.5' | | 1110 | 1 | | | | | X | | | | | | |
| Sep01-W01-4' | | 1200 | 1 | | | | | X | X | X | X | | | |
| Sep01-N01-4' | | 1210 | 1 | | | | | X | X | X | X | | | |
| Fl01-4' | | 1335 | 1 | | | | | X | | | | | | |
| TB-B601-0.5' | | 1115 | 1 | | | | | | | | | | | |
| Native B601-3' | | 1230 | 1 | | | | | | | | | | | |
| Native B601-6' | | 1240 | 1 | | | | | | | | | | | |
| Relinquished By: | Date: 10/23/23 | Time: 1540 | Received By: | Date: 10/23/23 | Time: 1540 | Turnaround Time: | | | | | | | | |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | Same Day <input type="checkbox"/> | 24 Hr <input type="checkbox"/> | 48 Hr <input type="checkbox"/> | 72 Hr <input type="checkbox"/> | | | | | |

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

7 Date Results Needed

Origins Laboratory, Inc.

Byron

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

www.originslaboratory.com

INITIAL ☒ IMPACTED ☐

page 2 of 2

11049

Client: Ensolum LLC

Address:

Telephone Number:

Email Address:

Project Manager: Jeremy Espinoza

Project Name: PSC 15-10 FSV 24A&4 O SA Facility

Project Number: 09A1417392

Samples Collected By: Glenn Thompson

Relinquished By: [Signature]

Relinquished By: [Signature]

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | Soil | Groundwater | Other | HNO ₃ | HCl | Unpreserved | Full Table 915-1 | BTEXN | 1,2,4/1,3,5-TMB | TPH-GRO/DRO/RO | ECPT/SAF/Bioson (SP) | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|------|-------------|-------|------------------|-----|-------------|------------------|-------|-----------------|----------------|----------------------|---------------------|
| NATIVE B502-3' | 10-23-23 | 1245 | 3 | | X | | | | | X | | | | | X | 1 |
| NATIVE B502-6' | 10-23-23 | 1250 | 3 | | X | | | | | X | | | | | X | 2 |
| | | | | | | | | | | | | | | | | 3 |
| | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | | | | | 6 |
| | | | | | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | | | 10 |

Relinquished By: [Signature]

Relinquished By: [Signature]

Date: 10/23/23 Time: 1540

Date: 10/23/23 Time: 1540

Received By: [Signature]

Received By: [Signature]

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

Date Results Needed: 8

Origins Laboratory, Inc.

[Signature]

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 48101211 Client: Ensolum
Client Project ID: PSC FSV facility

Checklist Completed by: TOTIENS Shipped Via: 11P
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 10/23/23 Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____
Cooler Number/Temperature: 1 / 8 °C 1 °C 1 °C (Describe) _____ °C
Thermometer ID: 7004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-----|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <u>SD</u> |
| Is there ice present (document if blue ice is used) | <input checked="" 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"/> | | |
| 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"/> | | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" 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"/> | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" 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"/> | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" 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"/> | | |
| 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"/> | | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analysis in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | <input checked="" type="checkbox"/> | <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.

Reviewed by (Project Manager): UCS Date/Time Reviewed: 10/23/23

Origins Laboratory, Inc.

J. Bynon

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

PWV-B01@5'

10/23/2023 10:45:00AM

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

Origins Laboratory, Inc.
Y310611-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|
| Boron | 0.154 | 0.101 | mg/L | 1 | B3J2410 | 10/24/2023 | 10/25/2023 |
|-------|-------|-------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|-----|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 386 | 25.0 | mg/kg | 1 | B3J2302 | 10/23/2023 | 10/23/2023 |
| Residual Range Organics (C28-C40) | 109 | 100 | " | " | " | " | " |

| | | | | | |
|------------------------|-------|--------|---|---|---|
| Surrogate: o-Terphenyl | 104 % | 50-150 | " | " | " |
|------------------------|-------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|--------|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3J2332 | 10/23/2023 | 10/24/2023 | Ua |
| 1,3,5-Trimethylbenzene | 0.0101 | 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 | 6.13 | 0.200 | " | " | " | " | " | |

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 101 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 110 % | 70-130 | " | " | " |

Origins Laboratory, Inc.



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PWV-B01@5'

10/23/2023 10:45:00AM

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

Origins Laboratory, Inc.
Y310611-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 4-Bromofluorobenzene | 92.4 % | 70-130 | B3J23 32 | 10/23/2023 | 10/24/2023 |
|---------------------------------|--------|--------|-------------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 2.60 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | 1.11 | 0.823 | " | " | " | " | " |
| Sodium | 2.01 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | 0.285 | 0.002 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 |
| 2-Methylnaphthalene | 0.397 | 0.002 | " | " | " | " | " |
| Acenaphthene | 0.067 | 0.020 | " | " | " | " | " |
| 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 |
| Fluorene | 0.069 | 0.020 | " | " | " | " | " |

Origins Laboratory, Inc.



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Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

PWV-B01@5'

10/23/2023 10:45:00AM

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

Origins Laboratory, Inc.
Y310611-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|-------|-------|-------|---|---------|------------|------------|----|
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 | Ua |
| Naphthalene | 0.039 | 0.002 | " | " | " | " | " | |
| Pyrene | ND | 0.020 | " | " | " | " | " | Ua |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 100 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 82.2 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 100 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.86 | pH Units | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.47 | 0.0100 | SAR | 1 | B3J2416 | 10/24/2023 | 10/25/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.635 | 0.00500 | mmhos/cm | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.86 | 0.0906 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

PWV-B01@5'

10/23/2023 10:45:00AM

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

Origins Laboratory, Inc.
Y310611-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Barium | 57.6 | 9.06 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 |
| Cadmium | 0.143 | 0.0906 | " | " | " | " | " |
| Copper | ND | 9.06 | " | " | " | " | " |
| Lead | 12.8 | 9.06 | " | " | " | " | " |
| Nickel | ND | 9.06 | " | " | " | " | " |
| Selenium | 0.163 | 0.0906 | " | " | " | " | " |
| Silver | ND | 0.0906 | " | " | " | " | " |
| Zinc | ND | 90.6 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.121 | 0.303 | mg/kg dry | 1 | 2513662 | 10/25/2023 | 10/25/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

PWV-W01@2.5'

10/23/2023 10:55:00AM

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

Origins Laboratory, Inc.
Y310611-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|------|-------|------|---|---------|------------|------------|
| Boron | 2.60 | 0.101 | mg/L | 1 | B3J2410 | 10/24/2023 | 10/25/2023 |
|-------|------|-------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 3420 | 25.0 | mg/kg | 1 | B3J2302 | 10/23/2023 | 10/23/2023 |
| Residual Range Organics (C28-C40) | 1340 | 100 | " | " | " | " | " |

| | | | | | |
|------------------------|-------|--------|---|---|---|
| Surrogate: o-Terphenyl | 119 % | 50-150 | " | " | " |
|------------------------|-------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|--------|--------|-------|-----|---------|------------|------------|
| 1,2,4-Trimethylbenzene | 17.2 | 0.500 | mg/kg | 250 | B3J2332 | 10/23/2023 | 10/24/2023 |
| 1,3,5-Trimethylbenzene | 8.13 | 0.0500 | " | 25 | " | " | 10/24/2023 |
| Benzene | 0.0570 | 0.0500 | " | " | " | " | " |
| Ethylbenzene | ND | 0.0500 | " | " | " | " | " R-05, Ua |
| Toluene | ND | 0.0500 | " | " | " | " | " R-05, Ua |
| Xylenes, total | 27.6 | 0.0500 | " | " | " | " | " |
| Gasoline Range Hydrocarbons | 1770 | 50.0 | " | 250 | " | " | 10/24/2023 |

| | | | | | |
|----------------------------------|--------|--------|---|---|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 94.1 % | 70-130 | " | " | 10/24/2023 |
| Surrogate: Toluene-d8 | 124 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.9 % | 70-130 | " | " | " |

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Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

PWV-W01@2.5'

10/23/2023 10:55:00AM

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

Origins Laboratory, Inc.
Y310611-02 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 0.794 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 19.6 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|---------------------------|--------|--------|-------|----|---------|------------|---------------|
| 1-Methylnaphthalene | 3.55 | 0.020 | mg/kg | 10 | B3J2325 | 10/23/2023 | 10/24/2023 |
| 2-Methylnaphthalene | 6.92 | 0.020 | " | " | " | " | " |
| Acenaphthene | 0.534 | 0.020 | " | 1 | " | " | 10/24/2023 |
| Anthracene | 0.070 | 0.020 | " | " | " | " | " |
| Benzo (a) anthracene | ND | 0.010 | " | 2 | " | " | 10/24/2023 Ua |
| Benzo (a) pyrene | 0.059 | 0.040 | " | " | " | " | " |
| Benzo (b) fluoranthene | ND | 0.040 | " | " | " | " | " Ua |
| Benzo (k) fluoranthene | ND | 0.040 | " | " | " | " | " Ua |
| Chrysene | 0.049 | 0.040 | " | " | " | " | " |
| Dibenz (a,h) anthracene | ND | 0.040 | " | " | " | " | " Ua |
| Fluoranthene | ND | 0.020 | " | 1 | " | " | 10/24/2023 Ua |
| Fluorene | 0.682 | 0.020 | " | " | " | " | " |
| Indeno (1,2,3-cd) pyrene | ND | 0.040 | " | 2 | " | " | 10/24/2023 Ua |
| Naphthalene | 1.60 | 0.020 | " | 10 | " | " | 10/24/2023 |
| Pyrene | ND | 0.040 | " | 2 | " | " | 10/24/2023 Ua |
| Surrogate: Fluorene-d10 | 75.3 % | 60-130 | | | " | " | 10/24/2023 |
| Surrogate: Anthracene-d10 | 106 % | 60-130 | | | " | " | " |

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PWV-W01@2.5'

10/23/2023 10:55:00AM

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

Origins Laboratory, Inc.
Y310611-02 (Soil)

PAH by EPA 8270E

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Pyrene-d10 | 79.6 % | 60-130 | B3J2325 | 10/23/2023 | 10/24/2023 |
| Surrogate: Benzo (a) pyrene-d12 | 87.6 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.61 | pH Units | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 28.5 | 0.0100 | SAR | 1 | B3J2416 | 10/24/2023 | 10/25/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.83 | 0.00500 | mmhos/cm | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.67 | 0.0945 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 |
| Barium | 62.7 | 9.45 | " | " | " | " | " |
| Cadmium | 0.153 | 0.0945 | " | " | " | " | " |
| Copper | ND | 9.45 | " | " | " | " | " |
| Lead | 10.4 | 9.45 | " | " | " | " | " |
| Nickel | ND | 9.45 | " | " | " | " | " |
| Selenium | 0.113 | 0.0945 | " | " | " | " | " |
| Silver | ND | 0.0945 | " | " | " | " | " |

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PWV-W01@2.5'

10/23/2023 10:55:00AM

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

Origins Laboratory, Inc.
Y310611-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|------|----|--|------|-------|----|---------|------------|------------|--|
| Zinc | ND | | 94.5 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 | |
|------|----|--|------|-------|----|---------|------------|------------|--|

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.114 | 0.284 | mg/kg dry | 1 | 2513662 | 10/25/2023 | 10/25/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST01@0.5'

10/23/2023 11:05:00AM

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

Origins Laboratory, Inc.
Y310611-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|--|
| Boron | ND | 0.100 | mg/L | 1 | B3J2410 | 10/24/2023 | 10/25/2023 | |
|-------|----|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3J2302 | 10/23/2023 | 10/23/2023 | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | Ua |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 100 % | 50-150 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3J2332 | 10/23/2023 | 10/24/2023 | 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 | 98.2 % | 70-130 | | | " | " | " | |
|----------------------------------|--------|--------|--|--|---|---|---|--|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST01@0.5'

10/23/2023 11:05:00AM

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

Origins Laboratory, Inc.
Y310611-03 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 101 % | 70-130 | B3J2332 | 10/23/2023 | 10/24/2023 |
| Surrogate: 4-Bromofluorobenzene | 95.2 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 7.46 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | 3.26 | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|----|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 | 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 |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST01@0.5'

10/23/2023 11:05:00AM

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

Origins Laboratory, Inc.
Y310611-03 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|----|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 | Ua |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | Ua |
| Naphthalene | ND | 0.002 | " | " | " | " | " | Ua |
| Pyrene | ND | 0.020 | " | " | " | " | " | Ua |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 100 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 96.6 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 83.5 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 100 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 4.45 | pH Units | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.123 | 0.0100 | SAR | 1 | B3J2416 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.32 | 0.00500 | mmhos/cm | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST01@0.5'

10/23/2023 11:05:00AM

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

Origins Laboratory, Inc.
Y310611-03 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.75 | 0.0846 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 |
| Barium | 36.0 | 8.46 | " | " | " | " | " |
| Cadmium | ND | 0.0846 | " | " | " | " | " |
| Copper | ND | 8.46 | " | " | " | " | " |
| Lead | ND | 8.46 | " | " | " | " | " |
| Nickel | ND | 8.46 | " | " | " | " | " |
| Selenium | ND | 0.0846 | " | " | " | " | " |
| Silver | ND | 0.0846 | " | " | " | " | " |
| Zinc | ND | 84.6 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.102 | 0.254 | mg/kg dry | 1 | 2513662 | 10/25/2023 | 10/25/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST02@0.5'
10/23/2023 11:10:00AM

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

Origins Laboratory, Inc.
Y310611-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0991 | mg/L | 1 | B3J2410 | 10/24/2023 | 10/25/2023 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3J2302 | 10/23/2023 | 10/23/2023 | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | Ua |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 99.0 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3J2332 | 10/23/2023 | 10/24/2023 | 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 | 96.4 % | 70-130 | | | " | " | " | |
|----------------------------------|--------|--------|--|--|---|---|---|--|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST02@0.5'

10/23/2023 11:10:00AM

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

Origins Laboratory, Inc.
Y310611-04 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 102 % | 70-130 | B3J2332 | 10/23/2023 | 10/24/2023 |
| Surrogate: 4-Bromofluorobenzene | 94.4 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | 0.009 | 0.002 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 |
| 2-Methylnaphthalene | 0.023 | 0.002 | " | " | " | " | " |
| 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 |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST02@0.5'

10/23/2023 11:10:00AM

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

Origins Laboratory, Inc. Y310611-04 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|----|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 | Ua |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | Ua |
| Naphthalene | ND | 0.002 | " | " | " | " | " | Ua |
| Pyrene | ND | 0.020 | " | " | " | " | " | Ua |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 97.5 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 99.6 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 114 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 5.49 | pH Units | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.395 | 0.0100 | SAR | 1 | B3J2416 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0807 | 0.00500 | mmhos/cm | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

AST02@0.5'

10/23/2023 11:10:00AM

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

Origins Laboratory, Inc.
Y310611-04 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.77 | 0.0909 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 |
| Barium | 45.0 | 9.09 | " | " | " | " | " |
| Cadmium | 0.103 | 0.0909 | " | " | " | " | " |
| Copper | ND | 9.09 | " | " | " | " | " |
| Lead | ND | 9.09 | " | " | " | " | " |
| Nickel | ND | 9.09 | " | " | " | " | " |
| Selenium | ND | 0.0909 | " | " | " | " | " |
| Silver | ND | 0.0909 | " | " | " | " | " |
| Zinc | ND | 90.9 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.139 | 0.347 | mg/kg dry | 1 | 2513662 | 10/25/2023 | 10/25/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

SEP01-OUTLET@4'
10/23/2023 12:00:00PM

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

Origins Laboratory, Inc.
Y310611-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.760 | 0.0999 | mg/L | 1 | B3J2410 | 10/24/2023 | 10/25/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3J2302 | 10/23/2023 | 10/23/2023 | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | Ua |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 93.7 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3J2332 | 10/23/2023 | 10/24/2023 | 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 |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

SEP01-OUTLET@4'

10/23/2023 12:00:00PM

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

Origins Laboratory, Inc.

Y310611-05 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|----------------------------------|--------|--------|---------|------------|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 98.2 % | 70-130 | B3J2332 | 10/23/2023 | 10/24/2023 |
| Surrogate: Toluene-d8 | 101 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.7 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 1.63 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | 1.11 | 0.823 | " | " | " | " | " |
| Sodium | 2.86 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.13 | pH Units | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 2.45 | 0.0100 | SAR | 1 | B3J2416 | 10/24/2023 | 10/25/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.634 | 0.00500 | mmhos/cm | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

SEP01-INLET@4'
10/23/2023 12:10:00PM

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

Origins Laboratory, Inc.
Y310611-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0991 | mg/L | 1 | B3J2410 | 10/24/2023 | 10/25/2023 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3J2302 | 10/23/2023 | 10/23/2023 | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | Ua |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 101 % | 50-150 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3J2332 | 10/23/2023 | 10/24/2023 | 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 |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

SEP01-INLET@4'

10/23/2023 12:10:00PM

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

Origins Laboratory, Inc.

Y310611-06 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|----------------------------------|--------|--------|---------|------------|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 97.7 % | 70-130 | B3J2332 | 10/23/2023 | 10/24/2023 |
| Surrogate: Toluene-d8 | 101 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 93.0 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 1.68 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.07 | pH Units | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.164 | 0.0100 | SAR | 1 | B3J2416 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.287 | 0.00500 | mmhos/cm | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01@4'

10/23/2023 1:35:00PM

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

Origins Laboratory, Inc.
Y310611-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.304 | 0.0983 | mg/L | 1 | B3J2411 | 10/24/2023 | 10/25/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | 34.2 | 25.0 | mg/kg | 1 | B3J2302 | 10/23/2023 | 10/23/2023 | |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | Ua |

| | | | | | | | | |
|------------------------|-------|--------|---|---|---|---|---|--|
| Surrogate: o-Terphenyl | 102 % | 50-150 | " | " | " | " | " | |
|------------------------|-------|--------|---|---|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|-------|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3J2332 | 10/23/2023 | 10/24/2023 | 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 | 0.639 | 0.200 | " | " | " | " | " | |

| | | | | | | | | |
|----------------------------------|--------|--------|---|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 97.6 % | 70-130 | " | " | " | " | " | |
| Surrogate: Toluene-d8 | 103 % | 70-130 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01@4'

10/23/2023 1:35:00PM

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

Origins Laboratory, Inc.
Y310611-07 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 4-Bromofluorobenzene | 94.3 % | 70-130 | B3J23 32 | 10/23/2023 | 10/24/2023 |
|---------------------------------|--------|--------|-------------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 1.07 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | 0.927 | 0.823 | " | " | " | " | " |
| Sodium | 4.13 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|------------|------------|----|
| 1-Methylnaphthalene | 0.024 | 0.002 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 | |
| 2-Methylnaphthalene | 0.053 | 0.002 | " | " | " | " | " | |
| 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 |
| Fluorene | ND | 0.020 | " | " | " | " | " | Ua |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01@4'

10/23/2023 1:35:00PM

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

Origins Laboratory, Inc.
Y310611-07 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|-------|-------|-------|---|---------|------------|------------|----|
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | mg/kg | 1 | B3J2325 | 10/23/2023 | 10/24/2023 | Ua |
| Naphthalene | 0.012 | 0.002 | " | " | " | " | " | |
| Pyrene | ND | 0.020 | " | " | " | " | " | Ua |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 97.3 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 99.1 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 116 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 99.1 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.04 | pH Units | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 4.14 | 0.0100 | SAR | 1 | B3J2416 | 10/24/2023 | 10/25/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.770 | 0.00500 | mmhos/cm | 1 | B3J2421 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.96 | 0.0893 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01@4'

10/23/2023 1:35:00PM

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

Origins Laboratory, Inc.
Y310611-07 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Barium | 59.5 | 8.93 | mg/kg | 10 | B3J2335 | 10/23/2023 | 10/26/2023 |
| Cadmium | 0.120 | 0.0893 | " | " | " | " | " |
| Copper | ND | 8.93 | " | " | " | " | " |
| Lead | 10.3 | 8.93 | " | " | " | " | " |
| Nickel | ND | 8.93 | " | " | " | " | " |
| Selenium | ND | 0.0893 | " | " | " | " | " |
| Silver | ND | 0.0893 | " | " | " | " | " |
| Zinc | ND | 89.3 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.143 | 0.357 | mg/kg dry | 1 | 2513662 | 10/25/2023 | 10/25/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

TB-BG01@0.5'
10/23/2023 11:15:00AM

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

Origins Laboratory, Inc.
Y310611-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B3J2411 | 10/24/2023 | 10/25/2023 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 0.647 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.85 | | pH Units | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.159 | 0.0100 | SAR | 1 | B3J2417 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.125 | 0.00500 | mmhos/cm | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.05 | 0.0875 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Barium | 47.6 | 8.75 | " | " | " | " | " |
| Cadmium | ND | 0.0875 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

TB-BG01@0.5'
10/23/2023 11:15:00AM

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

Origins Laboratory, Inc.
Y310611-08 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|--------|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.75 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Lead | ND | 8.75 | " | " | " | " | " |
| Nickel | ND | 8.75 | " | " | " | " | " |
| Selenium | 0.0927 | 0.0875 | " | " | " | " | " |
| Silver | ND | 0.0875 | " | " | " | " | " |
| Zinc | ND | 87.5 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.118 | 0.296 | mg/kg dry | 1 | 2516045 | 10/28/2023 | 11/03/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG01@3'
10/23/2023 12:30:00PM

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

Origins Laboratory, Inc.
Y310611-09 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|
| Boron | ND | 0.0986 | mg/L | 1 | B3J2411 | 10/24/2023 | 10/25/2023 |
|-------|----|--------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 1.67 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 0.478 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.24 | | pH Units | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.455 | 0.0100 | SAR | 1 | B3J2417 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.292 | 0.00500 | mmhos/cm | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.60 | 0.0914 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Barium | 49.1 | 9.14 | " | " | " | " | " |
| Cadmium | ND | 0.0914 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG01@3'
10/23/2023 12:30:00PM

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

Origins Laboratory, Inc.
Y310611-09 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|----|--------|-------|----|---------|------------|------------|
| Copper | ND | 9.14 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Lead | ND | 9.14 | " | " | " | " | " |
| Nickel | ND | 9.14 | " | " | " | " | " |
| Selenium | ND | 0.0914 | " | " | " | " | " |
| Silver | ND | 0.0914 | " | " | " | " | " |
| Zinc | ND | 91.4 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.107 | 0.268 | mg/kg dry | 1 | 2516045 | 10/28/2023 | 11/03/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG01@6'
10/23/2023 12:40:00PM

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

Origins Laboratory, Inc.
Y310611-10 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.114 | 0.0995 | mg/L | 1 | B3J2411 | 10/24/2023 | 10/25/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 1.81 | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 0.570 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.19 | | pH Units | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.535 | 0.0100 | SAR | 1 | B3J2417 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.318 | 0.00500 | mmhos/cm | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.46 | 0.0914 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Barium | 22.0 | 9.14 | " | " | " | " | " |
| Cadmium | ND | 0.0914 | " | " | " | " | " |
| Copper | ND | 9.14 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG01@6'
10/23/2023 12:40:00PM

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

Origins Laboratory, Inc.
Y310611-10 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|----|--------|-------|----|---------|------------|------------|
| Lead | ND | 9.14 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Nickel | ND | 9.14 | " | " | " | " | " |
| Selenium | ND | 0.0914 | " | " | " | " | " |
| Silver | ND | 0.0914 | " | " | " | " | " |
| Zinc | ND | 91.4 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.112 | 0.281 | mg/kg dry | 1 | 2516045 | 10/28/2023 | 11/03/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG02@3'
10/23/2023 12:45:00PM

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

Origins Laboratory, Inc.
Y310611-11 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B3J2411 | 10/24/2023 | 10/25/2023 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.22 | | pH Units | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.481 | 0.0100 | SAR | 1 | B3J2417 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.116 | 0.00500 | mmhos/cm | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 0.661 | 0.0925 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Barium | 10.1 | 9.25 | " | " | " | " | " |
| Cadmium | ND | 0.0925 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG02@3'
10/23/2023 12:45:00PM

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

Origins Laboratory, Inc.
Y310611-11 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|----|--------|-------|----|---------|------------|------------|
| Copper | ND | 9.25 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Lead | ND | 9.25 | " | " | " | " | " |
| Nickel | ND | 9.25 | " | " | " | " | " |
| Selenium | ND | 0.0925 | " | " | " | " | " |
| Silver | ND | 0.0925 | " | " | " | " | " |
| Zinc | ND | 92.5 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.134 | 0.335 | mg/kg dry | 1 | 2516045 | 10/28/2023 | 11/03/2023 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG02@6'
10/23/2023 12:50:00PM

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

Origins Laboratory, Inc.
Y310611-12 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.101 | mg/L | 1 | B3J2411 | 10/24/2023 | 10/25/2023 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 10/24/2023 | 10/25/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.18 | | pH Units | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.550 | 0.0100 | SAR | 1 | B3J2417 | 10/24/2023 | 10/25/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.129 | 0.00500 | mmhos/cm | 1 | B3J2422 | 10/24/2023 | 10/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.83 | 0.0835 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Barium | 26.1 | 8.35 | " | " | " | " | " |
| Cadmium | ND | 0.0835 | " | " | " | " | " |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG02@6'
10/23/2023 12:50:00PM

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

Origins Laboratory, Inc.
Y310611-12 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|----|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.35 | mg/kg | 10 | B3J2443 | 10/24/2023 | 10/27/2023 |
| Lead | ND | 8.35 | " | " | " | " | " |
| Nickel | ND | 8.35 | " | " | " | " | " |
| Selenium | ND | 0.0835 | " | " | " | " | " |
| Silver | ND | 0.0835 | " | " | " | " | " |
| Zinc | ND | 83.5 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | | |
|---------------------|----|--------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.0933 | 0.233 | mg/kg dry | 1 | 2516045 | 10/28/2023 | 11/03/2023 | U |
|---------------------|----|--------|-------|-----------|---|---------|------------|------------|---|

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2302 - EPA 3550B | | | | | | | | | | |
| Blank (B3J2302-BLK1) | | | | | Prepared: 10/23/2023 Analyzed: 10/23/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | Ua |
| Surrogate: o-Terphenyl | 25 | | " | 24.9 | | 102 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2302 - EPA 3550B

LCS (B3J2302-BS1)

Prepared: 10/23/2023 Analyzed: 10/23/2023

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 1020 | 50.0 | mg/kg | 1000 | | 102 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 861 | 200 | " | 1000 | | 86.1 | 70-130 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 49.8 | | 101 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2302 - EPA 3550B

| Matrix Spike (B3J2302-MS1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/23/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 937 | 50.0 | mg/kg | 1000 | ND | 93.7 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 827 | 200 | " | 1000 | ND | 82.7 | 70-130 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 49.8 | | 100 | 50-150 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2302 - EPA 3550B

| Matrix Spike Dup (B3J2302-MSD1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/23/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|------|----|--|
| Diesel (C10-C28) | 953 | 50.0 | mg/kg | 1000 | ND | 95.3 | 70-130 | 1.71 | 35 | |
| Residual Range Organics (C28-C40) | 841 | 200 | " | 1000 | ND | 84.1 | 70-130 | 1.60 | 35 | |
| Surrogate: o-Terphenyl | 50 | | " | 49.8 | | 99.6 | 50-150 | | | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2332 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B3J2332-BLK1) | | | | | Prepared: 10/23/2023 Analyzed: 10/23/2023 | | | | | |
| 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 | 0.12 | | " | 0.125 | | 99.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 94.8 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2332 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B3J2332-BS1) | | | | | Prepared: 10/23/2023 Analyzed: 10/23/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0995 | 0.00200 | mg/kg | 0.100 | | 99.5 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0968 | 0.00200 | " | 0.100 | | 96.8 | 70-130 | | | |
| Benzene | 0.0914 | 0.00200 | " | 0.100 | | 91.4 | 70-130 | | | |
| Ethylbenzene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| Naphthalene | 0.108 | 0.00380 | " | 0.100 | | 108 | 70-130 | | | |
| Toluene | 0.0936 | 0.00200 | " | 0.100 | | 93.6 | 70-130 | | | |
| o-Xylene | 0.0996 | 0.00200 | " | 0.100 | | 99.6 | 70-130 | | | |
| m,p-Xylene | 0.196 | 0.00400 | " | 0.200 | | 98.2 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2332 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike (B3J2332-MS1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/23/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0914 | 0.00200 | mg/kg | 0.100 | ND | 91.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0901 | 0.00200 | " | 0.100 | ND | 90.1 | 70-130 | | | |
| Benzene | 0.0815 | 0.00200 | " | 0.100 | ND | 81.5 | 70-130 | | | |
| Ethylbenzene | 0.0924 | 0.00200 | " | 0.100 | ND | 92.4 | 70-130 | | | |
| Naphthalene | 0.0957 | 0.00380 | " | 0.100 | ND | 95.7 | 70-130 | | | |
| Toluene | 0.0852 | 0.00200 | " | 0.100 | ND | 85.2 | 70-130 | | | |
| o-Xylene | 0.0920 | 0.00200 | " | 0.100 | ND | 92.0 | 70-130 | | | |
| m,p-Xylene | 0.181 | 0.00400 | " | 0.200 | ND | 90.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 94.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2332 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B3J2332-MSD1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/23/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0991 | 0.00200 | mg/kg | 0.100 | ND | 99.1 | 70-130 | 8.17 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0971 | 0.00200 | " | 0.100 | ND | 97.1 | 70-130 | 7.44 | 20 | |
| Benzene | 0.0899 | 0.00200 | " | 0.100 | ND | 89.9 | 70-130 | 9.85 | 20 | |
| Ethylbenzene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | 9.23 | 20 | |
| Naphthalene | 0.105 | 0.00380 | " | 0.100 | ND | 105 | 70-130 | 9.44 | 20 | |
| Toluene | 0.0924 | 0.00200 | " | 0.100 | ND | 92.4 | 70-130 | 8.11 | 20 | |
| o-Xylene | 0.100 | 0.00200 | " | 0.100 | ND | 100 | 70-130 | 8.43 | 20 | |
| m,p-Xylene | 0.198 | 0.00400 | " | 0.200 | ND | 98.8 | 70-130 | 8.67 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2335 - EPA 3050B

Blank (B3J2335-BLK1)

Prepared: 10/23/2023 Analyzed: 10/26/2023

| | | | |
|----------|----|----------|-------|
| Arsenic | ND | 0.000100 | mg/kg |
| Barium | ND | 0.0100 | " |
| Cadmium | ND | 0.000100 | " |
| Copper | ND | 0.0100 | " |
| Lead | ND | 0.0100 | " |
| Nickel | ND | 0.0100 | " |
| Selenium | ND | 0.000100 | " |
| Silver | ND | 0.000100 | " |
| Zinc | ND | 0.100 | " |

LCS (B3J2335-BS1)

Prepared: 10/23/2023 Analyzed: 10/26/2023

| | | | | | | |
|----------|--------|----------|-------|--------|------|--------|
| Arsenic | 0.0536 | 0.000100 | mg/kg | 0.0500 | 107 | 80-120 |
| Barium | 5.11 | 0.0100 | " | 5.00 | 102 | 80-120 |
| Cadmium | 0.0525 | 0.000100 | " | 0.0500 | 105 | 80-120 |
| Copper | 0.509 | 0.0100 | " | 0.500 | 102 | 80-120 |
| Lead | 0.0516 | 0.0100 | " | 0.0500 | 103 | 80-120 |
| Nickel | 0.0544 | 0.0100 | " | 0.0500 | 109 | 80-120 |
| Selenium | 0.0522 | 0.000100 | " | 0.0500 | 104 | 80-120 |
| Silver | 0.0536 | 0.000100 | " | 0.0500 | 107 | 80-120 |
| Zinc | 0.485 | 0.100 | " | 0.500 | 97.1 | 80-120 |

Matrix Spike (B3J2335-MS1)

Source: Y310604-01

Prepared: 10/23/2023 Analyzed: 10/26/2023

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2335 - EPA 3050B

| Matrix Spike (B3J2335-MS1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/26/2023 | | | | | |
|----------------------------|------|--------------------|-------|------|---|------|--------|--|--|-------|
| Arsenic | 6.33 | 0.0870 | mg/kg | 4.35 | 1.63 | 108 | 75-125 | | | |
| Barium | 495 | 8.70 | " | 435 | 44.5 | 104 | 75-125 | | | |
| Cadmium | 4.75 | 0.0870 | " | 4.35 | 0.0772 | 107 | 75-125 | | | |
| Copper | 46.2 | 8.70 | " | 43.5 | 3.57 | 98.0 | 75-125 | | | |
| Lead | 9.23 | 8.70 | " | 4.35 | 4.38 | 111 | 75-125 | | | |
| Nickel | 9.35 | 8.70 | " | 4.35 | 3.78 | 128 | 75-125 | | | QM-07 |
| Selenium | 3.87 | 0.0870 | " | 4.35 | ND | 88.9 | 75-125 | | | |
| Silver | 4.76 | 0.0870 | " | 4.35 | 0.0186 | 109 | 75-125 | | | |
| Zinc | 60.9 | 87.0 | " | 43.5 | 16.8 | 102 | 75-125 | | | |

| Matrix Spike Dup (B3J2335-MSD1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/26/2023 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|------|----|--|
| Arsenic | 6.68 | 0.0940 | mg/kg | 4.70 | 1.63 | 108 | 75-125 | 5.51 | 20 | |
| Barium | 526 | 9.40 | " | 470 | 44.5 | 102 | 75-125 | 6.04 | 20 | |
| Cadmium | 5.02 | 0.0940 | " | 4.70 | 0.0772 | 105 | 75-125 | 5.51 | 20 | |
| Copper | 49.1 | 9.40 | " | 47.0 | 3.57 | 96.8 | 75-125 | 6.05 | 20 | |
| Lead | 10.1 | 9.40 | " | 4.70 | 4.38 | 121 | 75-125 | 8.62 | 20 | |
| Nickel | 8.79 | 9.40 | " | 4.70 | 3.78 | 106 | 75-125 | 6.27 | 20 | |
| Selenium | 4.27 | 0.0940 | " | 4.70 | ND | 90.8 | 75-125 | 9.88 | 20 | |
| Silver | 5.08 | 0.0940 | " | 4.70 | 0.0186 | 108 | 75-125 | 6.56 | 20 | |
| Zinc | 64.9 | 94.0 | " | 47.0 | 16.8 | 102 | 75-125 | 6.33 | 20 | |

Batch B3J2443 - EPA 3050B

| Blank (B3J2443-BLK1) | | Prepared: 10/24/2023 Analyzed: 10/27/2023 | | | | | | | | |
|----------------------|----|---|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.000100 | mg/kg | | | | | | | |
| Barium | ND | 0.0100 | " | | | | | | | |
| Cadmium | ND | 0.000100 | " | | | | | | | |

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11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2443 - EPA 3050B

Blank (B3J2443-BLK1)

Prepared: 10/24/2023 Analyzed: 10/27/2023

| | | | |
|----------|----|----------|-------|
| Copper | ND | 0.0100 | mg/kg |
| Lead | ND | 0.0100 | " |
| Nickel | ND | 0.0100 | " |
| Selenium | ND | 0.000100 | " |
| Silver | ND | 0.000100 | " |
| Zinc | ND | 0.100 | " |

LCS (B3J2443-BS1)

Prepared: 10/24/2023 Analyzed: 10/27/2023

| | | | | | | |
|----------|--------|----------|-------|--------|------|--------|
| Arsenic | 0.0536 | 0.000100 | mg/kg | 0.0500 | 107 | 80-120 |
| Barium | 4.97 | 0.0100 | " | 5.00 | 99.4 | 80-120 |
| Cadmium | 0.0524 | 0.000100 | " | 0.0500 | 105 | 80-120 |
| Copper | 0.503 | 0.0100 | " | 0.500 | 101 | 80-120 |
| Lead | 0.0520 | 0.0100 | " | 0.0500 | 104 | 80-120 |
| Nickel | 0.0492 | 0.0100 | " | 0.0500 | 98.3 | 80-120 |
| Selenium | 0.0476 | 0.000100 | " | 0.0500 | 95.1 | 80-120 |
| Silver | 0.0549 | 0.000100 | " | 0.0500 | 110 | 80-120 |
| Zinc | 0.472 | 0.100 | " | 0.500 | 94.5 | 80-120 |

Matrix Spike (B3J2443-MS1)

Source: Y310611-08

Prepared: 10/24/2023 Analyzed: 10/27/2023

| | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|
| Arsenic | 7.19 | 0.0931 | mg/kg | 4.65 | 2.05 | 110 | 75-125 |
| Barium | 485 | 9.31 | " | 465 | 47.6 | 93.9 | 75-125 |
| Cadmium | 4.75 | 0.0931 | " | 4.65 | 0.0700 | 100 | 75-125 |
| Copper | 51.4 | 9.31 | " | 46.5 | 5.99 | 97.5 | 75-125 |
| Lead | 10.2 | 9.31 | " | 4.65 | 5.67 | 97.9 | 75-125 |
| Nickel | 9.79 | 9.31 | " | 4.65 | 6.58 | 68.8 | 75-125 |
| Selenium | 4.14 | 0.0931 | " | 4.65 | 0.0927 | 86.8 | 75-125 |
| Silver | 4.96 | 0.0931 | " | 4.65 | 0.0385 | 106 | 75-125 |

QM-07

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2443 - EPA 3050B | | | | | | | | | | |
| Matrix Spike (B3J2443-MS1) | | Source: Y310611-08 | | | Prepared: 10/24/2023 Analyzed: 10/27/2023 | | | | | |
| Zinc | 65.4 | 93.1 | mg/kg | 46.5 | 30.6 | 74.8 | 75-125 | | | QM-07 |
| Matrix Spike Dup (B3J2443-MSD1) | | Source: Y310611-08 | | | Prepared: 10/24/2023 Analyzed: 10/27/2023 | | | | | |
| Arsenic | 7.19 | 0.0929 | mg/kg | 4.64 | 2.05 | 111 | 75-125 | 0.00402 | 20 | |
| Barium | 496 | 9.29 | " | 464 | 47.6 | 96.5 | 75-125 | 2.25 | 20 | |
| Cadmium | 4.76 | 0.0929 | " | 4.64 | 0.0700 | 101 | 75-125 | 0.228 | 20 | |
| Copper | 52.9 | 9.29 | " | 46.4 | 5.99 | 101 | 75-125 | 2.90 | 20 | |
| Lead | 10.9 | 9.29 | " | 4.64 | 5.67 | 113 | 75-125 | 6.68 | 20 | |
| Nickel | 12.4 | 9.29 | " | 4.64 | 6.58 | 126 | 75-125 | 23.7 | 20 | QM-07 |
| Selenium | 4.22 | 0.0929 | " | 4.64 | 0.0927 | 88.8 | 75-125 | 1.98 | 20 | |
| Silver | 4.88 | 0.0929 | " | 4.64 | 0.0385 | 104 | 75-125 | 1.70 | 20 | |
| Zinc | 75.8 | 92.9 | " | 46.4 | 30.6 | 97.3 | 75-125 | 14.6 | 20 | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2325 - EPA 3580

Blank (B3J2325-BLK1)

Prepared: 10/23/2023 Analyzed: 10/24/2023

| | | | | | | | | | | |
|--------------------------|----|-------|-------|--|--|--|--|--|--|----|
| 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 (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 |
| Pyrene | ND | 0.020 | " | | | | | | | Ua |

| | | | | | | | |
|---------------------------------|-----|--|-------|-----|--|------|--------|
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.1 | 60-130 |
| Surrogate: Pyrene-d10 | 170 | | " | 200 | | 86.8 | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 98.2 | 60-130 |

LCS (B3J2325-BS1)

Prepared: 10/23/2023 Analyzed: 10/24/2023

| | | | | | | | |
|----------------------|-------|-------|-------|-------|--|------|--------|
| 1-Methylnaphthalene | 0.210 | 0.002 | mg/kg | 0.200 | | 105 | 70-130 |
| 2-Methylnaphthalene | 0.209 | 0.002 | " | 0.200 | | 105 | 70-130 |
| Acenaphthene | 0.210 | 0.020 | " | 0.200 | | 105 | 70-130 |
| Anthracene | 0.202 | 0.020 | " | 0.200 | | 101 | 70-130 |
| Benzo (a) anthracene | 0.187 | 0.005 | " | 0.200 | | 93.3 | 70-130 |
| Benzo (a) pyrene | 0.219 | 0.020 | " | 0.200 | | 109 | 70-130 |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2325 - EPA 3580

LCS (B3J2325-BS1)

Prepared: 10/23/2023 Analyzed: 10/24/2023

| | | | | | | | |
|--------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (b) fluoranthene | 0.216 | 0.020 | mg/kg | 0.200 | | 108 | 70-130 |
| Benzo (k) fluoranthene | 0.193 | 0.020 | " | 0.200 | | 96.6 | 70-130 |
| Chrysene | 0.206 | 0.020 | " | 0.200 | | 103 | 70-130 |
| Dibenz (a,h) anthracene | 0.225 | 0.020 | " | 0.200 | | 113 | 70-130 |
| Fluoranthene | 0.229 | 0.020 | " | 0.200 | | 115 | 70-130 |
| Fluorene | 0.211 | 0.020 | " | 0.200 | | 106 | 70-130 |
| Indeno (1,2,3-cd) pyrene | 0.206 | 0.020 | " | 0.200 | | 103 | 70-130 |
| Naphthalene | 0.214 | 0.002 | " | 0.200 | | 107 | 70-130 |
| Pyrene | 0.179 | 0.020 | " | 0.200 | | 89.3 | 70-130 |

| | | | | | | | |
|---------------------------------|-----|--|-------|-----|--|------|--------|
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 102 | 60-130 |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.8 | 60-130 |
| Surrogate: Pyrene-d10 | 170 | | " | 200 | | 84.6 | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 99.2 | 60-130 |

Matrix Spike (B3J2325-MS1)

Source: Y310604-01

Prepared: 10/23/2023 Analyzed: 10/24/2023

| | | | | | | | |
|-------------------------|-------|-------|-------|-------|----|------|--------|
| 1-Methylnaphthalene | 0.225 | 0.002 | mg/kg | 0.200 | ND | 112 | 70-130 |
| 2-Methylnaphthalene | 0.220 | 0.002 | " | 0.200 | ND | 110 | 70-130 |
| Acenaphthene | 0.223 | 0.020 | " | 0.200 | ND | 111 | 70-130 |
| Anthracene | 0.206 | 0.020 | " | 0.200 | ND | 103 | 70-130 |
| Benzo (a) anthracene | 0.204 | 0.005 | " | 0.200 | ND | 102 | 70-130 |
| Benzo (a) pyrene | 0.221 | 0.020 | " | 0.200 | ND | 110 | 70-130 |
| Benzo (b) fluoranthene | 0.223 | 0.020 | " | 0.200 | ND | 112 | 70-130 |
| Benzo (k) fluoranthene | 0.192 | 0.020 | " | 0.200 | ND | 95.9 | 70-130 |
| Chrysene | 0.215 | 0.020 | " | 0.200 | ND | 107 | 70-130 |
| Dibenz (a,h) anthracene | 0.233 | 0.020 | " | 0.200 | ND | 117 | 70-130 |
| Fluoranthene | 0.249 | 0.020 | " | 0.200 | ND | 124 | 70-130 |
| Fluorene | 0.223 | 0.020 | " | 0.200 | ND | 112 | 70-130 |

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Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2325 - EPA 3580

| Matrix Spike (B3J2325-MS1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/24/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Indeno (1,2,3-cd) pyrene | 0.213 | 0.020 | mg/kg | 0.200 | ND | 107 | 70-130 | | | |
| Naphthalene | 0.229 | 0.002 | " | 0.200 | ND | 114 | 70-130 | | | |
| Pyrene | 0.184 | 0.020 | " | 0.200 | ND | 92.2 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 100 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.5 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 170 | | " | 200 | | 82.6 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 99.2 | 60-130 | | | |

| Matrix Spike Dup (B3J2325-MSD1) | | Source: Y310604-01 | | | Prepared: 10/23/2023 Analyzed: 10/24/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| 1-Methylnaphthalene | 0.225 | 0.002 | mg/kg | 0.200 | ND | 112 | 70-130 | 0.159 | 20 | |
| 2-Methylnaphthalene | 0.218 | 0.002 | " | 0.200 | ND | 109 | 70-130 | 0.982 | 20 | |
| Acenaphthene | 0.222 | 0.020 | " | 0.200 | ND | 111 | 70-130 | 0.368 | 20 | |
| Anthracene | 0.196 | 0.020 | " | 0.200 | ND | 97.9 | 70-130 | 5.00 | 20 | |
| Benzo (a) anthracene | 0.205 | 0.005 | " | 0.200 | ND | 103 | 70-130 | 0.684 | 20 | |
| Benzo (a) pyrene | 0.217 | 0.020 | " | 0.200 | ND | 108 | 70-130 | 1.93 | 20 | |
| Benzo (b) fluoranthene | 0.233 | 0.020 | " | 0.200 | ND | 117 | 70-130 | 4.26 | 20 | |
| Benzo (k) fluoranthene | 0.221 | 0.020 | " | 0.200 | ND | 111 | 70-130 | 14.4 | 20 | |
| Chrysene | 0.216 | 0.020 | " | 0.200 | ND | 108 | 70-130 | 0.474 | 20 | |
| Dibenz (a,h) anthracene | 0.241 | 0.020 | " | 0.200 | ND | 120 | 70-130 | 3.06 | 20 | |
| Fluoranthene | 0.254 | 0.020 | " | 0.200 | ND | 127 | 70-130 | 2.16 | 20 | |
| Fluorene | 0.226 | 0.020 | " | 0.200 | ND | 113 | 70-130 | 1.49 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.219 | 0.020 | " | 0.200 | ND | 110 | 70-130 | 2.66 | 20 | |
| Naphthalene | 0.223 | 0.002 | " | 0.200 | ND | 111 | 70-130 | 2.55 | 20 | |
| Pyrene | 0.185 | 0.020 | " | 0.200 | ND | 92.6 | 70-130 | 0.458 | 20 | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.0 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 160 | | " | 200 | | 81.5 | 60-130 | | | |

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Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2325 - EPA 3580

Matrix Spike Dup (B3J2325-MSD1)

Source: Y310604-01

Prepared: 10/23/2023 Analyzed: 10/24/2023

| | | | | | |
|---------------------------------|-----|-------|-----|-----|--------|
| Surrogate: Benzo (a) pyrene-d12 | 200 | ug/kg | 200 | 101 | 60-130 |
|---------------------------------|-----|-------|-----|-----|--------|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2410 - DTPA Sorbitol Preparation

Blank (B3J2410-BLK1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

Boron ND 0.100 mg/L

Duplicate (B3J2410-DUP1)

Source: Y310604-01

Prepared: 10/24/2023 Analyzed: 10/25/2023

Boron 0.0356 0.0993 mg/L 0.0338 5.16 50

Batch B3J2411 - DTPA Sorbitol Preparation

Blank (B3J2411-BLK1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

Boron ND 0.100 mg/L

Duplicate (B3J2411-DUP1)

Source: Y310611-07

Prepared: 10/24/2023 Analyzed: 10/25/2023

Boron 0.261 0.0985 mg/L 0.304 15.3 50

Batch B3J2416 - Saturated Paste Metals

Blank (B3J2416-BLK1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B3J2416-DUP1)

Source: Y310605-01

Prepared: 10/24/2023 Analyzed: 10/25/2023

Calcium PPM 502 10.0 mg/L 449 11.1 50

SAR ND 0.0100 SAR 0.141 200

Magnesium PPM 149 10.0 mg/L 134 10.2 50

Sodium PPM 13.4 10.0 " 13.3 0.676 50

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3J2417 - Saturated Paste Metals

Blank (B3J2417-BLK1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

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

Duplicate (B3J2417-DUP1)

Source: Y310611-08

Prepared: 10/24/2023 Analyzed: 10/25/2023

| | | | | | | |
|---------------|------|--------|------|-------|------|-----|
| Calcium PPM | 14.5 | 10.0 | mg/L | 13.0 | 10.9 | 50 |
| SAR | ND | 0.0100 | SAR | 0.159 | | 200 |
| Magnesium PPM | 2.98 | 10.0 | mg/L | 2.55 | 15.6 | 50 |
| Sodium PPM | 2.55 | 10.0 | " | 2.39 | 6.48 | 50 |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Saturated Paste - Quality Control Origins Laboratory, Inc.

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

Batch B3J2421 - Saturated Paste pH/EC

Blank (B3J2421-BLK1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3J2421-DUP1)

Source: Y310605-01

Prepared: 10/24/2023 Analyzed: 10/25/2023

| | | | | | | |
|---------------------------|------|---------|----------|------|------|----|
| Specific Conductance (EC) | 5.59 | 0.00500 | mmhos/cm | 5.39 | 3.61 | 25 |
| pH | 5.33 | | pH Units | 5.17 | 3.05 | 25 |

Batch B3J2422 - Saturated Paste pH/EC

Blank (B3J2422-BLK1)

Prepared: 10/24/2023 Analyzed: 10/25/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3J2422-DUP1)

Source: Y310611-08

Prepared: 10/24/2023 Analyzed: 10/25/2023

| | | | | | | |
|---------------------------|-------|---------|----------|-------|-------|----|
| pH | 7.89 | | pH Units | 7.85 | 0.508 | 25 |
| Specific Conductance (EC) | 0.138 | 0.00500 | mmhos/cm | 0.125 | 10.1 | 25 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 2513662 - SW846 3060A | | | | | | | | | | |
| BLANK (1205555862-BLK) | | | | | Prepared: 10/25/2023 Analyzed: 10/25/2023 | | | | | |
| Hexavalent Chromium | ND | 0.303 | mg/kg | | | | - | | | U |
| LCS (1205555863-BKS) | | | | | Prepared: 10/25/2023 Analyzed: 10/25/2023 | | | | | |
| Hexavalent Chromium | 2.44 | 0.246 | mg/kg | 2.46 | | 99.3 | 80-120 | | | |
| DUP (1205555866 D) | | | | | Source: 642424002 Prepared: 10/25/2023 Analyzed: 10/25/2023 | | | | | |
| Hexavalent Chromium | ND | 0.314 | mg/kg dry | | <0.126 | | 0-50 | N/A | 50 | U |
| MS (1205555867 S) | | | | | Source: 642424002 Prepared: 10/25/2023 Analyzed: 10/25/2023 | | | | | |
| Hexavalent Chromium | 2.31 | 0.317 | mg/kg dry | 3.17 | <0.127 | 73 | 75-125 | | | |
| ILCS (1205555868-ILCS) | | | | | Prepared: 10/25/2023 Analyzed: 10/25/2023 | | | | | |
| Hexavalent Chromium | 6.23 | 0.308 | mg/kg | 6.35 | | 98 | 80-120 | | | |
| Batch 2516045 - SW846 3060A | | | | | | | | | | |
| BLANK (1205559779-BLK) | | | | | Prepared: 10/28/2023 Analyzed: 11/03/2023 | | | | | |
| Hexavalent Chromium | ND | 0.211 | mg/kg | | | | - | | | U |
| LCS (1205559780-BKS) | | | | | Prepared: 10/28/2023 Analyzed: 11/03/2023 | | | | | |
| Hexavalent Chromium | 3.05 | 0.307 | mg/kg | 3.07 | | 99.3 | 80-120 | | | |
| DUP (1205559783 D) | | | | | Source: Y310611-08 Prepared: 10/28/2023 Analyzed: 11/03/2023 | | | | | |
| Hexavalent Chromium | ND | 0.296 | mg/kg dry | | <0.118 | | 0-50 | N/A | 50 | U |
| MS (1205559784 S) | | | | | Source: Y310611-08 Prepared: 10/28/2023 Analyzed: 11/03/2023 | | | | | |
| Hexavalent Chromium | 2.81 | 0.296 | mg/kg dry | 2.96 | <0.118 | 94.9 | 75-125 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 2516045 - SW846 3060A

ILCS (1205559785-ILCS)

Prepared: 10/28/2023 Analyzed: 11/03/2023

| | | | | | | |
|---------------------|------|-------|-------|------|------|--------|
| Hexavalent Chromium | 5.22 | 0.259 | mg/kg | 5.46 | 95.7 | 80-120 |
|---------------------|------|-------|-------|------|------|--------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA
Facility

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.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

Origins Laboratory, Inc.



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January 12, 2024

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - PSC 15-10 FSV, 24A&4 O
SA Facility**

Project Number - 09A1417392

Attached are your analytical results for KMG - PSC 15-10 FSV, 24A&4 O SA Facility received by Origins Laboratory, Inc. December 06, 2023. This project is associated with Origins project number Y312157-01.

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: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------|---------------|--------|------------------------|------------------|
| FL01-B01@6.5' | Y312157-01 | Soil | December 6, 2023 11:00 | 12/06/2023 16:09 |
| FL01-S01@3.5' | Y312157-02 | Soil | December 6, 2023 11:03 | 12/06/2023 16:09 |
| FL01-E01@3.5' | Y312157-03 | Soil | December 6, 2023 11:06 | 12/06/2023 16:09 |
| FL01-N01@3.5' | Y312157-04 | Soil | December 6, 2023 11:09 | 12/06/2023 16:09 |
| FL01-W01@3.5' | Y312157-05 | Soil | December 6, 2023 11:12 | 12/06/2023 16:09 |
| B01@4' | Y312157-06 | Soil | December 6, 2023 11:21 | 12/06/2023 16:09 |
| B02@5' | Y312157-07 | Soil | December 6, 2023 11:19 | 12/06/2023 16:09 |
| B03@6' | Y312157-08 | Soil | December 6, 2023 11:16 | 12/06/2023 16:09 |
| N01@2' | Y312157-09 | Soil | December 6, 2023 11:25 | 12/06/2023 16:09 |
| E01@2' | Y312157-10 | Soil | December 6, 2023 11:28 | 12/06/2023 16:09 |
| E02@3' | Y312157-11 | Soil | December 6, 2023 12:04 | 12/06/2023 16:09 |
| W01@3' | Y312157-12 | Soil | December 6, 2023 11:56 | 12/06/2023 16:09 |
| W02@2' | Y312157-13 | Soil | December 6, 2023 11:53 | 12/06/2023 16:09 |
| S01@3' | Y312157-14 | Soil | December 6, 2023 12:01 | 12/06/2023 16:09 |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA
Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| S02@3' | Y312157-15 | Soil | December 6, 2023 11:59 | 12/06/2023 16:09 |

Origins Laboratory, Inc.



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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: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

www.originslaboratory.com

INITIAL **JE** page 1 of 2

Project Manager: Jeremy Espinoza

Project Name: PSC 15-10 FSV 24A & 4 O SA Facility

Project Number: 09A1417392

Samples Collected By: JE

Client: Ensolum

Address: _____

Telephone Number: _____

Email Address: KMG-Team

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | Matrix | | Analysis | Sample Instructions |
|------------------------|-----------------------|-------------------|------------------------|-----------------------|-------------------|--|-------------|------|----------|--|
| | | | | Unpreserved | HCl | HNO ₃ | Groundwater | Soil | | |
| FL01-B01E6S1 | 17/06/23 | 1100 | 3 | X | | | X | | XX | Ni & Zn added to all PL samples per Paulina's email on 11/07/15 |
| FL01-S01E3S1 | | 1103 | | | | | | | | |
| FL01-E01E3S1 | | 1106 | | | | | | | | |
| FL01-M01E3S1 | | 1109 | | | | | | | | |
| FL01-W01E3S1 | | 1112 | | | | | | | | |
| B01E41 | | 1121 | | | | | | | | |
| B02E51 | | 1119 | | | | | | | | |
| B05E61 | | 1116 | | | | | | | | |
| M01E21 | | 1125 | | | | | | | | |
| E01E21 | | 1128 | | | | | | | | |
| Relinquished By: _____ | Date: <u>17/06/23</u> | Time: <u>1609</u> | Received By: <u>JE</u> | Date: <u>17/06/23</u> | Time: <u>1009</u> | Turnaround Time: <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard | | | | |

Temp Received: 2 Date Results Needed: _____

Origins Laboratory, Inc.

Bynon

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4312157

Client: ENSOLUM

Client Project ID: PSC 15-10 FSV, 24A&4

Checklist Completed by: EHS

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

Date/time completed: 12/6/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 2 °C _____ °C _____ °C (Describe)

Thermometer ID: 1001

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

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

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 12/6/23

Origins Laboratory, Inc.

[Signature]

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@6.5'

12/6/2023 11:00:00AM

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

Origins Laboratory, Inc.
Y312157-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.107 | 0.0991 | mg/L | 1 | B3L0702 | 12/07/2023 | 12/08/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|-----|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 524 | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 |
| Residual Range Organics (C28-C40) | 122 | 100 | " | " | " | " | " |

| | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 101 % | 50-150 | | | " | " | " |
|------------------------|-------|--------|--|--|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|-----|------|-------|----|---------|------------|------------|
| Gasoline Range Hydrocarbons | 225 | 5.00 | mg/kg | 25 | B3L0630 | 12/06/2023 | 12/07/2023 |
|-----------------------------|-----|------|-------|----|---------|------------|------------|

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 111 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 90.7 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|---------------------|-------|-------|-------|----|---------|------------|------------|
| 1-Methylnaphthalene | 1.42 | 0.020 | mg/kg | 10 | B3L0633 | 12/06/2023 | 12/07/2023 |
| 2-Methylnaphthalene | 3.00 | 0.020 | " | " | " | " | " |
| Acenaphthene | 0.169 | 0.020 | " | 1 | " | " | 12/07/2023 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@6.5'

12/6/2023 11:00:00AM

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

Origins Laboratory, Inc.
Y312157-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|-------|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | 0.252 | 0.020 | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | 0.022 | 0.002 | " | " | " | " | " | |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 97.3 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 87.0 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.3 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 104 % | 60-130 | " | " | " |

Total Metals by 6020B

| | | | | | | | | |
|--------|------|--------|------|-------|---|---------|------------|------------|
| Nickel | 8.25 | 0.0635 | 0.25 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|--------|------|--------|------|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@6.5'

12/6/2023 11:00:00AM

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

Waypoint Analytical, LLC.
Y312157-01 (Soil)

Total Metals by 6020B

| | | | | | | | | |
|------|----|-------|-----|-------|---|---------|------------|------------|
| Zinc | 35 | 0.535 | 2.5 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|------|----|-------|-----|-------|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|----------|--------|--------|------|-------|---|---------|---|------------|
| Arsenic | 0.893 | 0.0855 | 0.25 | mg/Kg | 5 | L722333 | " | 12/24/2023 |
| Barium | 65.6 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.0653 | 0.026 | 0.25 | " | " | " | " | " J |
| Lead | 7.61 | 0.031 | 0.25 | " | " | " | " | " |
| Selenium | 0.555 | 0.103 | 0.25 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S01@3.5'

12/6/2023 11:03:00AM

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

Origins Laboratory, Inc.
Y312157-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.319 | 0.0994 | mg/L | 1 | B3L0702 | 12/07/2023 | 12/08/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | 57.5 | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 | |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 100 % | 50-150 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|------|-------|-------|---|---------|------------|------------|--|
| Gasoline Range Hydrocarbons | 1.48 | 0.200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | |
|-----------------------------|------|-------|-------|---|---------|------------|------------|--|

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 103 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 87.9 % | 70-130 | | | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|-------|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | 0.003 | 0.002 | " | " | " | " | " | |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S01@3.5'

12/6/2023 11:03:00AM

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

Origins Laboratory, Inc.
Y312157-02 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 83.2 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 99.4 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 102 % | 60-130 | " | " | " |

Total Metals by 6020B

| | | | | | | | | |
|--------|------|--------|------|-------|---|---------|------------|------------|
| Nickel | 5.08 | 0.0635 | 0.25 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|--------|------|--------|------|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S01@3.5'

12/6/2023 11:03:00AM

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

Waypoint Analytical, LLC.
Y312157-02 (Soil)

Total Metals by 6020B

| | | | | | | | | |
|------|------|-------|-----|-------|---|---------|------------|------------|
| Zinc | 27.1 | 0.535 | 2.5 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|------|------|-------|-----|-------|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|----------|-------|--------|------|-------|---|---------|---|------------|
| Arsenic | 1.31 | 0.0855 | 0.25 | mg/Kg | 5 | L722333 | " | 12/24/2023 |
| Barium | 54.6 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.134 | 0.026 | 0.25 | " | " | " | " | " |
| Lead | 8.05 | 0.031 | 0.25 | " | " | " | " | " |
| Selenium | 0.456 | 0.103 | 0.25 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E01@3.5'

12/6/2023 11:06:00AM

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

Origins Laboratory, Inc.
Y312157-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0993 | mg/L | 1 | B3L0702 | 12/07/2023 | 12/08/2023 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 98.1 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 95.3 % | 70-130 | | | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E01@3.5'

12/6/2023 11:06:00AM

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

Origins Laboratory, Inc.
Y312157-03 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 81.8 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 99.1 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 106 % | 60-130 | " | " | " |

Total Metals by 6020B

| | | | | | | | | |
|--------|------|--------|------|-------|---|---------|------------|------------|
| Nickel | 3.34 | 0.0635 | 0.25 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|--------|------|--------|------|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E01@3.5'

12/6/2023 11:06:00AM

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

Waypoint Analytical, LLC.
Y312157-03 (Soil)

Total Metals by 6020B

| | | | | | | | | |
|------|------|-------|-----|-------|---|---------|------------|------------|
| Zinc | 14.9 | 0.535 | 2.5 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|------|------|-------|-----|-------|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|----------|--------|--------|------|-------|---|---------|---|------------|
| Arsenic | 0.732 | 0.0855 | 0.25 | mg/Kg | 5 | L722333 | " | 12/24/2023 |
| Barium | 40.6 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.0566 | 0.026 | 0.25 | " | " | " | " | " J |
| Lead | 3.36 | 0.031 | 0.25 | " | " | " | " | " |
| Selenium | 0.394 | 0.103 | 0.25 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-N01@3.5'

12/6/2023 11:09:00AM

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

Origins Laboratory, Inc.
Y312157-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.222 | 0.0990 | mg/L | 1 | B3L0702 | 12/07/2023 | 12/08/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 99.6 % | 50-150 | | | " | " | " |
|------------------------|--------|--------|--|--|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 97.6 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-N01@3.5'

12/6/2023 11:09:00AM

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

Origins Laboratory, Inc.
Y312157-04 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 104 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 82.0 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 95.0 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | 60-130 | " | " | " |

Total Metals by 6020B

| | | | | | | | | |
|--------|------|--------|------|-------|---|---------|------------|------------|
| Nickel | 4.21 | 0.0635 | 0.25 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|--------|------|--------|------|-------|---|---------|------------|------------|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-N01@3.5'

12/6/2023 11:09:00AM

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

Waypoint Analytical, LLC.
Y312157-04 (Soil)

Total Metals by 6020B

| | | | | | | | | |
|------|------|-------|-----|-------|---|---------|------------|------------|
| Zinc | 22.7 | 0.535 | 2.5 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|------|------|-------|-----|-------|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|----------|--------|--------|------|-------|---|---------|---|------------|
| Arsenic | 0.893 | 0.0855 | 0.25 | mg/Kg | 5 | L722333 | " | 12/24/2023 |
| Barium | 42.8 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.0996 | 0.026 | 0.25 | " | " | " | " | " J |
| Lead | 6.1 | 0.031 | 0.25 | " | " | " | " | " |
| Selenium | 0.354 | 0.103 | 0.25 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-W01@3.5'

12/6/2023 11:12:00AM

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

Origins Laboratory, Inc.
Y312157-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0985 | mg/L | 1 | B3L0702 | 12/07/2023 | 12/08/2023 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 102 % | 50-150 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 102 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 96.0 % | 70-130 | | | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-W01@3.5'

12/6/2023 11:12:00AM

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

Origins Laboratory, Inc.
Y312157-05 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 81.9 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.7 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 105 % | 60-130 | " | " | " |

Total Metals by 6020B

| | | | | | | | | |
|--------|------|--------|------|-------|---|---------|------------|------------|
| Nickel | 4.38 | 0.0635 | 0.25 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|--------|------|--------|------|-------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-W01@3.5'

12/6/2023 11:12:00AM

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

Waypoint Analytical, LLC.
Y312157-05 (Soil)

Total Metals by 6020B

| | | | | | | | | |
|------|------|-------|-----|-------|---|---------|------------|------------|
| Zinc | 20.9 | 0.535 | 2.5 | mg/Kg | 5 | L722333 | 12/13/2023 | 12/24/2023 |
|------|------|-------|-----|-------|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|----------|--------|--------|------|-------|---|---------|---|------------|
| Arsenic | 0.909 | 0.0855 | 0.25 | mg/Kg | 5 | L722333 | " | 12/24/2023 |
| Barium | 42.7 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.0608 | 0.026 | 0.25 | " | " | " | " | " J |
| Lead | 4.38 | 0.031 | 0.25 | " | " | " | " | " |
| Selenium | 0.46 | 0.103 | 0.25 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B01@4'

12/6/2023 11:21:00AM

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

Origins Laboratory, Inc.
Y312157-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.160 | 0.100 | mg/L | 1 | B3L0702 | 12/07/2023 | 12/08/2023 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 99.5 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " | |
|----------------------------------|-------|--------|--|--|---|---|---|--|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B01@4'

12/6/2023 11:21:00AM

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

Origins Laboratory, Inc.
Y312157-06 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 103 % | 70-130 | B3L0630 | 12/06/2023 | 12/06/2023 |
| Surrogate: 4-Bromofluorobenzene | 95.5 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 2.59 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | 0.992 | 0.823 | " | " | " | " | " |
| Sodium | 0.615 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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Ensolum
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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B01@4'

12/6/2023 11:21:00AM

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

Origins Laboratory, Inc.
Y312157-06 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 82.5 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.7 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.17 | pH Units | 1 | B3L0714 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.460 | 0.0100 | SAR | 1 | B3L0709 | 12/07/2023 | 12/08/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 1.62 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 53.6 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.181 | 0.026 | 0.25 | " | " | " | " | J |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B01@4'

12/6/2023 11:21:00AM

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

Waypoint Analytical, LLC.

Y312157-06 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|--|
| Lead | 9.83 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Selenium | 0.774 | 0.103 | 0.25 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B02@5'

12/6/2023 11:19:00AM

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

Origins Laboratory, Inc.
Y312157-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.564 | 0.101 | mg/L | 1 | B3L0702 | 12/07/2023 | 12/08/2023 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 101 % | 50-150 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/07/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | |
|----------------------------------|-------|--------|--|--|---|---|---|--|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B02@5'

12/6/2023 11:19:00AM

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

Origins Laboratory, Inc.
Y312157-07 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 99.0 % | 70-130 | B3L0630 | 12/06/2023 | 12/07/2023 |
| Surrogate: 4-Bromofluorobenzene | 97.0 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 6.82 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | 8.47 | 0.823 | " | " | " | " | " |
| Sodium | 2.83 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B02@5'

12/6/2023 11:19:00AM

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

Origins Laboratory, Inc.
Y312157-07 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 81.1 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 99.9 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 107 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.17 | pH Units | 1 | B3L0714 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.03 | 0.0100 | SAR | 1 | B3L0709 | 12/07/2023 | 12/08/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 1.69 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 58.3 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.107 | 0.026 | 0.25 | " | " | " | " | J |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B02@5'

12/6/2023 11:19:00AM

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

Waypoint Analytical, LLC.

Y312157-07 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|--|
| Lead | 6.71 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Selenium | 0.516 | 0.103 | 0.25 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B03@6'

12/6/2023 11:16:00AM

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

Origins Laboratory, Inc.
Y312157-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.157 | 0.101 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/06/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 101 % | 50-150 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 70-130 | | | " | " | " | |
|----------------------------------|-------|--------|--|--|---|---|---|--|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B03@6'

12/6/2023 11:16:00AM

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

Origins Laboratory, Inc.
Y312157-08 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 101 % | 70-130 | B3L0630 | 12/06/2023 | 12/06/2023 |
| Surrogate: 4-Bromofluorobenzene | 95.5 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 5.02 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | 2.45 | 0.823 | " | " | " | " | " |
| Sodium | 2.62 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

B03@6'

12/6/2023 11:16:00AM

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

Origins Laboratory, Inc.
Y312157-08 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 81.3 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 104 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.75 | pH Units | 1 | B3L0714 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.36 | 0.0100 | SAR | 1 | B3L0709 | 12/07/2023 | 12/08/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 1.72 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 49.3 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.201 | 0.026 | 0.25 | " | " | " | " | J |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA
Facility

B03@6'

12/6/2023 11:16:00AM

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

Waypoint Analytical, LLC.

Y312157-08 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|--|
| Lead | 9.79 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Selenium | 0.727 | 0.103 | 0.25 | " | " | " | " | " | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

N01@2'

12/6/2023 11:25:00AM

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

Origins Laboratory, Inc.
Y312157-09 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.132 | 0.0986 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/07/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 91.0 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 70-130 | " | " | " |
|----------------------------------|-------|--------|---|---|---|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

N01@2'

12/6/2023 11:25:00AM

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

Origins Laboratory, Inc.
Y312157-09 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 101 % | 70-130 | B3L0630 | 12/06/2023 | 12/06/2023 |
| Surrogate: 4-Bromofluorobenzene | 96.2 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 6.32 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | 3.25 | 0.823 | " | " | " | " | " |
| Sodium | 3.01 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

N01@2'

12/6/2023 11:25:00AM

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

Origins Laboratory, Inc.

Y312157-09 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 80.7 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 101 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.76 | pH Units | 1 | B3L0714 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.38 | 0.0100 | SAR | 1 | B3L0709 | 12/07/2023 | 12/08/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 1.37 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 46.7 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.151 | 0.026 | 0.25 | " | " | " | " | J |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA
Facility

N01@2'

12/6/2023 11:25:00AM

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

Waypoint Analytical, LLC.

Y312157-09 (Soil)

Total Metals by 6020B

| | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|
| Lead | 8.83 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Selenium | 0.638 | 0.103 | 0.25 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E01@2'

12/6/2023 11:28:00AM

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

Origins Laboratory, Inc.
Y312157-10 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.282 | 0.0996 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/07/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 98.2 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|-------|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | 0.603 | 0.200 | " | " | " | " | " | |

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

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E01@2'

12/6/2023 11:28:00AM

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

Origins Laboratory, Inc.
Y312157-10 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 4-Bromofluorobenzene | 94.0 % | 70-130 | B3L06 30 | 12/06/2023 | 12/06/2023 |
|---------------------------------|--------|--------|-------------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 2.34 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | 0.006 | 0.002 | " | " | " | " | " | |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |

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11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E01@2'

12/6/2023 11:28:00AM

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

Origins Laboratory, Inc.
Y312157-10 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|---|
| Indeno (1,2,3-cd) pyrene | ND | | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Naphthalene | ND | | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | | 0.020 | " | " | " | " | " | U |

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: Fluorene-d10 | 102 % | | 60-130 | | | " | " | " | |
| Surrogate: Anthracene-d10 | 79.4 % | | 60-130 | | | " | " | " | |
| Surrogate: Pyrene-d10 | 102 % | | 60-130 | | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 106 % | | 60-130 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.01 | | | pH Units | 1 | B3L0714 | 12/07/2023 | 12/08/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 0.136 | | 0.0100 | SAR | 1 | B3L0709 | 12/07/2023 | 12/08/2023 | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|--------|------|-------|---|---------|------------|------------|--|
| Arsenic | 2.1 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Barium | 71.7 | 0.042 | 0.25 | " | " | " | " | " | |
| Cadmium | 0.383 | 0.026 | 0.25 | " | " | " | " | " | |
| Lead | 14.9 | 0.031 | 0.25 | " | " | " | " | " | |
| Selenium | 0.753 | 0.103 | 0.25 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E01@2'

12/6/2023 11:28:00AM

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

Waypoint Analytical, LLC.

Y312157-10 (Soil)

E02@3'

12/6/2023 12:04:00PM

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

Origins Laboratory, Inc.

Y312157-11 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.263 | 0.0997 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|-----|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 407 | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/07/2023 |
| Residual Range Organics (C28-C40) | 233 | 100 | " | " | " | " | " |

| | | | | | |
|------------------------|-------|--------|---|---|---|
| Surrogate: o-Terphenyl | 104 % | 50-150 | " | " | " |
|------------------------|-------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|------------------------|--------|---------|-------|----|---------|------------|--------------|
| 1,2,4-Trimethylbenzene | 0.0122 | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 |
| 1,3,5-Trimethylbenzene | 1.53 | 0.0500 | " | 25 | " | " | 12/07/2023 |
| Benzene | ND | 0.00200 | " | 1 | " | " | 12/06/2023 U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E02@3'

12/6/2023 12:04:00PM

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

Origins Laboratory, Inc.
Y312157-11 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|--------|---------|-------|---|---------|------------|------------|---|
| Toluene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
| Xylenes, total | 0.0912 | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 16.9 | 0.200 | " | " | " | " | " | |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 111 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 91.6 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 0.839 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 4.53 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|----------------------|-------|-------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | 0.445 | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 |
| 2-Methylnaphthalene | 0.553 | 0.002 | " | " | " | " | " |
| Acenaphthene | 0.127 | 0.020 | " | " | " | " | " |
| Anthracene | ND | 0.020 | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | U |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E02@3'

12/6/2023 12:04:00PM

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

Origins Laboratory, Inc.
Y312157-11 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|-------|-------|-------|---|---------|------------|------------|---|
| Benzo (b) fluoranthene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | 0.020 | 0.020 | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | 0.136 | 0.020 | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | 0.056 | 0.002 | " | " | " | " | " | |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 104 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 85.3 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 92.0 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.54 | pH Units | 1 | B3L0715 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 6.05 | 0.0100 | SAR | 1 | B3L0710 | 12/07/2023 | 12/08/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E02@3'

12/6/2023 12:04:00PM

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

Waypoint Analytical, LLC.
Y312157-11 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic | 1.12 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Barium | 48.4 | 0.042 | 0.25 | " | " | " | " | " | |
| Cadmium | 0.0857 | 0.026 | 0.25 | " | " | " | " | " | J |
| Lead | 7.1 | 0.031 | 0.25 | " | " | " | " | " | |
| Selenium | 0.505 | 0.103 | 0.25 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W01@3'

12/6/2023 11:56:00AM

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

Origins Laboratory, Inc.
Y312157-12 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|--|
| Boron | ND | 0.101 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 | |
|-------|----|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/07/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 101 % | 50-150 | | | " | " | " |
|------------------------|-------|--------|--|--|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/06/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " |
|----------------------------------|-------|--------|--|--|---|---|---|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W01@3'

12/6/2023 11:56:00AM

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

Origins Laboratory, Inc.
Y312157-12 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 102 % | 70-130 | B3L0630 | 12/06/2023 | 12/06/2023 |
| Surrogate: 4-Bromofluorobenzene | 94.9 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 8.01 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | 3.11 | 0.823 | " | " | " | " | " |
| Sodium | 2.49 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W01@3'

12/6/2023 11:56:00AM

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

Origins Laboratory, Inc.
Y312157-12 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 81.6 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.9 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 104 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 6.99 | pH Units | 1 | B3L0715 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.06 | 0.0100 | SAR | 1 | B3L0710 | 12/07/2023 | 12/08/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 1.3 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 43.1 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.126 | 0.026 | 0.25 | " | " | " | " | J |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W01@3'

12/6/2023 11:56:00AM

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

Waypoint Analytical, LLC.

Y312157-12 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|--|
| Lead | 5.97 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Selenium | 0.521 | 0.103 | 0.25 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W02@2'

12/6/2023 11:53:00AM

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

Origins Laboratory, Inc.
Y312157-13 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.395 | 0.0996 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/07/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 99.7 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/07/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " | |
|----------------------------------|-------|--------|--|--|---|---|---|--|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W02@2'

12/6/2023 11:53:00AM

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

Origins Laboratory, Inc.
Y312157-13 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 101 % | 70-130 | B3L0630 | 12/06/2023 | 12/07/2023 |
| Surrogate: 4-Bromofluorobenzene | 95.1 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 8.84 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | 4.23 | 0.823 | " | " | " | " | " |
| Sodium | 4.49 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | 0.002 | 0.002 | " | " | " | " | " | |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W02@2'

12/6/2023 11:53:00AM

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

Origins Laboratory, Inc.
Y312157-13 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 81.4 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.5 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 106 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.72 | pH Units | 1 | B3L0715 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.76 | 0.0100 | SAR | 1 | B3L0710 | 12/07/2023 | 12/08/2023 |
|-----|------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 2.02 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 71.2 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.395 | 0.026 | 0.25 | " | " | " | " | " |

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11049 W 44th Avenue, Suite 103

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Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

W02@2'

12/6/2023 11:53:00AM

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

Waypoint Analytical, LLC.

Y312157-13 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|--|
| Lead | 14.4 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Selenium | 0.766 | 0.103 | 0.25 | " | " | " | " | " | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S01@3'

12/6/2023 12:01:00PM

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

Origins Laboratory, Inc.
Y312157-14 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.152 | 0.101 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/07/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 98.9 % | 50-150 | | | " | " | " |
|------------------------|--------|--------|--|--|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/07/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " |
|----------------------------------|-------|--------|--|--|---|---|---|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S01@3'

12/6/2023 12:01:00PM

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

Origins Laboratory, Inc.
Y312157-14 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 101 % | 70-130 | B3L0630 | 12/06/2023 | 12/07/2023 |
| Surrogate: 4-Bromofluorobenzene | 93.3 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 1.62 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 0.441 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S01@3'

12/6/2023 12:01:00PM

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

Origins Laboratory, Inc.
Y312157-14 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 104 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 80.2 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 101 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 104 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.24 | pH Units | 1 | B3L0715 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.420 | 0.0100 | SAR | 1 | B3L0710 | 12/07/2023 | 12/08/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 1.22 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 54.5 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.107 | 0.026 | 0.25 | " | " | " | " | J |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S01@3'

12/6/2023 12:01:00PM

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

Waypoint Analytical, LLC.

Y312157-14 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|--|
| Lead | 8.11 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Selenium | 0.561 | 0.103 | 0.25 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S02@3'

12/6/2023 11:59:00AM

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

Origins Laboratory, Inc.
Y312157-15 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.266 | 0.101 | mg/L | 1 | B3L0705 | 12/07/2023 | 12/08/2023 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L0627 | 12/06/2023 | 12/07/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 101 % | 50-150 | | | " | " | " | |
|------------------------|-------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L0630 | 12/06/2023 | 12/07/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 70-130 | | | " | " | " | |
|----------------------------------|-------|--------|--|--|---|---|---|--|

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S02@3'

12/6/2023 11:59:00AM

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

Origins Laboratory, Inc.
Y312157-15 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 101 % | 70-130 | B3L0630 | 12/06/2023 | 12/07/2023 |
| Surrogate: 4-Bromofluorobenzene | 95.1 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 1.46 | 0.499 | meq/L | 10 | [CALC] | 12/07/2023 | 12/08/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S02@3'

12/6/2023 11:59:00AM

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

Origins Laboratory, Inc.
Y312157-15 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L0633 | 12/06/2023 | 12/07/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 103 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 81.8 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 100 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 107 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.26 | pH Units | 1 | B3L0715 | 12/07/2023 | 12/08/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.375 | 0.0100 | SAR | 1 | B3L0710 | 12/07/2023 | 12/08/2023 |
|-----|-------|--------|-----|---|---------|------------|------------|

Total Metals by 6020B

| | | | | | | | | |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 1.92 | 0.0855 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 |
| Barium | 64.9 | 0.042 | 0.25 | " | " | " | " | " |
| Cadmium | 0.346 | 0.026 | 0.25 | " | " | " | " | " |

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

S02@3'

12/6/2023 11:59:00AM

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

Waypoint Analytical, LLC.

Y312157-15 (Soil)

Total Metals by 6020B

| | | | | | | | | | |
|----------|-------|-------|------|-------|---|---------|------------|------------|--|
| Lead | 13.7 | 0.031 | 0.25 | mg/Kg | 5 | L724956 | 12/28/2023 | 12/29/2023 | |
| Selenium | 0.818 | 0.103 | 0.25 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0627 - EPA 3550B | | | | | | | | | | |
| Blank (B3L0627-BLK1) | | | | | Prepared: 12/06/2023 Analyzed: 12/06/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 26 | | " | 24.9 | | 105 | 50-150 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0627 - EPA 3550B

LCS (B3L0627-BS1)

Prepared: 12/06/2023 Analyzed: 12/06/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 877 | 50.0 | mg/kg | 1000 | | 87.7 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 903 | 200 | " | 1000 | | 90.3 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52 | | " | 49.8 | | 104 | 50-150 | | | |

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0627 - EPA 3550B

| Matrix Spike (B3L0627-MS1) | | Source: Y312157-02 | | | Prepared: 12/06/2023 Analyzed: 12/06/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 913 | 50.0 | mg/kg | 1000 | 57.5 | 85.6 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 935 | 200 | " | 1000 | 51.6 | 88.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 48 | | " | 49.8 | | 95.6 | 50-150 | | | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0627 - EPA 3550B

| Matrix Spike Dup (B3L0627-MSD1) | | Source: Y312157-02 | | | Prepared: 12/06/2023 Analyzed: 12/06/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|------|----|--|
| Diesel (C10-C28) | 888 | 50.0 | mg/kg | 1000 | 57.5 | 83.0 | 70-130 | 2.85 | 35 | |
| Residual Range Organics (C28-C40) | 902 | 200 | " | 1000 | 51.6 | 85.0 | 70-130 | 3.64 | 35 | |
| Surrogate: o-Terphenyl | 48 | | " | 49.8 | | 96.7 | 50-150 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0630 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B3L0630-BLK1) | | | | | Prepared: 12/06/2023 Analyzed: 12/06/2023 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | 104 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | 104 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | 93.8 | | 70-130 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0630 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B3L0630-BS1) | | | | | Prepared: 12/06/2023 Analyzed: 12/06/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.106 | 0.00200 | mg/kg | 0.100 | | 106 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.105 | 0.00200 | " | 0.100 | | 105 | 70-130 | | | |
| Benzene | 0.100 | 0.00200 | " | 0.100 | | 100 | 70-130 | | | |
| Ethylbenzene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| Naphthalene | 0.109 | 0.00380 | " | 0.100 | | 109 | 70-130 | | | |
| Toluene | 0.110 | 0.00200 | " | 0.100 | | 110 | 70-130 | | | |
| o-Xylene | 0.0983 | 0.00200 | " | 0.100 | | 98.3 | 70-130 | | | |
| m,p-Xylene | 0.202 | 0.00400 | " | 0.200 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 87.5 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0630 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike (B3L0630-MS1) | | Source: Y312157-02 | | | Prepared: 12/06/2023 Analyzed: 12/06/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0725 | 0.00200 | mg/kg | 0.100 | ND | 72.5 | 70-130 | | | QM-07 |
| 1,3,5-Trimethylbenzene | 0.0694 | 0.00200 | " | 0.100 | ND | 69.4 | 70-130 | | | |
| Benzene | 0.0867 | 0.00200 | " | 0.100 | ND | 86.7 | 70-130 | | | |
| Ethylbenzene | 0.0789 | 0.00200 | " | 0.100 | ND | 78.9 | 70-130 | | | |
| Naphthalene | 0.0862 | 0.00380 | " | 0.100 | ND | 86.2 | 70-130 | | | |
| Toluene | 0.0894 | 0.00200 | " | 0.100 | ND | 89.4 | 70-130 | | | |
| o-Xylene | 0.0766 | 0.00200 | " | 0.100 | ND | 76.6 | 70-130 | | | |
| m,p-Xylene | 0.160 | 0.00400 | " | 0.200 | ND | 79.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 106 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 90.7 | 70-130 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0630 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B3L0630-MSD1) | | | | | Source: Y312157-02 | | | | | |
| | | | | | | | | | | Prepared: 12/06/2023 Analyzed: 12/06/2023 |
| 1,2,4-Trimethylbenzene | 0.0600 | 0.00200 | mg/kg | 0.100 | ND | 60.0 | 70-130 | 18.9 | 20 | QM-07 |
| 1,3,5-Trimethylbenzene | 0.0573 | 0.00200 | " | 0.100 | ND | 57.3 | 70-130 | 19.1 | 20 | QM-07 |
| Benzene | 0.0793 | 0.00200 | " | 0.100 | ND | 79.3 | 70-130 | 8.84 | 20 | |
| Ethylbenzene | 0.0683 | 0.00200 | " | 0.100 | ND | 68.3 | 70-130 | 14.3 | 20 | QM-07 |
| Naphthalene | 0.0785 | 0.00380 | " | 0.100 | ND | 78.5 | 70-130 | 9.35 | 20 | |
| Toluene | 0.0809 | 0.00200 | " | 0.100 | ND | 80.9 | 70-130 | 10.1 | 20 | |
| o-Xylene | 0.0671 | 0.00200 | " | 0.100 | ND | 67.1 | 70-130 | 13.2 | 20 | QM-07 |
| m,p-Xylene | 0.140 | 0.00400 | " | 0.200 | ND | 69.9 | 70-130 | 13.3 | 20 | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 107 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 86.8 | 70-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

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 B3L0633 - EPA 3580

Blank (B3L0633-BLK1)

Prepared: 12/06/2023 Analyzed: 12/07/2023

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | U |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | U |
| Acenaphthene | ND | 0.020 | " | | | | | | | U |
| Anthracene | ND | 0.020 | " | | | | | | | U |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | U |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Chrysene | ND | 0.020 | " | | | | | | | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | U |
| Fluoranthene | ND | 0.020 | " | | | | | | | U |
| Fluorene | ND | 0.020 | " | | | | | | | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | U |
| Naphthalene | ND | 0.002 | " | | | | | | | U |
| Phenanthrene | ND | 0.020 | " | | | | | | | U |
| Pyrene | ND | 0.020 | " | | | | | | | U |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 160 | | " | 200 | | 81.6 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 98.6 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 107 | 60-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0633 - EPA 3580

LCS (B3L0633-BS1)

Prepared: 12/06/2023 Analyzed: 12/07/2023

| | | | | | | | | | | |
|--------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.210 | 0.002 | mg/kg | 0.200 | | 105 | 70-130 | | | |
| 2-Methylnaphthalene | 0.207 | 0.002 | " | 0.200 | | 103 | 70-130 | | | |
| Acenaphthene | 0.201 | 0.020 | " | 0.200 | | 101 | 70-130 | | | |
| Anthracene | 0.180 | 0.020 | " | 0.200 | | 89.8 | 70-130 | | | |
| Benzo (a) anthracene | 0.167 | 0.005 | " | 0.200 | | 83.6 | 70-130 | | | |
| Benzo (a) pyrene | 0.196 | 0.020 | " | 0.200 | | 98.2 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.238 | 0.020 | " | 0.200 | | 119 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.236 | 0.020 | " | 0.200 | | 118 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.236 | 0.020 | " | 0.200 | | 118 | 70-130 | | | |
| Chrysene | 0.183 | 0.020 | " | 0.200 | | 91.7 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.228 | 0.020 | " | 0.200 | | 114 | 70-130 | | | |
| Fluoranthene | 0.192 | 0.020 | " | 0.200 | | 96.1 | 70-130 | | | |
| Fluorene | 0.206 | 0.020 | " | 0.200 | | 103 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.197 | 0.020 | " | 0.200 | | 98.5 | 70-130 | | | |
| Naphthalene | 0.210 | 0.002 | " | 0.200 | | 105 | 70-130 | | | |
| Phenanthrene | 0.192 | 0.020 | " | 0.200 | | 96.1 | 70-130 | | | |
| Pyrene | 0.196 | 0.020 | " | 0.200 | | 98.0 | 70-130 | | | |

| | | | | | | | | | | |
|---------------------------------|-----|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 103 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 160 | | " | 200 | | 81.6 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 95.8 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 101 | 60-130 | | | |

Matrix Spike (B3L0633-MS1)

Source: Y312157-01

Prepared: 12/06/2023 Analyzed: 12/07/2023

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-----|--------|--|--|-------|
| 1-Methylnaphthalene | 1.69 | 0.002 | mg/kg | 0.200 | 1.42 | 132 | 70-130 | | | QM-02 |
| 2-Methylnaphthalene | 3.42 | 0.002 | " | 0.200 | 3.00 | 213 | 70-130 | | | QM-02 |
| Acenaphthene | 0.450 | 0.020 | " | 0.200 | 0.169 | 141 | 70-130 | | | QM-07 |
| Anthracene | 0.212 | 0.020 | " | 0.200 | ND | 106 | 70-130 | | | |

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Ensolum
11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0633 - EPA 3580

| Matrix Spike (B3L0633-MS1) | | Source: Y312157-01 | | | Prepared: 12/06/2023 Analyzed: 12/07/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (a) anthracene | 0.169 | 0.005 | mg/kg | 0.200 | ND | 84.5 | 70-130 | | | |
| Benzo (a) pyrene | 0.195 | 0.020 | " | 0.200 | 0.014 | 90.7 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.246 | 0.020 | " | 0.200 | 0.002 | 122 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.240 | 0.020 | " | 0.200 | ND | 120 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.226 | 0.020 | " | 0.200 | 0.001 | 112 | 70-130 | | | |
| Chrysene | 0.212 | 0.020 | " | 0.200 | 0.011 | 101 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.238 | 0.020 | " | 0.200 | ND | 119 | 70-130 | | | |
| Fluoranthene | 0.206 | 0.020 | " | 0.200 | 0.004 | 101 | 70-130 | | | |
| Fluorene | 0.508 | 0.020 | " | 0.200 | 0.252 | 128 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.205 | 0.020 | " | 0.200 | ND | 102 | 70-130 | | | |
| Naphthalene | 0.211 | 0.002 | " | 0.200 | 0.022 | 94.6 | 70-130 | | | |
| Phenanthrene | 0.489 | 0.020 | " | 0.200 | 0.241 | 124 | 70-130 | | | |
| Pyrene | 0.182 | 0.020 | " | 0.200 | 0.007 | 87.7 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 97.9 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 170 | | " | 200 | | 85.0 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 96.8 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 106 | 60-130 | | | |

| Matrix Spike Dup (B3L0633-MSD1) | | Source: Y312157-01 | | | Prepared: 12/06/2023 Analyzed: 12/07/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|-------|
| 1-Methylnaphthalene | 1.49 | 0.002 | mg/kg | 0.200 | 1.42 | 32.6 | 70-130 | 12.6 | 20 | QM-02 |
| 2-Methylnaphthalene | 2.88 | 0.002 | " | 0.200 | 3.00 | NR | 70-130 | 17.2 | 20 | QM-02 |
| Acenaphthene | 0.411 | 0.020 | " | 0.200 | 0.169 | 121 | 70-130 | 9.19 | 20 | |
| Anthracene | 0.214 | 0.020 | " | 0.200 | ND | 107 | 70-130 | 1.11 | 20 | |
| Benzo (a) anthracene | 0.164 | 0.005 | " | 0.200 | ND | 82.0 | 70-130 | 3.00 | 20 | |
| Benzo (a) pyrene | 0.194 | 0.020 | " | 0.200 | 0.014 | 90.2 | 70-130 | 0.577 | 20 | |
| Benzo (b) fluoranthene | 0.263 | 0.020 | " | 0.200 | 0.002 | 131 | 70-130 | 6.52 | 20 | QM-07 |
| Benzo (g,h,i) perylene | 0.244 | 0.020 | " | 0.200 | ND | 122 | 70-130 | 1.73 | 20 | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0633 - EPA 3580

| Matrix Spike Dup (B3L0633-MSD1) | | Source: Y312157-01 | | | Prepared: 12/06/2023 Analyzed: 12/07/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| Benzo (k) fluoranthene | 0.230 | 0.020 | mg/kg | 0.200 | 0.001 | 114 | 70-130 | 2.04 | 20 | |
| Chrysene | 0.207 | 0.020 | " | 0.200 | 0.011 | 98.2 | 70-130 | 2.41 | 20 | |
| Dibenz (a,h) anthracene | 0.238 | 0.020 | " | 0.200 | ND | 119 | 70-130 | 0.156 | 20 | |
| Fluoranthene | 0.210 | 0.020 | " | 0.200 | 0.004 | 103 | 70-130 | 1.85 | 20 | |
| Fluorene | 0.470 | 0.020 | " | 0.200 | 0.252 | 109 | 70-130 | 7.84 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.204 | 0.020 | " | 0.200 | ND | 102 | 70-130 | 0.295 | 20 | |
| Naphthalene | 0.200 | 0.002 | " | 0.200 | 0.022 | 88.8 | 70-130 | 5.68 | 20 | |
| Phenanthrene | 0.457 | 0.020 | " | 0.200 | 0.241 | 108 | 70-130 | 6.70 | 20 | |
| Pyrene | 0.208 | 0.020 | " | 0.200 | 0.007 | 101 | 70-130 | 13.3 | 20 | |
| Surrogate: Fluorene-d10 | 190 | | ug/kg | 200 | | 96.8 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 170 | | " | 200 | | 85.3 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 96.1 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 220 | | " | 200 | | 108 | 60-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0702 - DTPA Sorbitol Preparation

Blank (B3L0702-BLK1)

Prepared: 12/07/2023 Analyzed: 12/08/2023

Boron ND 0.100 mg/L

Duplicate (B3L0702-DUP1)

Source: Y312137-01

Prepared: 12/07/2023 Analyzed: 12/08/2023

Boron 0.206 0.100 mg/L 0.191 7.17 50

Batch B3L0705 - DTPA Sorbitol Preparation

Blank (B3L0705-BLK1)

Prepared: 12/07/2023 Analyzed: 12/08/2023

Boron ND 0.100 mg/L

Duplicate (B3L0705-DUP1)

Source: Y312157-08

Prepared: 12/07/2023 Analyzed: 12/08/2023

Boron 0.178 0.101 mg/L 0.157 12.5 50

Batch B3L0709 - Saturated Paste Metals

Blank (B3L0709-BLK1)

Prepared: 12/07/2023 Analyzed: 12/08/2023

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B3L0709-DUP1)

Source: Y312137-01

Prepared: 12/07/2023 Analyzed: 12/08/2023

SAR ND 0.0100 SAR 2.13 200

Calcium PPM 13.9 10.0 mg/L 13.7 1.23 50

Magnesium PPM 10.6 10.0 " 8.71 19.1 50

Sodium PPM 44.6 10.0 " 40.9 8.45 50

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L0710 - Saturated Paste Metals

Blank (B3L0710-BLK1)

Prepared: 12/07/2023 Analyzed: 12/08/2023

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

Duplicate (B3L0710-DUP1)

Source: Y312157-11

Prepared: 12/07/2023 Analyzed: 12/08/2023

| | | | | | | |
|---------------|------|--------|------|------|------|-----|
| Calcium PPM | 10.7 | 10.0 | mg/L | 16.8 | 44.7 | 50 |
| SAR | ND | 0.0100 | SAR | 6.05 | | 200 |
| Magnesium PPM | 1.74 | 10.0 | mg/L | 3.45 | 65.9 | 50 |
| Sodium PPM | 86.4 | 10.0 | " | 104 | 18.7 | 50 |

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Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Saturated Paste - Quality Control Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|----------|-------------|---|------|-------------|------|-----------|-------|
| Batch B3L0714 - Saturated Paste pH/EC | | | | | | | | | | |
| Duplicate (B3L0714-DUP1) | | Source: Y312137-01 | | | Prepared: 12/07/2023 Analyzed: 12/08/2023 | | | | | |
| pH | 9.11 | | pH Units | | 8.68 | | | 4.83 | 25 | |
| Batch B3L0715 - Saturated Paste pH/EC | | | | | | | | | | |
| Duplicate (B3L0715-DUP1) | | Source: Y312157-11 | | | Prepared: 12/07/2023 Analyzed: 12/12/2023 | | | | | |
| pH | 6.64 | | pH Units | | 7.54 | | | 12.7 | 25 | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|-----------------|---|-------------|---|------|-------------|-----|-----------|-------|
| Batch L722333 - 3050B | | | | | | | | | | |
| MSD (L 89896-MSD-L722333) | | | Source: Y312157-05 | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | |
| Zinc | 42.5 | 2.5 | mg/Kg | 23.6 | 20.9 | 92 | 75-125 | 3.9 | 80 | |
| Nickel | 6.66 | 0.25 | " | 2.36 | 4.38 | 97 | 75-125 | 3.8 | 80 | |
| MS (L 89896-MS-L722333) | | | Source: Y312157-05 | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | |
| Nickel | 6.92 | 0.25 | mg/Kg | 2.3 | 4.38 | 110 | 75-125 | | | |
| Zinc | 44.2 | 2.5 | " | 23 | 20.9 | 101 | 75-125 | | | |
| LCS (LCS-L722333) | | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | | | |
| Nickel | 2.47 | 0.25 | mg/Kg | 2.5 | | 99 | 80-120 | | | |
| Zinc | 24.3 | 2.5 | " | 25 | | 97 | 80-120 | | | |
| LRB (LRB-L722333) | | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | | | |
| Nickel | ND | 0.25 | mg/Kg | | | | - | | | |
| Zinc | ND | 2.5 | " | | | | - | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|-----------------|---|-------------|---|------|-------------|------|-----------|-------|
| Batch L724956 - 3050B | | | | | | | | | | |
| MSD (L 87570-MSD-L724956) | | | Source: 87570 | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
| Lead | 44.6 | 0.25 | mg/Kg | 2.31 | 45.5 | 0 | 75-125 | 2 | 80 | I* |
| Selenium | 5.6 | 0.25 | " | 4.63 | 2.17 | 74 | 75-125 | 11.4 | 80 | * |
| Arsenic | 5.07 | 0.25 | " | 2.31 | 3.2 | 81 | 75-125 | 7.7 | 80 | |
| Barium | 134 | 0.25 | " | 4.63 | 143 | 0 | 75-125 | 1.5 | 80 | I* |
| Cadmium | 1.41 | 0.25 | " | 0.463 | 1.05 | 78 | 75-125 | 0 | 80 | |
| MS (L 87570-MS-L724956) | | | Source: 87570 | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
| Selenium | 6.28 | 0.25 | mg/Kg | 4.89 | 2.17 | 84 | 75-125 | | | |
| Barium | 132 | 0.25 | " | 4.89 | 143 | 0 | 75-125 | | | I* |
| Arsenic | 5.48 | 0.25 | " | 2.45 | 3.2 | 93 | 75-125 | | | |
| Cadmium | 1.41 | 0.25 | " | 0.489 | 1.05 | 74 | 75-125 | | | * |
| Lead | 43.7 | 0.25 | " | 2.45 | 45.5 | 0 | 75-125 | | | I* |
| LCS (LCS-L724956) | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | | | |
| Selenium | 4.65 | 0.25 | mg/Kg | 5 | | 93 | 80-120 | | | |
| Lead | 2.29 | 0.25 | " | 2.5 | | 92 | 80-120 | | | |
| Cadmium | 0.469 | 0.25 | " | 0.5 | | 94 | 80-120 | | | |
| Barium | 4.72 | 0.25 | " | 5 | | 94 | 80-120 | | | |
| Arsenic | 2.31 | 0.25 | " | 2.5 | | 92 | 80-120 | | | |
| LRB (LRB-L724956) | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | | | |
| Cadmium | ND | 0.25 | mg/Kg | | | | - | | | |
| Barium | ND | 0.25 | " | | | | - | | | |
| Arsenic | ND | 0.25 | " | | | | - | | | |
| Selenium | ND | 0.25 | " | | | | - | | | |
| Lead | ND | 0.25 | " | | | | - | | | |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|-----------------|---|-------------|---|------|-------------|------|-----------|-------|
| Batch L722333 - 3050B | | | | | | | | | | |
| MSD (L 89896-MSD-L722333) | | | Source: Y312157-05 | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | |
| Lead | 5.79 | 0.25 | mg/Kg | 2.36 | 4.38 | 60 | 75-125 | 3.5 | 80 | * |
| Arsenic | 3.02 | 0.25 | " | 2.36 | 0.909 | 90 | 75-125 | 3.5 | 80 | |
| Barium | 46.5 | 0.25 | " | 4.71 | 42.7 | 81 | 75-125 | 16.3 | 80 | |
| Cadmium | 0.482 | 0.25 | " | 0.471 | 0.0608 | 89 | 75-125 | 3.8 | 80 | |
| Selenium | 4.53 | 0.25 | " | 4.71 | 0.46 | 86 | 75-125 | 3.2 | 80 | |
| MS (L 89896-MS-L722333) | | | Source: Y312157-05 | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | |
| Selenium | 4.68 | 0.25 | mg/Kg | 4.6 | 0.46 | 92 | 75-125 | | | |
| Lead | 6 | 0.25 | " | 2.3 | 4.38 | 70 | 75-125 | | | * |
| Cadmium | 0.501 | 0.25 | " | 0.46 | 0.0608 | 96 | 75-125 | | | |
| Barium | 54.8 | 0.25 | " | 4.6 | 42.7 | 263 | 75-125 | | | * |
| Arsenic | 3.13 | 0.25 | " | 2.3 | 0.909 | 96 | 75-125 | | | |
| LCS (LCS-L722333) | | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | | | |
| Cadmium | 0.491 | 0.25 | mg/Kg | 0.5 | | 98 | 80-120 | | | |
| Barium | 5.02 | 0.25 | " | 5 | | 100 | 80-120 | | | |
| Lead | 2.28 | 0.25 | " | 2.5 | | 91 | 80-120 | | | |
| Selenium | 4.73 | 0.25 | " | 5 | | 95 | 80-120 | | | |
| Arsenic | 2.41 | 0.25 | " | 2.5 | | 96 | 80-120 | | | |
| LRB (LRB-L722333) | | | Prepared: 12/13/2023 Analyzed: 12/24/2023 | | | | | | | |
| Arsenic | ND | 0.25 | mg/Kg | | | | - | | | |
| Selenium | ND | 0.25 | " | | | | - | | | |
| Lead | ND | 0.25 | " | | | | - | | | |
| Cadmium | ND | 0.25 | " | | | | - | | | |
| Barium | ND | 0.25 | " | | | | - | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Notes and Definitions

U Sample is Non-Detect.

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

QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

J Estimated Value. Analyte below reported quantitation limit.

I* [Undefined]

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

Origins Laboratory, Inc.



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

January 10, 2024

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - PSC 15-10 FSV, 24A&4 O SA Facility **Project Number - 09A1417392**

Attached are your analytical results for KMG - PSC 15-10 FSV, 24A&4 O SA Facility received by Origins Laboratory, Inc. December 28, 2023. This project is associated with Origins project number Y312761-01.

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: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA
Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|-------------------------|------------------|
| FL01-B01@10' | Y312761-01 | Soil | December 28, 2023 13:30 | 12/28/2023 17:05 |
| FL01-N01@9' | Y312761-02 | Soil | December 28, 2023 14:40 | 12/28/2023 17:05 |
| FL01-E01@9' | Y312761-03 | Soil | December 28, 2023 14:45 | 12/28/2023 17:05 |
| FL01-S01@9' | Y312761-04 | Soil | December 28, 2023 14:50 | 12/28/2023 17:05 |
| FL01-W01@9' | Y312761-05 | Soil | December 28, 2023 14:55 | 12/28/2023 17:05 |
| E03@3' | Y312761-06 | Soil | December 28, 2023 13:45 | 12/28/2023 17:05 |
| NATIVE-BG03@5' | Y312761-07 | Soil | December 28, 2023 14:00 | 12/28/2023 17:05 |
| NATIVE-BG03@10' | Y312761-08 | Soil | December 28, 2023 14:05 | 12/28/2023 17:05 |
| NATIVE-BG04@5' | Y312761-09 | Soil | December 28, 2023 14:10 | 12/28/2023 17:05 |
| NATIVE-BG04@10' | Y312761-10 | Soil | December 28, 2023 14:15 | 12/28/2023 17:05 |
| NATIVE-BG05@5' | Y312761-11 | Soil | December 28, 2023 14:20 | 12/28/2023 17:05 |
| NATIVE-BG05@10' | Y312761-12 | Soil | December 28, 2023 14:25 | 12/28/2023 17:05 |

Origins Laboratory, Inc.



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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

ORIGINS
LABORATORY, INC

www.originslaboratory.com

Impacted

4312761

page 2 of 2

Client: Ensolum

Address:

Project Manager: Jeremy Espinoza

Project Name: PSC 15-10 FSV, 24A&4 O SA Facility

Project Number: 09A1417392

Telephone Number:

Samples Collected By: JH

Email Address: KMG Team

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | Analysis | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|------------------|-------|-------------|--------|----------------------|--|----------|---------------------|
| | | | | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa Canister # | | | |
| NATIVE-BG-03Q5 | 12-28-23 | 1400 | 2 | X | | | | X | | | Metals | 1 |
| NATIVE-BG-03Q10 | ↑ | 1405 | 1 | | | | | | | | | 2 |
| NATIVE-BG-04Q5 | ↑ | 1410 | 1 | | | | | | | | | 3 |
| NATIVE-BG-04Q10 | ↑ | 1415 | 1 | | | | | | | | | 4 |
| NATIVE-BG-05Q5 | ↑ | 1420 | 1 | | | | | | | | | 5 |
| NATIVE-BG-05Q10 | ↑ | 1425 | 1 | | | | | | | | | 6 |
| | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | 10 |

| | | | | | | |
|--------------------------|------------------|-----------|-----------------|----------------|-----------|--|
| Relinquished By: J. Huda | Date: 12-28-2023 | Time: FDS | Received By: JH | Date: 12-28-23 | Time: FDS | Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/> |
| Relinquished By: | Date: | Time: | Received By: | Date: | Time: | |

Temp Received: 2.5 Date Results Needed

Origins Laboratory, Inc.

J. Bynon

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4312761

Client: Ensolum

Client Project ID: PSC 15-10 FSV 24A B

Checklist Completed by: EHS

Shipped Via: LID 4 OSA

Date/time completed: 12/28/23

(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 2.5 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: 1004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is there ice present (document if blue ice is used) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | <input type="checkbox"/> | <input type="checkbox"/> | <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 type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input checked="" 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 type="checkbox"/> | <input type="checkbox"/> | <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 type="checkbox"/> | <input type="checkbox"/> | <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.

Emmanuel
Reviewed by (Project Manager)

12/28/23
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@10'

12/28/2023 1:30:00PM

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

Origins Laboratory, Inc.
Y312761-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|
| Boron | ND | 0.0999 | mg/L | 1 | B3L2903 | 12/29/2023 | 01/02/2024 |
|-------|----|--------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|-----|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 333 | 25.0 | mg/kg | 1 | B3L2830 | 12/28/2023 | 12/29/2023 |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " U |

| | | | | | |
|------------------------|-------|--------|---|---|---|
| Surrogate: o-Terphenyl | 107 % | 50-150 | " | " | " |
|------------------------|-------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|-----|------|-------|----|---------|------------|------------|
| Gasoline Range Hydrocarbons | 162 | 5.00 | mg/kg | 25 | B3L2831 | 12/28/2023 | 12/29/2023 |
|-----------------------------|-----|------|-------|----|---------|------------|------------|

| | | | | | |
|----------------------------------|-------|--------|---|---|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | " | " | 12/29/2023 |
| Surrogate: Toluene-d8 | 213 % | 70-130 | " | " | " S-GC |
| Surrogate: 4-Bromofluorobenzene | 120 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|---------------------|-------|-------|-------|----|---------|------------|--------------|
| 1-Methylnaphthalene | 0.436 | 0.002 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 |
| 2-Methylnaphthalene | 0.997 | 0.020 | " | 10 | " | " | 12/29/2023 |
| Acenaphthene | ND | 0.020 | " | 1 | " | " | 12/29/2023 U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@10'

12/28/2023 1:30:00PM

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

Origins Laboratory, Inc.
Y312761-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|--------------|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| Benzo (a) anthracene | 0.010 | 0.005 | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | 0.109 | 0.020 | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | 0.003 | 0.002 | " | " | " | " | " | |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 94.7 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 117 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 104 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 94.2 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------------|--------|-------|----|---------|------------|------------|
| Arsenic | 5.21 | 0.0909 | mg/kg | 10 | B3L2832 | 12/28/2023 | 12/29/2023 |
|---------|-------------|--------|-------|----|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@10'

12/28/2023 1:30:00PM

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

Origins Laboratory, Inc.
Y312761-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Barium | 137 | 9.09 | mg/kg | 10 | B3L2832 | 12/28/2023 | 12/29/2023 |
| Cadmium | 0.174 | 0.0909 | " | " | " | " | " |
| Lead | 9.61 | 0.909 | " | " | " | " | " |
| Nickel | 11.3 | 0.909 | " | " | " | " | " |
| Zinc | 41.3 | 9.09 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-N01@9'

12/28/2023 2:40:00PM

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

Origins Laboratory, Inc.
Y312761-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B3L2903 | 12/29/2023 | 01/02/2024 |
|-------|----|-------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 29.9 | 25.0 | mg/kg | 1 | B3L2830 | 12/28/2023 | 12/29/2023 |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | U |

| | | | | | |
|------------------------|-------|--------|---|---|---|
| Surrogate: o-Terphenyl | 103 % | 50-150 | " | " | " |
|------------------------|-------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|------|-------|-------|---|---------|------------|------------|
| Gasoline Range Hydrocarbons | 7.27 | 0.200 | mg/kg | 1 | B3L2831 | 12/28/2023 | 12/29/2023 |
|-----------------------------|------|-------|-------|---|---------|------------|------------|

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 100 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 116 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|---------------------|-------|-------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | 0.039 | 0.002 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 |
| 2-Methylnaphthalene | 0.065 | 0.002 | " | " | " | " | " |
| Acenaphthene | ND | 0.020 | " | " | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-N01@9'

12/28/2023 2:40:00PM

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

Origins Laboratory, Inc.
Y312761-02 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 92.4 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 95.1 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 108 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 100 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 4.96 | 0.0951 | mg/kg | 10 | B3L2832 | 12/28/2023 | 12/29/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-N01@9'

12/28/2023 2:40:00PM

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

Origins Laboratory, Inc.

Y312761-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Barium | 172 | 9.51 | mg/kg | 10 | B3L2832 | 12/28/2023 | 12/29/2023 |
| Cadmium | 0.237 | 0.0951 | " | " | " | " | " |
| Lead | 29.3 | 0.951 | " | " | " | " | " |
| Nickel | 13.2 | 0.951 | " | " | " | " | " |
| Zinc | 58.6 | 9.51 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E01@9'

12/28/2023 2:45:00PM

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

Origins Laboratory, Inc.
Y312761-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|
| Boron | ND | 0.0986 | mg/L | 1 | B3L2903 | 12/29/2023 | 01/02/2024 |
|-------|----|--------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L2830 | 12/28/2023 | 12/29/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 97.3 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B3L2831 | 12/28/2023 | 12/29/2023 | U |
|-----------------------------|----|-------|-------|---|---------|------------|------------|---|

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 107 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 100 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 117 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E01@9'

12/28/2023 2:45:00PM

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

Origins Laboratory, Inc.
Y312761-03 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 96.0 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.6 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 97.9 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 99.3 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 5.68 | 0.0861 | mg/kg | 10 | B3L2832 | 12/28/2023 | 12/29/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E01@9'

12/28/2023 2:45:00PM

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

Origins Laboratory, Inc.

Y312761-03 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Barium | 172 | 8.61 | mg/kg | 10 | B3L2832 | 12/28/2023 | 12/29/2023 |
| Cadmium | 0.184 | 0.0861 | " | " | " | " | " |
| Lead | 10.8 | 0.861 | " | " | " | " | " |
| Nickel | 13.1 | 0.861 | " | " | " | " | " |
| Zinc | 47.4 | 8.61 | " | " | " | " | " |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S01@9'

12/28/2023 2:50:00PM

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

Origins Laboratory, Inc.
Y312761-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|
| Boron | 0.151 | 0.102 | mg/L | 1 | B3L2903 | 12/29/2023 | 01/02/2024 |
|-------|-------|-------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 1470 | 25.0 | mg/kg | 1 | B3L2830 | 12/28/2023 | 12/29/2023 |
| Residual Range Organics (C28-C40) | 540 | 100 | " | " | " | " | " |

| | | | | | | |
|------------------------|--------|--------|---|---|---|---|
| Surrogate: o-Terphenyl | 98.1 % | 50-150 | " | " | " | " |
|------------------------|--------|--------|---|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|---------|---------|-------|----|---------|------------|------------|
| 1,2,4-Trimethylbenzene | 0.00512 | 0.00200 | mg/kg | 1 | B3L2831 | 12/28/2023 | 12/29/2023 |
| 1,3,5-Trimethylbenzene | 0.00378 | 0.00200 | " | " | " | " | " |
| Benzene | ND | 0.00200 | " | " | " | " | " U |
| Ethylbenzene | 0.00348 | 0.00200 | " | " | " | " | " |
| Toluene | 0.00374 | 0.00200 | " | " | " | " | " |
| Xylenes, total | 0.339 | 0.00200 | " | " | " | " | " |
| Gasoline Range Hydrocarbons | 493 | 5.00 | " | 25 | " | " | 12/29/2023 |

| | | | | | |
|----------------------------------|-------|--------|---|---|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 70-130 | " | " | 12/29/2023 |
| Surrogate: Toluene-d8 | 392 % | 70-130 | " | " | S-GC |
| Surrogate: 4-Bromofluorobenzene | 172 % | 70-130 | " | " | S-GC |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S01@9'

12/28/2023 2:50:00PM

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

Origins Laboratory, Inc.
Y312761-04 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 3.31 | 0.499 | meq/L | 10 | [CALC] | 12/30/2023 | 01/02/2024 |
| Magnesium | 1.98 | 0.823 | " | " | " | " | " |
| Sodium | 5.58 | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|---------------------------|-------|--------|-------|----|---------|------------|------------|
| 1-Methylnaphthalene | 3.51 | 0.020 | mg/kg | 10 | B3L2833 | 12/28/2023 | 12/29/2023 |
| 2-Methylnaphthalene | 7.04 | 0.020 | " | " | " | " | " |
| Acenaphthene | 0.063 | 0.020 | " | 1 | " | " | 12/29/2023 |
| Anthracene | 0.069 | 0.020 | " | " | " | " | " |
| Benzo (a) anthracene | 0.055 | 0.005 | " | " | " | " | " |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " U |
| Chrysene | ND | 0.020 | " | " | " | " | " U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " U |
| Fluoranthene | 0.038 | 0.020 | " | " | " | " | " |
| Fluorene | 0.636 | 0.020 | " | " | " | " | " |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " U |
| Naphthalene | 0.020 | 0.002 | " | " | " | " | " |
| Pyrene | 0.026 | 0.020 | " | " | " | " | " |
| Surrogate: Fluorene-d10 | 102 % | 60-130 | | | " | " | " |
| Surrogate: Anthracene-d10 | 128 % | 60-130 | | | " | " | " |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S01@9'

12/28/2023 2:50:00PM

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

Origins Laboratory, Inc.
Y312761-04 (Soil)

PAH by EPA 8270E

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Pyrene-d10 | 75.1 % | 60-130 | B3L2833 | 12/28/2023 | 12/29/2023 |
| Surrogate: Benzo (a) pyrene-d12 | 99.5 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.57 | pH Units | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 3.43 | 0.0100 | SAR | 1 | B3L3001 | 12/30/2023 | 01/02/2024 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.20 | 0.00500 | mmhos/cm | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.73 | 0.0986 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 65.9 | 9.86 | " | " | " | " | " |
| Cadmium | ND | 0.0986 | " | " | " | " | " |
| Copper | ND | 9.86 | " | " | " | " | " |
| Lead | 7.47 | 0.986 | " | " | " | " | " |
| Nickel | 6.56 | 0.986 | " | " | " | " | " |
| Selenium | ND | 0.0986 | " | " | " | " | " |
| Silver | ND | 0.0986 | " | " | " | " | " |

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Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S01@9'

12/28/2023 2:50:00PM

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

Origins Laboratory, Inc.

Y312761-04 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | |
|------|------|--|------|-------|----|---------|------------|------------|
| Zinc | 31.3 | | 9.86 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
|------|------|--|------|-------|----|---------|------------|------------|

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L726555 | 12/28/2023 | 01/08/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-W01@9'

12/28/2023 2:55:00PM

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

Origins Laboratory, Inc.
Y312761-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.101 | mg/L | 1 | B3L2903 | 12/29/2023 | 01/02/2024 |
|-------|----|-------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L2830 | 12/28/2023 | 12/29/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 98.8 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|------|-------|-------|---|---------|------------|------------|
| Gasoline Range Hydrocarbons | 1.29 | 0.200 | mg/kg | 1 | B3L2831 | 12/28/2023 | 12/29/2023 |
|-----------------------------|------|-------|-------|---|---------|------------|------------|

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 107 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 103 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 118 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

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Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-W01@9'

12/28/2023 2:55:00PM

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

Origins Laboratory, Inc.
Y312761-05 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 97.3 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 98.7 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 92.7 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 87.4 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.16 | 0.0898 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

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Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-W01@9'

12/28/2023 2:55:00PM

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

Origins Laboratory, Inc.

Y312761-05 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Barium | 33.3 | 8.98 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Cadmium | ND | 0.0898 | " | " | " | " | " |
| Lead | 6.24 | 0.898 | " | " | " | " | " |
| Nickel | 3.34 | 0.898 | " | " | " | " | " |
| Zinc | 17.8 | 8.98 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E03@3'

12/28/2023 1:45:00PM

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

Origins Laboratory, Inc.
Y312761-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B3L2904 | 12/29/2023 | 01/02/2024 |
|-------|----|-------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L2830 | 12/28/2023 | 12/29/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 99.9 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L2831 | 12/28/2023 | 12/29/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 107 % | 70-130 | " | " | " |
|----------------------------------|-------|--------|---|---|---|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E03@3'

12/28/2023 1:45:00PM

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

Origins Laboratory, Inc.
Y312761-06 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|---------|------------|------------|
| Surrogate: Toluene-d8 | 98.9 % | 70-130 | B3L2831 | 12/28/2023 | 12/29/2023 |
| Surrogate: 4-Bromofluorobenzene | 121 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 1.28 | 0.499 | meq/L | 10 | [CALC] | 12/29/2023 | 01/02/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E03@3'

12/28/2023 1:45:00PM

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

Origins Laboratory, Inc.
Y312761-06 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L2833 | 12/28/2023 | 12/29/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 95.1 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 90.5 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 94.8 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 98.2 % | 60-130 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.27 | pH Units | 1 | B3L2910 | 12/29/2023 | 12/30/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|--------|--------|-----|---|---------|------------|------------|
| SAR | 0.0642 | 0.0100 | SAR | 1 | B3L2907 | 12/29/2023 | 01/02/2024 |
|-----|--------|--------|-----|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.55 | 0.0930 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 54.8 | 9.30 | " | " | " | " | " |
| Cadmium | ND | 0.0930 | " | " | " | " | " |

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Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

E03@3'

12/28/2023 1:45:00PM

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

Origins Laboratory, Inc.

Y312761-06 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|------|------|-------|-------|----|---------|------------|------------|
| Lead | 6.48 | 0.930 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
|------|------|-------|-------|----|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG03@5'

12/28/2023 2:00:00PM

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

Origins Laboratory, Inc. Y312761-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.183 | 0.0986 | mg/L | 1 | B3L2904 | 12/29/2023 | 01/02/2024 |
|-------|-------|--------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 4.56 | 0.499 | meq/L | 10 | [CALC] | 12/29/2023 | 01/02/2024 |
| Magnesium | 1.08 | 0.823 | " | " | " | " | " |
| Sodium | 0.939 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.04 | | pH Units | 1 | B3L2910 | 12/29/2023 | 12/30/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.559 | 0.0100 | SAR | 1 | B3L2907 | 12/29/2023 | 01/02/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.800 | 0.00500 | mmhos/cm | 1 | B3L2910 | 12/29/2023 | 12/30/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.01 | 0.0881 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 61.4 | 8.81 | " | " | " | " | " |
| Cadmium | 0.156 | 0.0881 | " | " | " | " | " |
| Copper | ND | 8.81 | " | " | " | " | " |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG03@5'

12/28/2023 2:00:00PM

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

Origins Laboratory, Inc. Y312761-07 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Lead | 8.06 | 0.881 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Nickel | 5.08 | 0.881 | " | " | " | " | " |
| Selenium | 0.140 | 0.0881 | " | " | " | " | " |
| Silver | ND | 0.0881 | " | " | " | " | " |
| Zinc | 30.7 | 8.81 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L726555 | 12/28/2023 | 01/08/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG03@10'

12/28/2023 2:05:00PM

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

Origins Laboratory, Inc. Y312761-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.101 | mg/L | 1 | B3L2904 | 12/29/2023 | 01/02/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 6.61 | 0.499 | meq/L | 10 | [CALC] | 12/29/2023 | 01/02/2024 |
| Magnesium | 1.06 | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.07 | | pH Units | 1 | B3L2910 | 12/29/2023 | 12/30/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.175 | 0.0100 | SAR | 1 | B3L2907 | 12/29/2023 | 01/02/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.875 | 0.00500 | mmhos/cm | 1 | B3L2910 | 12/29/2023 | 12/30/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.03 | 0.0926 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 28.1 | 9.26 | " | " | " | " | " |
| Cadmium | ND | 0.0926 | " | " | " | " | " |

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Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG03@10'

12/28/2023 2:05:00PM

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

Origins Laboratory, Inc. Y312761-08 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Copper | ND | 9.26 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Lead | 3.49 | 0.926 | " | " | " | " | " |
| Nickel | 2.13 | 0.926 | " | " | " | " | " |
| Selenium | ND | 0.0926 | " | " | " | " | " |
| Silver | ND | 0.0926 | " | " | " | " | " |
| Zinc | 12.1 | 9.26 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L726555 | 12/28/2023 | 01/08/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG04@5'
12/28/2023 2:10:00PM

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

Origins Laboratory, Inc.
Y312761-09 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.101 | mg/L | 1 | B3L2904 | 12/29/2023 | 01/02/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 1.21 | 0.499 | meq/L | 10 | [CALC] | 12/29/2023 | 01/02/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 0.655 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 6.90 | | pH Units | 1 | B3L2910 | 12/29/2023 | 12/30/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.726 | 0.0100 | SAR | 1 | B3L2907 | 12/29/2023 | 01/02/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.318 | 0.00500 | mmhos/cm | 1 | B3L2910 | 12/29/2023 | 12/30/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.10 | 0.0857 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 12.0 | 8.57 | " | " | " | " | " |
| Cadmium | ND | 0.0857 | " | " | " | " | " |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG04@5'

12/28/2023 2:10:00PM

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

Origins Laboratory, Inc. Y312761-09 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.57 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Lead | 1.92 | 0.857 | " | " | " | " | " |
| Nickel | 1.14 | 0.857 | " | " | " | " | " |
| Selenium | ND | 0.0857 | " | " | " | " | " |
| Silver | ND | 0.0857 | " | " | " | " | " |
| Zinc | ND | 8.57 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L726555 | 12/28/2023 | 01/08/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG04@10'

12/28/2023 2:15:00PM

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

Origins Laboratory, Inc. Y312761-10 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|------|------|----|---------|------------|------------|
| Boron | ND | 1.01 | mg/L | 10 | B3L2904 | 12/29/2023 | 01/03/2024 |
|-------|----|------|------|----|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|---|--------|------------|------------|
| Calcium | 10.5 | 0.499 | meq/L | " | [CALC] | 12/30/2023 | 01/02/2024 |
| Magnesium | 3.41 | 0.823 | " | " | " | " | " |
| Sodium | 1.69 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 6.29 | pH Units | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.641 | 0.0100 | SAR | 1 | B3L3001 | 12/30/2023 | 01/02/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.52 | 0.00500 | mmhos/cm | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|--------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.58 | 0.0917 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 41.9 | 9.17 | " | " | " | " | " |
| Cadmium | 0.0981 | 0.0917 | " | " | " | " | " |
| Copper | ND | 9.17 | " | " | " | " | " |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG04@10'
12/28/2023 2:15:00PM

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

Origins Laboratory, Inc.
Y312761-10 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|------|--|--------|-------|----|---------|------------|------------|--|
| Lead | 6.51 | | 0.917 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 | |
| Nickel | 5.18 | | 0.917 | " | " | " | " | " | |
| Selenium | ND | | 0.0917 | " | " | " | " | " | |
| Silver | ND | | 0.0917 | " | " | " | " | " | |
| Zinc | 19.9 | | 9.17 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|-------|-------|-----|-------|---|---------|------------|------------|---|
| Chromium, Hexavalent | 0.248 | 0.244 | 0.5 | mg/Kg | 1 | L726555 | 12/28/2023 | 01/08/2024 | J |
|----------------------|-------|-------|-----|-------|---|---------|------------|------------|---|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG05@5'
12/28/2023 2:20:00PM

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

Origins Laboratory, Inc.
Y312761-11 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.101 | mg/L | 1 | B3L2904 | 12/29/2023 | 01/02/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 12/30/2023 | 01/02/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.28 | | pH Units | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.631 | 0.0100 | SAR | 1 | B3L3001 | 12/30/2023 | 01/02/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0987 | 0.00500 | mmhos/cm | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 0.764 | 0.0871 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 21.0 | 8.71 | " | " | " | " | " |
| Cadmium | ND | 0.0871 | " | " | " | " | " |

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Ensolum
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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG05@5'
12/28/2023 2:20:00PM

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

Origins Laboratory, Inc.
Y312761-11 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------------|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.71 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Lead | 1.60 | 0.871 | " | " | " | " | " |
| Nickel | 1.21 | 0.871 | " | " | " | " | " |
| Selenium | ND | 0.0871 | " | " | " | " | " |
| Silver | ND | 0.0871 | " | " | " | " | " |
| Zinc | 9.83 | 8.71 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L726556 | 12/28/2023 | 01/08/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG05@10'
12/28/2023 2:25:00PM

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

Origins Laboratory, Inc.
Y312761-12 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.102 | mg/L | 1 | B3L2904 | 12/29/2023 | 01/02/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 0.690 | 0.499 | meq/L | 10 | [CALC] | 12/30/2023 | 01/02/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 0.439 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.03 | | pH Units | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.640 | 0.0100 | SAR | 1 | B3L3001 | 12/30/2023 | 01/02/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.158 | 0.00500 | mmhos/cm | 1 | B3L3003 | 12/30/2023 | 12/31/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 0.994 | 0.0877 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Barium | 27.8 | 8.77 | " | " | " | " | " |
| Cadmium | ND | 0.0877 | " | " | " | " | " |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG05@10'

12/28/2023 2:25:00PM

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

Origins Laboratory, Inc. Y312761-12 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.77 | mg/kg | 10 | B3L2834 | 12/28/2023 | 12/29/2023 |
| Lead | 4.16 | 0.877 | " | " | " | " | " |
| Nickel | 2.54 | 0.877 | " | " | " | " | " |
| Selenium | ND | 0.0877 | " | " | " | " | " |
| Silver | ND | 0.0877 | " | " | " | " | " |
| Zinc | 15.7 | 8.77 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L726556 | 12/28/2023 | 01/08/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2830 - EPA 3550B | | | | | | | | | | |
| Blank (B3L2830-BLK1) | | | | | Prepared: 12/28/2023 Analyzed: 12/28/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 26 | | " | 24.9 | | 106 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2830 - EPA 3550B

LCS (B3L2830-BS1)

Prepared: 12/28/2023 Analyzed: 12/28/2023

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 1000 | 50.0 | mg/kg | 1000 | | 100 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 993 | 200 | " | 1000 | | 99.3 | 70-130 | | | |
| Surrogate: o-Terphenyl | 54 | | " | 49.8 | | 108 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2830 - EPA 3550B

| Matrix Spike (B3L2830-MS1) | | Source: Y312759-01 | | | Prepared: 12/28/2023 Analyzed: 12/28/2023 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 1000 | 50.0 | mg/kg | 1000 | ND | 100 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 989 | 200 | " | 1000 | ND | 98.9 | 70-130 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 49.8 | | 99.9 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2830 - EPA 3550B

| Matrix Spike Dup (B3L2830-MSD1) | | Source: Y312759-01 | | | Prepared: 12/28/2023 Analyzed: 12/28/2023 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|-------|----|--|
| Diesel (C10-C28) | 1000 | 50.0 | mg/kg | 1000 | ND | 100 | 70-130 | 0.313 | 35 | |
| Residual Range Organics (C28-C40) | 992 | 200 | " | 1000 | ND | 99.2 | 70-130 | 0.291 | 35 | |
| Surrogate: o-Terphenyl | 48 | | " | 49.8 | | 97.4 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2831 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B3L2831-BLK1) | | | | | Prepared: 12/28/2023 Analyzed: 12/28/2023 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.15 | | " | 0.125 | | 119 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2831 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B3L2831-BS1) | | | | | Prepared: 12/28/2023 Analyzed: 12/28/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.110 | 0.00200 | mg/kg | 0.100 | | 110 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | | | |
| Benzene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| Ethylbenzene | 0.112 | 0.00200 | " | 0.100 | | 112 | 70-130 | | | |
| Naphthalene | 0.104 | 0.00380 | " | 0.100 | | 104 | 70-130 | | | |
| Toluene | 0.0998 | 0.00200 | " | 0.100 | | 99.8 | 70-130 | | | |
| o-Xylene | 0.116 | 0.00200 | " | 0.100 | | 116 | 70-130 | | | |
| m,p-Xylene | 0.224 | 0.00400 | " | 0.200 | | 112 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

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11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2831 - EPA 5030 (soil)

| Matrix Spike (B3L2831-MS1) | | Source: Y312759-01 | | | Prepared: 12/28/2023 Analyzed: 12/28/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0879 | 0.00200 | mg/kg | 0.100 | ND | 87.9 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0843 | 0.00200 | " | 0.100 | ND | 84.3 | 70-130 | | | |
| Benzene | 0.0804 | 0.00200 | " | 0.100 | ND | 80.4 | 70-130 | | | |
| Ethylbenzene | 0.0876 | 0.00200 | " | 0.100 | ND | 87.6 | 70-130 | | | |
| Naphthalene | 0.0804 | 0.00380 | " | 0.100 | ND | 80.4 | 70-130 | | | |
| Toluene | 0.0773 | 0.00200 | " | 0.100 | ND | 77.3 | 70-130 | | | |
| o-Xylene | 0.0935 | 0.00200 | " | 0.100 | ND | 93.5 | 70-130 | | | |
| m,p-Xylene | 0.177 | 0.00400 | " | 0.200 | ND | 88.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 106 | 70-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2831 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B3L2831-MSD1) | Source: Y312759-01 | | | | Prepared: 12/28/2023 Analyzed: 12/28/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0841 | 0.00200 | mg/kg | 0.100 | ND | 84.1 | 70-130 | 4.37 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0793 | 0.00200 | " | 0.100 | ND | 79.3 | 70-130 | 6.12 | 20 | |
| Benzene | 0.0816 | 0.00200 | " | 0.100 | ND | 81.6 | 70-130 | 1.46 | 20 | |
| Ethylbenzene | 0.0841 | 0.00200 | " | 0.100 | ND | 84.1 | 70-130 | 4.05 | 20 | |
| Naphthalene | 0.0821 | 0.00380 | " | 0.100 | ND | 82.1 | 70-130 | 2.19 | 20 | |
| Toluene | 0.0762 | 0.00200 | " | 0.100 | ND | 76.2 | 70-130 | 1.48 | 20 | |
| o-Xylene | 0.0914 | 0.00200 | " | 0.100 | ND | 91.4 | 70-130 | 2.27 | 20 | |
| m,p-Xylene | 0.169 | 0.00400 | " | 0.200 | ND | 84.6 | 70-130 | 4.46 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14 | | " | 0.125 | | 111 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2832 - EPA 3050B

Blank (B3L2832-BLK1)

Prepared: 12/28/2023 Analyzed: 12/29/2023

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

LCS (B3L2832-BS1)

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | | | | |
|----------|------|--------|-------|------|------|--------|
| Arsenic | 4.85 | 0.0100 | mg/kg | 5.00 | 97.0 | 80-120 |
| Barium | 520 | 1.00 | " | 500 | 104 | 80-120 |
| Cadmium | 5.17 | 0.0100 | " | 5.00 | 103 | 80-120 |
| Copper | 50.4 | 1.00 | " | 50.0 | 101 | 80-120 |
| Lead | 5.09 | 0.100 | " | 5.00 | 102 | 80-120 |
| Nickel | 4.84 | 0.100 | " | 5.00 | 96.8 | 80-120 |
| Selenium | 4.67 | 0.0100 | " | 5.00 | 93.3 | 80-120 |
| Silver | 5.11 | 0.0100 | " | 5.00 | 102 | 80-120 |
| Zinc | 47.4 | 1.00 | " | 50.0 | 94.8 | 80-120 |

Matrix Spike (B3L2832-MS1)

Source: Y312759-02

Prepared: 12/28/2023 Analyzed: 12/29/2023

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2832 - EPA 3050B

| Matrix Spike (B3L2832-MS1) | | Source: Y312759-02 | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
|----------------------------|------|--------------------|-------|------|---|------|--------|--|--|-------|
| Arsenic | 9.36 | 0.0860 | mg/kg | 4.30 | 5.73 | 84.4 | 75-125 | | | |
| Barium | 818 | 8.60 | " | 430 | 272 | 127 | 75-125 | | | QM-07 |
| Cadmium | 4.90 | 0.0860 | " | 4.30 | 0.219 | 109 | 75-125 | | | |
| Copper | 54.5 | 8.60 | " | 43.0 | 12.9 | 96.9 | 75-125 | | | |
| Lead | 26.8 | 0.860 | " | 4.30 | 26.8 | NR | 75-125 | | | QM-07 |
| Nickel | 17.8 | 0.860 | " | 4.30 | 14.2 | 83.2 | 75-125 | | | |
| Selenium | 4.24 | 0.0860 | " | 4.30 | 0.213 | 93.6 | 75-125 | | | |
| Silver | 4.68 | 0.0860 | " | 4.30 | 0.0631 | 108 | 75-125 | | | |
| Zinc | 88.8 | 8.60 | " | 43.0 | 52.4 | 84.6 | 75-125 | | | |

| Matrix Spike Dup (B3L2832-MSD1) | | Source: Y312759-02 | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|------|----|-------|
| Arsenic | 10.4 | 0.0890 | mg/kg | 4.45 | 5.73 | 104 | 75-125 | 10.3 | 20 | |
| Barium | 692 | 8.90 | " | 445 | 272 | 94.2 | 75-125 | 16.8 | 20 | QM-07 |
| Cadmium | 5.41 | 0.0890 | " | 4.45 | 0.219 | 117 | 75-125 | 9.93 | 20 | |
| Copper | 59.2 | 8.90 | " | 44.5 | 12.9 | 104 | 75-125 | 8.28 | 20 | |
| Lead | 33.8 | 0.890 | " | 4.45 | 26.8 | 158 | 75-125 | 23.2 | 20 | QM-07 |
| Nickel | 19.4 | 0.890 | " | 4.45 | 14.2 | 116 | 75-125 | 8.62 | 20 | |
| Selenium | 4.30 | 0.0890 | " | 4.45 | 0.213 | 91.7 | 75-125 | 1.36 | 20 | |
| Silver | 5.08 | 0.0890 | " | 4.45 | 0.0631 | 113 | 75-125 | 8.05 | 20 | |
| Zinc | 99.5 | 8.90 | " | 44.5 | 52.4 | 106 | 75-125 | 11.3 | 20 | |

Batch B3L2834 - EPA 3050B

| Blank (B3L2834-BLK1) | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | | | | |
|----------------------|----|---|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.0100 | mg/kg | | | | | | | |
| Barium | ND | 1.00 | " | | | | | | | |
| Cadmium | ND | 0.0100 | " | | | | | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2834 - EPA 3050B

Blank (B3L2834-BLK1)

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | |
|----------|----|--------|-------|
| Copper | ND | 1.00 | mg/kg |
| Lead | ND | 0.100 | " |
| Nickel | ND | 0.100 | " |
| Selenium | ND | 0.0100 | " |
| Silver | ND | 0.0100 | " |
| Zinc | ND | 1.00 | " |

LCS (B3L2834-BS1)

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | | | | |
|----------|------|--------|-------|------|------|--------|
| Arsenic | 5.03 | 0.0100 | mg/kg | 5.00 | 101 | 80-120 |
| Barium | 502 | 1.00 | " | 500 | 100 | 80-120 |
| Cadmium | 5.21 | 0.0100 | " | 5.00 | 104 | 80-120 |
| Copper | 51.7 | 1.00 | " | 50.0 | 103 | 80-120 |
| Lead | 5.06 | 0.100 | " | 5.00 | 101 | 80-120 |
| Nickel | 4.87 | 0.100 | " | 5.00 | 97.5 | 80-120 |
| Selenium | 4.63 | 0.0100 | " | 5.00 | 92.6 | 80-120 |
| Silver | 5.19 | 0.0100 | " | 5.00 | 104 | 80-120 |
| Zinc | 49.4 | 1.00 | " | 50.0 | 98.8 | 80-120 |

Matrix Spike (B3L2834-MS1)

Source: Y312761-04

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | | | | | |
|----------|------|--------|-------|------|--------|-----|--------|
| Arsenic | 6.61 | 0.0908 | mg/kg | 4.54 | 1.73 | 108 | 75-125 |
| Barium | 559 | 9.08 | " | 454 | 65.9 | 109 | 75-125 |
| Cadmium | 5.16 | 0.0908 | " | 4.54 | 0.0661 | 112 | 75-125 |
| Copper | 56.2 | 9.08 | " | 45.4 | 6.61 | 109 | 75-125 |
| Lead | 13.2 | 0.908 | " | 4.54 | 7.47 | 127 | 75-125 |
| Nickel | 11.3 | 0.908 | " | 4.54 | 6.56 | 104 | 75-125 |
| Selenium | 4.60 | 0.0908 | " | 4.54 | 0.0592 | 100 | 75-125 |
| Silver | 5.05 | 0.0908 | " | 4.54 | 0.0552 | 110 | 75-125 |

QM-07

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2834 - EPA 3050B | | | | | | | | | | |
| Matrix Spike (B3L2834-MS1) | | Source: Y312761-04 | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
| Zinc | 78.4 | 9.08 | mg/kg | 45.4 | 31.3 | 104 | 75-125 | | | |
| Matrix Spike Dup (B3L2834-MSD1) | | Source: Y312761-04 | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
| Arsenic | 6.92 | 0.0950 | mg/kg | 4.75 | 1.73 | 109 | 75-125 | 4.51 | 20 | |
| Barium | 611 | 9.50 | " | 475 | 65.9 | 115 | 75-125 | 8.94 | 20 | |
| Cadmium | 5.62 | 0.0950 | " | 4.75 | 0.0661 | 117 | 75-125 | 8.52 | 20 | |
| Copper | 60.8 | 9.50 | " | 47.5 | 6.61 | 114 | 75-125 | 7.84 | 20 | |
| Lead | 13.2 | 0.950 | " | 4.75 | 7.47 | 121 | 75-125 | 0.0193 | 20 | QM-07 |
| Nickel | 11.8 | 0.950 | " | 4.75 | 6.56 | 109 | 75-125 | 3.95 | 20 | |
| Selenium | 4.94 | 0.0950 | " | 4.75 | 0.0592 | 103 | 75-125 | 6.98 | 20 | |
| Silver | 5.50 | 0.0950 | " | 4.75 | 0.0552 | 115 | 75-125 | 8.48 | 20 | |
| Zinc | 83.8 | 9.50 | " | 47.5 | 31.3 | 111 | 75-125 | 6.67 | 20 | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2833 - EPA 3580

Blank (B3L2833-BLK1)

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | U |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | U |
| Acenaphthene | ND | 0.020 | " | | | | | | | U |
| Anthracene | ND | 0.020 | " | | | | | | | U |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | U |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Chrysene | ND | 0.020 | " | | | | | | | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | U |
| Fluoranthene | ND | 0.020 | " | | | | | | | U |
| Fluorene | ND | 0.020 | " | | | | | | | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | U |
| Naphthalene | ND | 0.002 | " | | | | | | | U |
| Phenanthrene | ND | 0.020 | " | | | | | | | U |
| Pyrene | ND | 0.020 | " | | | | | | | U |
| Surrogate: Fluorene-d10 | 190 | | ug/kg | 200 | | 97.0 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 101 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 180 | | " | 200 | | 91.9 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 220 | | " | 200 | | 109 | 60-130 | | | |

LCS (B3L2833-BS1)

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.214 | 0.002 | mg/kg | 0.200 | | 107 | 70-130 | | | |
| 2-Methylnaphthalene | 0.212 | 0.002 | " | 0.200 | | 106 | 70-130 | | | |
| Acenaphthene | 0.213 | 0.020 | " | 0.200 | | 107 | 70-130 | | | |
| Anthracene | 0.184 | 0.020 | " | 0.200 | | 92.0 | 70-130 | | | |

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Ensolum
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2833 - EPA 3580

LCS (B3L2833-BS1)

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (a) anthracene | 0.218 | 0.005 | mg/kg | 0.200 | | 109 | 70-130 |
| Benzo (a) pyrene | 0.227 | 0.020 | " | 0.200 | | 114 | 70-130 |
| Benzo (b) fluoranthene | 0.217 | 0.020 | " | 0.200 | | 109 | 70-130 |
| Benzo (g,h,i) perylene | 0.232 | 0.020 | " | 0.200 | | 116 | 70-130 |
| Benzo (k) fluoranthene | 0.205 | 0.020 | " | 0.200 | | 102 | 70-130 |
| Chrysene | 0.213 | 0.020 | " | 0.200 | | 106 | 70-130 |
| Dibenz (a,h) anthracene | 0.258 | 0.020 | " | 0.200 | | 129 | 70-130 |
| Fluoranthene | 0.217 | 0.020 | " | 0.200 | | 109 | 70-130 |
| Fluorene | 0.212 | 0.020 | " | 0.200 | | 106 | 70-130 |
| Indeno (1,2,3-cd) pyrene | 0.237 | 0.020 | " | 0.200 | | 118 | 70-130 |
| Naphthalene | 0.216 | 0.002 | " | 0.200 | | 108 | 70-130 |
| Phenanthrene | 0.209 | 0.020 | " | 0.200 | | 105 | 70-130 |
| Pyrene | 0.205 | 0.020 | " | 0.200 | | 102 | 70-130 |
| Surrogate: Fluorene-d10 | 190 | | ug/kg | 200 | | 94.5 | 60-130 |
| Surrogate: Anthracene-d10 | 210 | | " | 200 | | 103 | 60-130 |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 95.4 | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 230 | | " | 200 | | 113 | 60-130 |

Matrix Spike (B3L2833-MS1)

Source: Y312759-01

Prepared: 12/28/2023 Analyzed: 12/29/2023

| | | | | | | | |
|------------------------|-------|-------|-------|-------|--------|------|--------|
| 1-Methylnaphthalene | 0.221 | 0.002 | mg/kg | 0.200 | 0.0005 | 110 | 70-130 |
| 2-Methylnaphthalene | 0.212 | 0.002 | " | 0.200 | ND | 106 | 70-130 |
| Acenaphthene | 0.206 | 0.020 | " | 0.200 | 0.0004 | 103 | 70-130 |
| Anthracene | 0.198 | 0.020 | " | 0.200 | 0.0007 | 98.8 | 70-130 |
| Benzo (a) anthracene | 0.202 | 0.005 | " | 0.200 | 0.0007 | 101 | 70-130 |
| Benzo (a) pyrene | 0.210 | 0.020 | " | 0.200 | 0.003 | 103 | 70-130 |
| Benzo (b) fluoranthene | 0.203 | 0.020 | " | 0.200 | 0.002 | 101 | 70-130 |
| Benzo (g,h,i) perylene | 0.215 | 0.020 | " | 0.200 | 0.003 | 106 | 70-130 |

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Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2833 - EPA 3580

| Matrix Spike (B3L2833-MS1) | | Source: Y312759-01 | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.174 | 0.020 | mg/kg | 0.200 | 0.004 | 85.3 | 70-130 | | | |
| Chrysene | 0.210 | 0.020 | " | 0.200 | 0.001 | 105 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.216 | 0.020 | " | 0.200 | 0.005 | 106 | 70-130 | | | |
| Fluoranthene | 0.201 | 0.020 | " | 0.200 | ND | 101 | 70-130 | | | |
| Fluorene | 0.200 | 0.020 | " | 0.200 | 0.0002 | 100 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.223 | 0.020 | " | 0.200 | 0.003 | 110 | 70-130 | | | |
| Naphthalene | 0.211 | 0.002 | " | 0.200 | ND | 105 | 70-130 | | | |
| Phenanthrene | 0.204 | 0.020 | " | 0.200 | 0.0007 | 101 | 70-130 | | | |
| Pyrene | 0.206 | 0.020 | " | 0.200 | ND | 103 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 180 | | ug/kg | 200 | | 90.7 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.8 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 92.6 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 100 | 60-130 | | | |

| Matrix Spike Dup (B3L2833-MSD1) | | Source: Y312759-01 | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| 1-Methylnaphthalene | 0.204 | 0.002 | mg/kg | 0.200 | 0.0005 | 102 | 70-130 | 8.11 | 20 | |
| 2-Methylnaphthalene | 0.201 | 0.002 | " | 0.200 | ND | 100 | 70-130 | 5.34 | 20 | |
| Acenaphthene | 0.199 | 0.020 | " | 0.200 | 0.0004 | 99.3 | 70-130 | 3.65 | 20 | |
| Anthracene | 0.179 | 0.020 | " | 0.200 | 0.0007 | 89.2 | 70-130 | 10.1 | 20 | |
| Benzo (a) anthracene | 0.195 | 0.005 | " | 0.200 | 0.0007 | 96.9 | 70-130 | 3.85 | 20 | |
| Benzo (a) pyrene | 0.205 | 0.020 | " | 0.200 | 0.003 | 101 | 70-130 | 2.20 | 20 | |
| Benzo (b) fluoranthene | 0.219 | 0.020 | " | 0.200 | 0.002 | 109 | 70-130 | 7.49 | 20 | |
| Benzo (g,h,i) perylene | 0.184 | 0.020 | " | 0.200 | 0.003 | 90.5 | 70-130 | 15.4 | 20 | |
| Benzo (k) fluoranthene | 0.199 | 0.020 | " | 0.200 | 0.004 | 97.6 | 70-130 | 13.2 | 20 | |
| Chrysene | 0.203 | 0.020 | " | 0.200 | 0.001 | 101 | 70-130 | 3.17 | 20 | |
| Dibenz (a,h) anthracene | 0.217 | 0.020 | " | 0.200 | 0.005 | 106 | 70-130 | 0.376 | 20 | |
| Fluoranthene | 0.199 | 0.020 | " | 0.200 | ND | 99.7 | 70-130 | 0.808 | 20 | |

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Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2833 - EPA 3580

| Matrix Spike Dup (B3L2833-MSD1) | | Source: Y312759-01 | | | Prepared: 12/28/2023 Analyzed: 12/29/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|------|----|--|
| Fluorene | 0.192 | 0.020 | mg/kg | 0.200 | 0.0002 | 95.8 | 70-130 | 4.25 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.204 | 0.020 | " | 0.200 | 0.003 | 100 | 70-130 | 9.23 | 20 | |
| Naphthalene | 0.203 | 0.002 | " | 0.200 | ND | 102 | 70-130 | 3.57 | 20 | |
| Phenanthrene | 0.198 | 0.020 | " | 0.200 | 0.0007 | 98.4 | 70-130 | 3.04 | 20 | |
| Pyrene | 0.215 | 0.020 | " | 0.200 | ND | 108 | 70-130 | 4.14 | 20 | |
| Surrogate: Fluorene-d10 | 190 | | ug/kg | 200 | | 94.8 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 210 | | " | 200 | | 106 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 180 | | " | 200 | | 92.1 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 104 | 60-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L2903 - DTPA Sorbitol Preparation

Blank (B3L2903-BLK1)

Prepared: 12/29/2023 Analyzed: 01/02/2024

Boron ND 0.100 mg/L

Duplicate (B3L2903-DUP1)

Source: Y312759-04

Prepared: 12/29/2023 Analyzed: 01/02/2024

Boron 0.535 0.101 mg/L 0.535 0.0190 50

Batch B3L2904 - DTPA Sorbitol Preparation

Blank (B3L2904-BLK1)

Prepared: 12/29/2023 Analyzed: 01/02/2024

Boron ND 0.100 mg/L

Duplicate (B3L2904-DUP1)

Source: Y312761-06

Prepared: 12/29/2023 Analyzed: 01/02/2024

Boron 0.110 0.101 mg/L 0.0951 14.2 50

Batch B3L2907 - Saturated Paste Metals

Blank (B3L2907-BLK1)

Prepared: 12/29/2023 Analyzed: 01/02/2024

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B3L2907-DUP1)

Source: Y312759-03

Prepared: 12/29/2023 Analyzed: 01/02/2024

Calcium PPM 53.3 10.0 mg/L 51.5 3.57 50

SAR ND 0.0100 SAR 0.375 200

Magnesium PPM 20.3 10.0 mg/L 20.4 0.295 50

Sodium PPM 13.4 10.0 " 12.6 6.54 50

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Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B3L3001 - Saturated Paste Metals

Blank (B3L3001-BLK1)

Prepared: 12/30/2023 Analyzed: 01/02/2024

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

Duplicate (B3L3001-DUP1)

Source: Y312761-04

Prepared: 12/30/2023 Analyzed: 01/02/2024

| | | | | | | |
|---------------|------|--------|------|------|-------|-----|
| SAR | ND | 0.0100 | SAR | 3.43 | | 200 |
| Calcium PPM | 66.1 | 10.0 | mg/L | 66.4 | 0.408 | 50 |
| Magnesium PPM | 23.7 | 10.0 | " | 24.0 | 1.51 | 50 |
| Sodium PPM | 120 | 10.0 | " | 128 | 6.91 | 50 |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Saturated Paste - Quality Control Origins Laboratory, Inc.

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

Batch B3L2910 - Saturated Paste pH/EC

Blank (B3L2910-BLK1)

Prepared: 12/29/2023 Analyzed: 12/30/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3L2910-DUP1)

Source: Y312759-03

Prepared: 12/29/2023 Analyzed: 12/30/2023

| | | | | | | |
|---------------------------|-------|---------|----------|-------|------|----|
| Specific Conductance (EC) | 0.591 | 0.00500 | mmhos/cm | 0.603 | 1.99 | 25 |
| pH | 8.22 | | pH Units | 8.32 | 1.21 | 25 |

Batch B3L3003 - Saturated Paste pH/EC

Blank (B3L3003-BLK1)

Prepared: 12/30/2023 Analyzed: 12/31/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3L3003-DUP1)

Source: Y312761-04

Prepared: 12/30/2023 Analyzed: 12/31/2023

| | | | | | | |
|---------------------------|------|---------|----------|------|--------|----|
| pH | 7.71 | | pH Units | 7.57 | 1.83 | 25 |
| Specific Conductance (EC) | 1.20 | 0.00500 | mmhos/cm | 1.20 | 0.0914 | 25 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|---------------------------|-----------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| Batch L726556 - | | | | | | | | | | |
| DUP (L 85553-DUP) | Source: Y312761-11 | | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | <0.500 | - | | 0 | 20 | |
| MS (L 85553-MS) | Source: Y312761-11 | | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | 32.5 | 2.5 | mg/Kg | 39.7 | <1.22 | 82 | 75-125 | | | |
| LCS (LCS) | | | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | 6.22 | 0.5 | mg/Kg | 8 | | 78 | 75-125 | | | |
| LRB (LRB) | | | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|--------|---------------------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| Batch L726555 - | | | | | | | | | | |
| DUP (L 85550-DUP) | | Source: Y312761-08 | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | <0.500 | - | | 0 | 20 | |
| MS (L 85550-MS) | | Source: Y312761-08 | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | 31.7 | 2.5 | mg/Kg | 39.6 | <1.22 | 80 | 75-125 | | | |
| LCS (LCS) | | | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | 6.13 | 0.5 | mg/Kg | 8 | | 77 | 75-125 | | | |
| LRB (LRB) | | | | | Prepared: Analyzed: 01/08/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA
Facility

Notes and Definitions

U Sample is Non-Detect.

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

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

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

Origins Laboratory, Inc.



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

February 26, 2024

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - PSC 15-10 FSV, 24A&4 O
SA Facility**

Project Number - 09A1417392

Attached are your analytical results for KMG - PSC 15-10 FSV, 24A&4 O SA Facility received by Origins Laboratory, Inc. February 02, 2024. This project is associated with Origins project number Y402083-01.

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: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|------------------------|------------------|
| FL01-B01@13' | Y402083-01 | Soil | February 2, 2024 10:10 | 02/02/2024 15:24 |
| FL01-S02@3.5' | Y402083-02 | Soil | February 2, 2024 9:56 | 02/02/2024 15:24 |
| FL01-S02@9' | Y402083-03 | Soil | February 2, 2024 10:00 | 02/02/2024 15:24 |
| FL01-E02@3.5' | Y402083-04 | Soil | February 2, 2024 10:04 | 02/02/2024 15:24 |
| FL01-E02@9' | Y402083-05 | Soil | February 2, 2024 10:08 | 02/02/2024 15:24 |
| NATIVE-BG06@13' | Y402083-06 | Soil | February 2, 2024 10:45 | 02/02/2024 15:24 |
| NATIVE-BG07@13' | Y402083-07 | Soil | February 2, 2024 10:49 | 02/02/2024 15:24 |
| NATIVE-BG08@13' | Y402083-08 | Soil | February 2, 2024 10:53 | 02/02/2024 15:24 |
| NATIVE-BG08@13' | Y402083-09 | Soil | February 2, 2024 10:56 | 02/02/2024 15:24 |
| NATIVE-BG10@13' | Y402083-10 | Soil | February 2, 2024 10:59 | 02/02/2024 15:24 |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

ORIGINS

LABORATORY, INC

Client: Ensolum

Address: _____

Telephone Number: _____

Email Address: KMG-TECH

Project Manager: Jeremy Espinoza

Project Name: PSC 15-10 FSV 24A&4 OSA Facility

Project Number: 09A1417392

Samples Collected By: JLE

www.originslaboratory.com

page | of |

IMPACTED

4402083

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | Analysis | | Sample Instructions |
|------------------------------|---|--------------|-----------------|--------------|-----|------------------|-------|-------------|------|----------------------|-------|---------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa Canister # | Other | |
| F101-B01E131 | 2/2/24 | 1010 | 3 | X | | | | | X | | | |
| F101-S02E351 | | 0956 | | | | | | | X | | | |
| F101-S02E91 | | 1000 | | | | | | | X | | | |
| F101-E02E351 | | 1004 | | | | | | | X | | | |
| F101-E02E91 | | 1008 | | | | | | | X | | | |
| NATIVE-B06E131 | | 1045 | | | | | | | X | | | |
| NATIVE-B06E131 | | 1049 | | | | | | | X | | | |
| NATIVE-B06E131 | | 1053 | | | | | | | X | | | |
| NATIVE-B06E131 | | 1056 | | | | | | | X | | | |
| NATIVE-B06E131 | | 1059 | | | | | | | X | | | |
| Relinquished By: [Signature] | Date: 2/2/24 | Time: 1524 | | | | | | | | | | |
| Received By: [Signature] | Date: 2/2/24 | Time: 1524 | | | | | | | | | | |
| Turnaround Time: | <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 72 Hr | | | | | | | | | | | |

Temp Received: 2 Date Results Needed

Origins Laboratory, Inc.

J. Bynon

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 4402083

Client: Ensolum

Client Project ID: PSC 15-10 FSV24A+ 4 OSA

Checklist Completed by: TSTV/EHS

Shipped Via: 110

Date/time completed: 2/2/24

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

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 2 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: 1004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|--------------------------|--------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <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.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 2/2/24

Origins Laboratory, Inc.

[Signature]

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@13'
2/2/2024 10:10:00AM

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

Origins Laboratory, Inc.
Y402083-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0985 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | 27.6 | 25.0 | mg/kg | 1 | B4B0236 | 02/02/2024 | 02/02/2024 | |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 98.8 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|------|-------|-------|---|---------|---|------------|--|
| Gasoline Range Hydrocarbons | 3.61 | 0.200 | mg/kg | 1 | B4B0235 | " | 02/04/2024 | |
|-----------------------------|------|-------|-------|---|---------|---|------------|--|

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 98.5 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 102 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 98.1 % | 70-130 | | | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@13'
2/2/2024 10:10:00AM

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

Origins Laboratory, Inc.
Y402083-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Phenanthrene | ND | 0.020 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 98.9 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 100 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 104 % | 60-130 | " | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-B01@13'

2/2/2024 10:10:00AM

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

Origins Laboratory, Inc.

Y402083-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.27 | 0.0890 | mg/kg | 10 | B4B1220 | 02/12/2024 | 02/16/2024 |
| Barium | 18.4 | 8.90 | " | " | " | " | " |
| Cadmium | ND | 0.0890 | " | " | " | " | " |
| Lead | 3.85 | 0.890 | " | " | " | " | " |
| Nickel | 2.21 | 0.890 | " | " | " | " | " |
| Zinc | 13.8 | 8.90 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S02@3.5'

2/2/2024 9:56:00AM

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

Origins Laboratory, Inc.
Y402083-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.149 | 0.102 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B4B0236 | 02/02/2024 | 02/02/2024 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

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

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|-------|-------|---|---------|---|------------|---|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B4B0235 | " | 02/04/2024 | U |
|-----------------------------|----|-------|-------|---|---------|---|------------|---|

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 103 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 102 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 104 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|-------|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | 0.006 | 0.002 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | |
| 2-Methylnaphthalene | 0.011 | 0.002 | " | " | " | " | " | |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S02@3.5'

2/2/2024 9:56:00AM

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

Origins Laboratory, Inc.
Y402083-02 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Phenanthrene | ND | 0.020 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 92.0 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 99.2 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 99.5 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 111 % | 60-130 | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S02@3.5'

2/2/2024 9:56:00AM

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

Origins Laboratory, Inc.
Y402083-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|--------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.28 | 0.0913 | mg/kg | 10 | B4B1220 | 02/12/2024 | 02/16/2024 |
| Barium | 57.0 | 9.13 | " | " | " | " | " |
| Cadmium | 0.0949 | 0.0913 | " | " | " | " | " |
| Lead | 6.47 | 0.913 | " | " | " | " | " |
| Nickel | 5.94 | 0.913 | " | " | " | " | " |
| Zinc | 31.0 | 9.13 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S02@9'
2/2/2024 10:00:00AM

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

Origins Laboratory, Inc.
Y402083-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|
| Boron | 0.343 | 0.102 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 |
|-------|-------|-------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|------------|------------|
| Diesel (C10-C28) | 1150 | 25.0 | mg/kg | 1 | B4B0236 | 02/02/2024 | 02/02/2024 |
| Residual Range Organics (C28-C40) | 584 | 100 | " | " | " | " | " |

| | | | | | |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 90.0 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|-----|------|-------|----|---------|---|------------|
| Gasoline Range Hydrocarbons | 298 | 5.00 | mg/kg | 25 | B4B0235 | " | 02/04/2024 |
|-----------------------------|-----|------|-------|----|---------|---|------------|

| | | | | | |
|----------------------------------|--------|--------|---|---|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 101 % | 70-130 | " | " | 02/04/2024 |
| Surrogate: Toluene-d8 | 201 % | 70-130 | " | " | " S-GC |
| Surrogate: 4-Bromofluorobenzene | 91.5 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | |
|---------------------|-------|-------|-------|----|---------|------------|------------|
| 1-Methylnaphthalene | 2.04 | 0.020 | mg/kg | 10 | B4B0233 | 02/02/2024 | 02/05/2024 |
| 2-Methylnaphthalene | 4.31 | 0.020 | " | " | " | " | " |
| Acenaphthene | 0.328 | 0.020 | " | 1 | " | " | 02/05/2024 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S02@9'
2/2/2024 10:00:00AM

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

Origins Laboratory, Inc.
Y402083-03 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|-------|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/05/2024 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | 0.046 | 0.020 | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | 0.039 | 0.020 | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | 0.483 | 0.020 | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | 0.180 | 0.002 | " | " | " | " | " | |
| Phenanthrene | 0.608 | 0.020 | " | " | " | " | " | |
| Pyrene | 0.034 | 0.020 | " | " | " | " | " | |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 96.0 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 109 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 90.4 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | 60-130 | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-S02@9'
2/2/2024 10:00:00AM

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

Origins Laboratory, Inc.
Y402083-03 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.04 | 0.0874 | mg/kg | 10 | B4B1220 | 02/12/2024 | 02/16/2024 |
| Barium | 71.2 | 8.74 | " | " | " | " | " |
| Cadmium | ND | 0.0874 | " | " | " | " | " |
| Lead | 7.76 | 0.874 | " | " | " | " | " |
| Nickel | 6.67 | 0.874 | " | " | " | " | " |
| Zinc | 32.7 | 8.74 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E02@3.5'
2/2/2024 10:04:00AM

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

Origins Laboratory, Inc.
Y402083-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|--|
| Boron | ND | 0.101 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 | |
|-------|----|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B4B0236 | 02/02/2024 | 02/02/2024 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 82.3 % | 50-150 | | | " | " | " |
|------------------------|--------|--------|--|--|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|-------|-------|-------|---|---------|---|------------|
| Gasoline Range Hydrocarbons | 0.207 | 0.200 | mg/kg | 1 | B4B0235 | " | 02/04/2024 |
|-----------------------------|-------|-------|-------|---|---------|---|------------|

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 70-130 | | | " | " | 02/04/2024 |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | 02/04/2024 |
| Surrogate: 4-Bromofluorobenzene | 106 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E02@3.5'
2/2/2024 10:04:00AM

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

Origins Laboratory, Inc.
Y402083-04 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Phenanthrene | ND | 0.020 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 101 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 101 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 99.6 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 112 % | 60-130 | " | " | " |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E02@3.5'
2/2/2024 10:04:00AM

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

Origins Laboratory, Inc.
Y402083-04 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|--------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.00 | 0.0880 | mg/kg | 10 | B4B1219 | 02/12/2024 | 02/13/2024 |
| Barium | 66.3 | 8.80 | " | " | " | " | " |
| Cadmium | 0.0951 | 0.0880 | " | " | " | " | " |
| Lead | 3.92 | 0.880 | " | " | " | " | " |
| Nickel | 4.02 | 0.880 | " | " | " | " | " |
| Zinc | 17.8 | 8.80 | " | " | " | " | " |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E02@9'
2/2/2024 10:08:00AM

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

Origins Laboratory, Inc.
Y402083-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0997 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B4B0236 | 02/02/2024 | 02/02/2024 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|
| Surrogate: o-Terphenyl | 83.9 % | 50-150 | | | " | " | " |
|------------------------|--------|--------|--|--|---|---|---|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|-------|-------|---|---------|---|------------|---|
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | 1 | B4B0235 | " | 02/04/2024 | U |
|-----------------------------|----|-------|-------|---|---------|---|------------|---|

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 105 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | |
|---------------------|----|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | " | " | U |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E02@9'
2/2/2024 10:08:00AM

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

Origins Laboratory, Inc.
Y402083-05 (Soil)

PAH by EPA 8270E

| | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|------------|------------|---|
| Anthracene | ND | 0.020 | mg/kg | 1 | B4B0233 | 02/02/2024 | 02/02/2024 | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | " | " | U |
| Phenanthrene | ND | 0.020 | " | " | " | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | " | " | U |

| | | | | | |
|---------------------------------|-------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 101 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 110 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 116 % | 60-130 | " | " | " |

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Ensolum

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417392

Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

FL01-E02@9'

2/2/2024 10:08:00AM

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

Origins Laboratory, Inc.

Y402083-05 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.34 | 0.0940 | mg/kg | 10 | B4B0231 | 02/02/2024 | 02/16/2024 |
| Barium | 44.5 | 9.40 | " | " | " | " | 02/08/2024 |
| Cadmium | ND | 0.0940 | " | " | " | " | " |
| Lead | 5.12 | 0.940 | " | " | " | " | 02/16/2024 |
| Nickel | 4.13 | 0.940 | " | " | " | " | " |
| Zinc | 20.7 | 9.40 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG06@13'
2/2/2024 10:45:00AM

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

Origins Laboratory, Inc.
Y402083-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|
| Boron | ND | 0.0998 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 |
|-------|----|--------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 13.8 | 0.499 | meq/L | 10 | [CALC] | 02/03/2024 | 02/05/2024 |
| Magnesium | 4.08 | 0.823 | " | " | " | " | " |
| Sodium | 0.960 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 4.28 | | pH Units | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.321 | 0.0100 | SAR | 1 | B4B0304 | 02/03/2024 | 02/05/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.59 | 0.00500 | mmhos/cm | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.78 | 0.0948 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Barium | 14.0 | 9.48 | " | " | " | " | " |
| Cadmium | ND | 0.0948 | " | " | " | " | " |
| Copper | ND | 9.48 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG06@13'
2/2/2024 10:45:00AM

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

Origins Laboratory, Inc.
Y402083-06 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Lead | 4.05 | 0.948 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Nickel | 1.88 | 0.948 | " | " | " | " | " |
| Selenium | ND | 0.0948 | " | " | " | " | " |
| Silver | ND | 0.0948 | " | " | " | " | " |
| Zinc | 10.2 | 9.48 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L732144 | 02/02/2024 | 02/09/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG07@13'
2/2/2024 10:49:00AM

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

Origins Laboratory, Inc.
Y402083-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 4.00 | 0.499 | meq/L | 10 | [CALC] | 02/03/2024 | 02/05/2024 |
| Magnesium | 1.21 | 0.823 | " | " | " | " | " |
| Sodium | 1.03 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.66 | | pH Units | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.637 | 0.0100 | SAR | 1 | B4B0304 | 02/03/2024 | 02/05/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.661 | 0.00500 | mmhos/cm | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.30 | 0.0995 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Barium | 18.9 | 9.95 | " | " | " | " | " |
| Cadmium | ND | 0.0995 | " | " | " | " | " |
| Copper | ND | 9.95 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG07@13'
2/2/2024 10:49:00AM

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

Origins Laboratory, Inc.
Y402083-07 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Lead | 3.06 | 0.995 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Nickel | 1.33 | 0.995 | " | " | " | " | " |
| Selenium | ND | 0.0995 | " | " | " | " | " |
| Silver | ND | 0.0995 | " | " | " | " | " |
| Zinc | 10.1 | 9.95 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L732144 | 02/02/2024 | 02/09/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG08@13'
2/2/2024 10:53:00AM

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

Origins Laboratory, Inc.
Y402083-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 02/03/2024 | 02/05/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.15 | | pH Units | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.721 | 0.0100 | SAR | 1 | B4B0304 | 02/03/2024 | 02/05/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0613 | 0.00500 | mmhos/cm | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.78 | 0.0877 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Barium | 16.2 | 8.77 | " | " | " | " | " |
| Cadmium | ND | 0.0877 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG08@13'
2/2/2024 10:53:00AM

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

Origins Laboratory, Inc.
Y402083-08 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.77 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Lead | 3.11 | 0.877 | " | " | " | " | " |
| Nickel | 1.13 | 0.877 | " | " | " | " | " |
| Selenium | ND | 0.0877 | " | " | " | " | " |
| Silver | ND | 0.0877 | " | " | " | " | " |
| Zinc | 11.3 | 8.77 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L732144 | 02/02/2024 | 02/09/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG08@13'
2/2/2024 10:56:00AM

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

Origins Laboratory, Inc.
Y402083-09 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 02/03/2024 | 02/05/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.14 | | pH Units | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--------|-----|---|---------|------------|------------|
| SAR | 0.310 | 0.0100 | SAR | 1 | B4B0304 | 02/03/2024 | 02/05/2024 |
|-----|-------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0588 | 0.00500 | mmhos/cm | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.24 | 0.0888 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Barium | 17.2 | 8.88 | " | " | " | " | " |
| Cadmium | ND | 0.0888 | " | " | " | " | " |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG08@13'
2/2/2024 10:56:00AM

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

Origins Laboratory, Inc.
Y402083-09 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.88 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Lead | 3.12 | 0.888 | " | " | " | " | " |
| Nickel | 1.86 | 0.888 | " | " | " | " | " |
| Selenium | ND | 0.0888 | " | " | " | " | " |
| Silver | ND | 0.0888 | " | " | " | " | " |
| Zinc | 12.9 | 8.88 | " | " | " | " | " |

Total Metals by 7196 A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L732145 | 02/02/2024 | 02/09/2024 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG10@13'
2/2/2024 10:59:00AM

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

Origins Laboratory, Inc.
Y402083-10 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.100 | mg/L | 1 | B4B0507 | 02/05/2024 | 02/06/2024 |
|-------|----|-------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium | 1.14 | 0.499 | meq/L | 10 | [CALC] | 02/03/2024 | 02/05/2024 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | 0.908 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.21 | | pH Units | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|------|--------|-----|---|---------|------------|------------|
| SAR | 1.04 | 0.0100 | SAR | 1 | B4B0304 | 02/03/2024 | 02/05/2024 |
|-----|------|--------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.271 | 0.00500 | mmhos/cm | 1 | B4B0308 | 02/03/2024 | 02/05/2024 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.28 | 0.0975 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Barium | 28.3 | 9.75 | " | " | " | " | " |
| Cadmium | ND | 0.0975 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

NATIVE-BG10@13'
2/2/2024 10:59:00AM

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

Origins Laboratory, Inc.
Y402083-10 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------------|--------|-------|----|---------|------------|------------|
| Copper | ND | 9.75 | mg/kg | 10 | B4B0228 | 02/02/2024 | 02/07/2024 |
| Lead | 4.07 | 0.975 | " | " | " | " | " |
| Nickel | 2.33 | 0.975 | " | " | " | " | " |
| Selenium | ND | 0.0975 | " | " | " | " | " |
| Silver | ND | 0.0975 | " | " | " | " | " |
| Zinc | 10.4 | 9.75 | " | " | " | " | " |

Total Metals by 7196 A

| | | | | | | | | | |
|----------------------|--------------|--------------|-----|-------|---|---------|------------|------------|---|
| Chromium, Hexavalent | 0.315 | 0.244 | 0.5 | mg/Kg | 1 | L732145 | 02/02/2024 | 02/09/2024 | J |
|----------------------|--------------|--------------|-----|-------|---|---------|------------|------------|---|

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0235 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B4B0235-BLK1) | | | | | Prepared: 02/02/2024 Analyzed: 02/02/2024 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 99.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0235 - EPA 5030 (soil)

LCS (B4B0235-BS1)

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

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0977 | 0.00200 | mg/kg | 0.100 | | 97.7 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0943 | 0.00200 | " | 0.100 | | 94.3 | 70-130 | | | |
| Benzene | 0.0888 | 0.00200 | " | 0.100 | | 88.8 | 70-130 | | | |
| Ethylbenzene | 0.104 | 0.00200 | " | 0.100 | | 104 | 70-130 | | | |
| Naphthalene | 0.0977 | 0.00380 | " | 0.100 | | 97.7 | 70-130 | | | |
| Toluene | 0.0855 | 0.00200 | " | 0.100 | | 85.5 | 70-130 | | | |
| o-Xylene | 0.0824 | 0.00200 | " | 0.100 | | 82.4 | 70-130 | | | |
| m,p-Xylene | 0.178 | 0.00400 | " | 0.200 | | 88.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 98.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0235 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike (B4B0235-MS1) | | Source: Y402083-01 | | | Prepared: 02/02/2024 Analyzed: 02/04/2024 | | | | | |
| 1,2,4-Trimethylbenzene | 0.00176 | 0.00200 | mg/kg | 0.100 | ND | 1.76 | 70-130 | | | QM-07, U |
| 1,3,5-Trimethylbenzene | 0.0196 | 0.00200 | " | 0.100 | ND | 19.6 | 70-130 | | | QM-07 |
| Benzene | 0.0411 | 0.00200 | " | 0.100 | ND | 41.1 | 70-130 | | | QM-07 |
| Ethylbenzene | ND | 0.00200 | " | 0.100 | ND | | 70-130 | | | QM-07, U |
| Naphthalene | 0.00376 | 0.00380 | " | 0.100 | 0.000620 | 3.14 | 70-130 | | | QM-07, U |
| Toluene | 0.0150 | 0.00200 | " | 0.100 | ND | 15.0 | 70-130 | | | QM-07 |
| o-Xylene | 0.0367 | 0.00200 | " | 0.100 | ND | 36.7 | 70-130 | | | QM-07 |
| m,p-Xylene | 0.0122 | 0.00400 | " | 0.200 | ND | 6.11 | 70-130 | | | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.18 | | " | 0.125 | | 142 | 70-130 | | | S-GC |
| Surrogate: Toluene-d8 | 0.14 | | " | 0.125 | | 113 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 108 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0235 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B4B0235-MSD1) | | Source: Y402083-01 | | | Prepared: 02/02/2024 Analyzed: 02/04/2024 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 0.100 | ND | | 70-130 | | 20 | QM-07, U |
| 1,3,5-Trimethylbenzene | 0.0147 | 0.00200 | " | 0.100 | ND | 14.7 | 70-130 | 28.2 | 20 | QM-07 |
| Benzene | 0.0408 | 0.00200 | " | 0.100 | ND | 40.8 | 70-130 | 0.635 | 20 | QM-07 |
| Ethylbenzene | ND | 0.00200 | " | 0.100 | ND | | 70-130 | | 20 | QM-07, U |
| Naphthalene | 0.00328 | 0.00380 | " | 0.100 | 0.000620 | 2.66 | 70-130 | 13.6 | 20 | QM-07, U |
| Toluene | 0.0115 | 0.00200 | " | 0.100 | ND | 11.5 | 70-130 | 26.8 | 20 | QM-07 |
| o-Xylene | 0.0283 | 0.00200 | " | 0.100 | ND | 28.3 | 70-130 | 25.7 | 20 | QM-07 |
| m,p-Xylene | 0.00662 | 0.00400 | " | 0.200 | ND | 3.31 | 70-130 | 59.4 | 20 | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |

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Ensolum
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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0236 - EPA 3550B | | | | | | | | | | |
| Blank (B4B0236-BLK1) | | | | | Prepared: 02/02/2024 Analyzed: 02/02/2024 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 23 | | " | 24.9 | | 91.3 | 50-150 | | | |

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Ensolum
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0236 - EPA 3550B

LCS (B4B0236-BS1)

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

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 937 | 50.0 | mg/kg | 1000 | | 93.7 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 976 | 200 | " | 1000 | | 97.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49 | | " | 49.8 | | 99.3 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0236 - EPA 3550B

| Matrix Spike (B4B0236-MS1) | | Source: Y402083-01 | | | Prepared: 02/02/2024 Analyzed: 02/02/2024 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 918 | 50.0 | mg/kg | 1000 | ND | 91.8 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 954 | 200 | " | 1000 | ND | 95.4 | 70-130 | | | |
| Surrogate: o-Terphenyl | 45 | | " | 49.8 | | 89.6 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0236 - EPA 3550B

| Matrix Spike Dup (B4B0236-MSD1) | | Source: Y402083-01 | | | Prepared: 02/02/2024 Analyzed: 02/02/2024 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|-------|----|--|
| Diesel (C10-C28) | 953 | 50.0 | mg/kg | 1000 | ND | 95.3 | 70-130 | 3.76 | 35 | |
| Residual Range Organics (C28-C40) | 945 | 200 | " | 1000 | ND | 94.5 | 70-130 | 0.934 | 35 | |
| Surrogate: o-Terphenyl | 48 | | " | 49.8 | | 96.7 | 50-150 | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0228 - EPA 3050B

Blank (B4B0228-BLK1)

Prepared: 02/02/2024 Analyzed: 02/09/2024

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

LCS (B4B0228-BS1)

Prepared: 02/02/2024 Analyzed: 02/07/2024

| | | | | | | |
|----------|------|--------|-------|------|------|--------|
| Arsenic | 4.46 | 0.0100 | mg/kg | 5.00 | 89.2 | 80-120 |
| Barium | 519 | 1.00 | " | 500 | 104 | 80-120 |
| Cadmium | 4.82 | 0.0100 | " | 5.00 | 96.3 | 80-120 |
| Copper | 48.3 | 1.00 | " | 50.0 | 96.6 | 80-120 |
| Lead | 4.83 | 0.100 | " | 5.00 | 96.6 | 80-120 |
| Nickel | 5.04 | 0.100 | " | 5.00 | 101 | 80-120 |
| Selenium | 4.42 | 0.0100 | " | 5.00 | 88.3 | 80-120 |
| Silver | 5.09 | 0.0100 | " | 5.00 | 102 | 80-120 |
| Zinc | 43.6 | 1.00 | " | 50.0 | 87.3 | 80-120 |

Matrix Spike (B4B0228-MS1)

Source: Y402077-09

Prepared: 02/02/2024 Analyzed: 02/07/2024

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0228 - EPA 3050B

| Matrix Spike (B4B0228-MS1) | | Source: Y402077-09 | | | Prepared: 02/02/2024 Analyzed: 02/07/2024 | | | | | |
|----------------------------|------|--------------------|-------|------|---|------|--------|--|--|--|
| Arsenic | 5.57 | 0.0845 | mg/kg | 4.22 | 1.71 | 91.4 | 75-125 | | | |
| Barium | 444 | 8.45 | " | 422 | 59.3 | 91.1 | 75-125 | | | |
| Cadmium | 4.00 | 0.0845 | " | 4.22 | 0.0604 | 93.3 | 75-125 | | | |
| Copper | 47.2 | 8.45 | " | 42.2 | 3.54 | 103 | 75-125 | | | |
| Lead | 8.79 | 0.845 | " | 4.22 | 4.90 | 92.1 | 75-125 | | | |
| Nickel | 10.4 | 0.845 | " | 4.22 | 6.43 | 92.8 | 75-125 | | | |
| Selenium | 3.73 | 0.0845 | " | 4.22 | 0.0403 | 87.2 | 75-125 | | | |
| Silver | 3.88 | 0.0845 | " | 4.22 | 0.0123 | 91.5 | 75-125 | | | |
| Zinc | 54.4 | 8.45 | " | 42.2 | 16.4 | 89.8 | 75-125 | | | |

| Matrix Spike Dup (B4B0228-MSD1) | | Source: Y402077-09 | | | Prepared: 02/02/2024 Analyzed: 02/07/2024 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|------|----|-------|
| Arsenic | 6.19 | 0.0905 | mg/kg | 4.52 | 1.71 | 98.9 | 75-125 | 10.4 | 20 | |
| Barium | 504 | 9.05 | " | 452 | 59.3 | 98.3 | 75-125 | 12.7 | 20 | |
| Cadmium | 4.69 | 0.0905 | " | 4.52 | 0.0604 | 102 | 75-125 | 15.9 | 20 | |
| Copper | 46.1 | 9.05 | " | 45.2 | 3.54 | 94.2 | 75-125 | 2.25 | 20 | |
| Lead | 8.64 | 0.905 | " | 4.52 | 4.90 | 82.7 | 75-125 | 1.70 | 20 | |
| Nickel | 12.3 | 0.905 | " | 4.52 | 6.43 | 129 | 75-125 | 16.8 | 20 | QM-07 |
| Selenium | 4.22 | 0.0905 | " | 4.52 | 0.0403 | 92.3 | 75-125 | 12.3 | 20 | |
| Silver | 4.45 | 0.0905 | " | 4.52 | 0.0123 | 98.1 | 75-125 | 13.8 | 20 | |
| Zinc | 59.7 | 9.05 | " | 45.2 | 16.4 | 95.7 | 75-125 | 9.37 | 20 | |

Batch B4B0231 - EPA 3050B

| Blank (B4B0231-BLK1) | | Prepared: 02/02/2024 Analyzed: 02/08/2024 | | | | | | | | |
|----------------------|----|---|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.0100 | mg/kg | | | | | | | |
| Barium | ND | 1.00 | " | | | | | | | |
| Cadmium | ND | 0.0100 | " | | | | | | | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0231 - EPA 3050B

Blank (B4B0231-BLK1)

Prepared: 02/02/2024 Analyzed: 02/08/2024

| | | | |
|----------|----|--------|-------|
| Copper | ND | 1.00 | mg/kg |
| Lead | ND | 0.100 | " |
| Nickel | ND | 0.100 | " |
| Selenium | ND | 0.0100 | " |
| Silver | ND | 0.0100 | " |
| Zinc | ND | 1.00 | " |

LCS (B4B0231-BS1)

Prepared: 02/02/2024 Analyzed: 02/08/2024

| | | | | | | |
|----------|------|--------|-------|------|------|--------|
| Arsenic | 4.34 | 0.0100 | mg/kg | 5.00 | 86.8 | 80-120 |
| Barium | 494 | 1.00 | " | 500 | 98.8 | 80-120 |
| Cadmium | 4.82 | 0.0100 | " | 5.00 | 96.4 | 80-120 |
| Copper | 47.6 | 1.00 | " | 50.0 | 95.2 | 80-120 |
| Lead | 5.40 | 0.100 | " | 5.00 | 108 | 80-120 |
| Nickel | 4.80 | 0.100 | " | 5.00 | 96.0 | 80-120 |
| Selenium | 4.35 | 0.0100 | " | 5.00 | 86.9 | 80-120 |
| Silver | 5.18 | 0.0100 | " | 5.00 | 104 | 80-120 |
| Zinc | 42.9 | 1.00 | " | 50.0 | 85.8 | 80-120 |

Matrix Spike (B4B0231-MS1)

Source: Y402083-05

Prepared: 02/02/2024 Analyzed: 02/16/2024

| | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|
| Arsenic | 7.50 | 0.0846 | mg/kg | 4.23 | 2.34 | 122 | 75-125 |
| Barium | 462 | 8.46 | " | 423 | 44.5 | 98.7 | 75-125 |
| Cadmium | 4.48 | 0.0846 | " | 4.23 | 0.0517 | 105 | 75-125 |
| Copper | 44.9 | 8.46 | " | 42.3 | 4.34 | 96.0 | 75-125 |
| Lead | 9.79 | 0.846 | " | 4.23 | 5.12 | 110 | 75-125 |
| Nickel | 8.85 | 0.846 | " | 4.23 | 4.13 | 112 | 75-125 |
| Selenium | 3.95 | 0.0846 | " | 4.23 | 0.0677 | 91.8 | 75-125 |
| Silver | 4.53 | 0.0846 | " | 4.23 | 0.0282 | 106 | 75-125 |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0231 - EPA 3050B

Matrix Spike (B4B0231-MS1)

Source: Y402083-05

Prepared: 02/02/2024 Analyzed: 02/16/2024

| | | | | | | | |
|------|------|------|-------|------|------|-----|--------|
| Zinc | 70.8 | 8.46 | mg/kg | 42.3 | 20.7 | 118 | 75-125 |
|------|------|------|-------|------|------|-----|--------|

Matrix Spike Dup (B4B0231-MSD1)

Source: Y402083-05

Prepared: 02/02/2024 Analyzed: 02/16/2024

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|------|----|--------------|
| Arsenic | 8.71 | 0.0918 | mg/kg | 4.59 | 2.34 | 139 | 75-125 | 14.9 | 20 | QM-07 |
| Barium | 495 | 9.18 | " | 459 | 44.5 | 98.1 | 75-125 | 6.87 | 20 | |
| Cadmium | 4.88 | 0.0918 | " | 4.59 | 0.0517 | 105 | 75-125 | 8.40 | 20 | |
| Copper | 63.6 | 9.18 | " | 45.9 | 4.34 | 129 | 75-125 | 34.4 | 20 | QM-07, QR-02 |
| Lead | 11.1 | 0.918 | " | 4.59 | 5.12 | 130 | 75-125 | 12.5 | 20 | QM-07 |
| Nickel | 10.1 | 0.918 | " | 4.59 | 4.13 | 130 | 75-125 | 13.1 | 20 | QM-07 |
| Selenium | 4.55 | 0.0918 | " | 4.59 | 0.0677 | 97.6 | 75-125 | 14.1 | 20 | |
| Silver | 4.75 | 0.0918 | " | 4.59 | 0.0282 | 103 | 75-125 | 4.74 | 20 | |
| Zinc | 84.0 | 9.18 | " | 45.9 | 20.7 | 138 | 75-125 | 17.0 | 20 | QM-07 |

Batch B4B1219 - EPA 3050B

Blank (B4B1219-BLK1)

Prepared: 02/12/2024 Analyzed: 02/14/2024

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

LCS (B4B1219-BS1)

Prepared: 02/12/2024 Analyzed: 02/13/2024

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Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B1219 - EPA 3050B

LCS (B4B1219-BS1)

Prepared: 02/12/2024 Analyzed: 02/13/2024

| | | | | | | | | | | |
|----------|------|--------|-------|------|--|------|--------|--|--|--|
| Arsenic | 4.86 | 0.0100 | mg/kg | 5.00 | | 97.2 | 80-120 | | | |
| Barium | 515 | 1.00 | " | 500 | | 103 | 80-120 | | | |
| Cadmium | 4.88 | 0.0100 | " | 5.00 | | 97.7 | 80-120 | | | |
| Copper | 52.9 | 1.00 | " | 50.0 | | 106 | 80-120 | | | |
| Lead | 5.33 | 0.100 | " | 5.00 | | 107 | 80-120 | | | |
| Nickel | 5.62 | 0.100 | " | 5.00 | | 112 | 80-120 | | | |
| Selenium | 4.78 | 0.0100 | " | 5.00 | | 95.6 | 80-120 | | | |
| Silver | 5.60 | 0.0100 | " | 5.00 | | 112 | 80-120 | | | |
| Zinc | 44.7 | 1.00 | " | 50.0 | | 89.3 | 80-120 | | | |

Matrix Spike (B4B1219-MS1)

Source: Y402105-02

Prepared: 02/12/2024 Analyzed: 02/14/2024

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|--|--|-------|
| Arsenic | 6.17 | 0.0950 | mg/kg | 4.75 | 2.77 | 71.6 | 75-125 | | | QM-07 |
| Barium | 468 | 9.50 | " | 475 | 41.1 | 89.8 | 75-125 | | | |
| Cadmium | 4.36 | 0.0950 | " | 4.75 | 0.0943 | 89.8 | 75-125 | | | |
| Copper | 49.7 | 9.50 | " | 47.5 | 4.08 | 96.1 | 75-125 | | | |
| Lead | 7.64 | 0.950 | " | 4.75 | 4.00 | 76.7 | 75-125 | | | |
| Nickel | 7.19 | 0.950 | " | 4.75 | 3.95 | 68.1 | 75-125 | | | QM-07 |
| Selenium | 4.37 | 0.0950 | " | 4.75 | ND | 91.9 | 75-125 | | | |
| Silver | 4.29 | 0.0950 | " | 4.75 | 0.0741 | 88.8 | 75-125 | | | |
| Zinc | 51.7 | 9.50 | " | 47.5 | 16.4 | 74.2 | 75-125 | | | QM-07 |

Matrix Spike Dup (B4B1219-MSD1)

Source: Y402105-02

Prepared: 02/12/2024 Analyzed: 02/14/2024

| | | | | | | | | | | |
|---------|------|--------|-------|------|--------|------|--------|------|----|-------|
| Arsenic | 6.78 | 0.0887 | mg/kg | 4.44 | 2.77 | 90.3 | 75-125 | 9.38 | 20 | |
| Barium | 442 | 8.87 | " | 444 | 41.1 | 90.3 | 75-125 | 5.73 | 20 | |
| Cadmium | 4.07 | 0.0887 | " | 4.44 | 0.0943 | 89.6 | 75-125 | 6.91 | 20 | |
| Copper | 47.5 | 8.87 | " | 44.4 | 4.08 | 97.8 | 75-125 | 4.56 | 20 | |
| Lead | 7.06 | 0.887 | " | 4.44 | 4.00 | 69.0 | 75-125 | 7.94 | 20 | QM-07 |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B1219 - EPA 3050B

| Matrix Spike Dup (B4B1219-MSD1) | | | Source: Y402105-02 | | | Prepared: 02/12/2024 Analyzed: 02/14/2024 | | | | |
|---------------------------------|------|--------|--------------------|------|--------|---|--------|------|----|-------|
| Nickel | 7.41 | 0.887 | mg/kg | 4.44 | 3.95 | 77.8 | 75-125 | 3.02 | 20 | |
| Selenium | 4.22 | 0.0887 | " | 4.44 | ND | 95.0 | 75-125 | 3.51 | 20 | |
| Silver | 4.17 | 0.0887 | " | 4.44 | 0.0741 | 92.4 | 75-125 | 2.82 | 20 | |
| Zinc | 49.0 | 8.87 | " | 44.4 | 16.4 | 73.4 | 75-125 | 5.40 | 20 | QM-07 |

Batch B4B1220 - EPA 3050B

| Blank (B4B1220-BLK1) | | | Prepared: 02/12/2024 Analyzed: 02/16/2024 | | | | | | | |
|----------------------|----|--------|---|--|--|--|--|--|--|--|
| Arsenic | ND | 0.0100 | mg/kg | | | | | | | |
| Barium | ND | 1.00 | " | | | | | | | |
| Cadmium | ND | 0.0100 | " | | | | | | | |
| Copper | ND | 1.00 | " | | | | | | | |
| Lead | ND | 0.100 | " | | | | | | | |
| Nickel | ND | 0.100 | " | | | | | | | |
| Selenium | ND | 0.0100 | " | | | | | | | |
| Silver | ND | 0.0100 | " | | | | | | | |
| Zinc | ND | 1.00 | " | | | | | | | |

LCS (B4B1220-BS1)

Prepared: 02/12/2024 Analyzed: 02/16/2024

| | | | | | | | |
|----------|------|--------|-------|------|--|------|--------|
| Arsenic | 4.88 | 0.0100 | mg/kg | 5.00 | | 97.6 | 80-120 |
| Barium | 492 | 1.00 | " | 500 | | 98.4 | 80-120 |
| Cadmium | 4.86 | 0.0100 | " | 5.00 | | 97.2 | 80-120 |
| Copper | 50.4 | 1.00 | " | 50.0 | | 101 | 80-120 |
| Lead | 5.10 | 0.100 | " | 5.00 | | 102 | 80-120 |
| Nickel | 4.87 | 0.100 | " | 5.00 | | 97.4 | 80-120 |
| Selenium | 5.11 | 0.0100 | " | 5.00 | | 102 | 80-120 |
| Silver | 5.09 | 0.0100 | " | 5.00 | | 102 | 80-120 |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B1220 - EPA 3050B | | | | | | | | | | |
| LCS (B4B1220-BS1) | | | | | Prepared: 02/12/2024 Analyzed: 02/16/2024 | | | | | |
| Zinc | 48.1 | 1.00 | mg/kg | 50.0 | | 96.2 | 80-120 | | | |
| Matrix Spike (B4B1220-MS1) | | | | | Source: Y402057-02 Prepared: 02/12/2024 Analyzed: 02/22/2024 | | | | | |
| Arsenic | 7.82 | 0.0957 | mg/kg | 4.78 | 3.52 | 89.9 | 75-125 | | | |
| Barium | 931 | 9.57 | " | 478 | 516 | 86.9 | 75-125 | | | |
| Cadmium | 6.33 | 0.0957 | " | 4.78 | 0.988 | 112 | 75-125 | | | |
| Copper | 62.5 | 9.57 | " | 47.8 | 10.5 | 109 | 75-125 | | | |
| Lead | 11.2 | 0.957 | " | 4.78 | 7.49 | 78.3 | 75-125 | | | |
| Nickel | 14.1 | 0.957 | " | 4.78 | 8.53 | 117 | 75-125 | | | |
| Selenium | 5.79 | 0.0957 | " | 4.78 | 0.217 | 117 | 75-125 | | | |
| Silver | 5.21 | 0.0957 | " | 4.78 | 0.0257 | 108 | 75-125 | | | |
| Zinc | 94.8 | 9.57 | " | 47.8 | 41.3 | 112 | 75-125 | | | |
| Matrix Spike Dup (B4B1220-MSD1) | | | | | Source: Y402057-02 Prepared: 02/12/2024 Analyzed: 02/19/2024 | | | | | |
| Arsenic | 8.83 | 0.0948 | mg/kg | 4.74 | 3.52 | 112 | 75-125 | 12.1 | 20 | |
| Barium | 963 | 9.48 | " | 474 | 516 | 94.3 | 75-125 | 3.33 | 20 | |
| Cadmium | 5.38 | 0.0948 | " | 4.74 | 0.988 | 92.6 | 75-125 | 16.3 | 20 | |
| Copper | 57.8 | 9.48 | " | 47.4 | 10.5 | 99.9 | 75-125 | 7.70 | 20 | |
| Lead | 13.4 | 0.948 | " | 4.74 | 7.49 | 125 | 75-125 | 17.8 | 20 | |
| Nickel | 12.9 | 0.948 | " | 4.74 | 8.53 | 92.6 | 75-125 | 9.00 | 20 | |
| Selenium | 4.52 | 0.0948 | " | 4.74 | 0.217 | 90.9 | 75-125 | 24.6 | 20 | QM-07 |
| Silver | 4.56 | 0.0948 | " | 4.74 | 0.0257 | 95.6 | 75-125 | 13.5 | 20 | |
| Zinc | 88.7 | 9.48 | " | 47.4 | 41.3 | 100 | 75-125 | 6.55 | 20 | |

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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0233 - EPA 3580

Blank (B4B0233-BLK1)

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

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | U |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | U |
| Acenaphthene | ND | 0.020 | " | | | | | | | U |
| Anthracene | ND | 0.020 | " | | | | | | | U |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | U |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Chrysene | ND | 0.020 | " | | | | | | | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | U |
| Fluoranthene | ND | 0.020 | " | | | | | | | U |
| Fluorene | ND | 0.020 | " | | | | | | | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | U |
| Naphthalene | ND | 0.002 | " | | | | | | | U |
| Phenanthrene | ND | 0.020 | " | | | | | | | U |
| Pyrene | ND | 0.020 | " | | | | | | | U |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 98.5 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 101 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 95.0 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 105 | 60-130 | | | |

LCS (B4B0233-BS1)

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

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.192 | 0.002 | mg/kg | 0.200 | | 96.0 | 70-130 | | | |
| 2-Methylnaphthalene | 0.198 | 0.002 | " | 0.200 | | 99.0 | 70-130 | | | |
| Acenaphthene | 0.172 | 0.020 | " | 0.200 | | 85.8 | 70-130 | | | |
| Anthracene | 0.186 | 0.020 | " | 0.200 | | 92.8 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0233 - EPA 3580

LCS (B4B0233-BS1)

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

| | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (a) anthracene | 0.160 | 0.005 | mg/kg | 0.200 | | 80.2 | 70-130 |
| Benzo (a) pyrene | 0.166 | 0.020 | " | 0.200 | | 83.1 | 70-130 |
| Benzo (b) fluoranthene | 0.167 | 0.020 | " | 0.200 | | 83.7 | 70-130 |
| Benzo (g,h,i) perylene | 0.163 | 0.020 | " | 0.200 | | 81.4 | 70-130 |
| Benzo (k) fluoranthene | 0.164 | 0.020 | " | 0.200 | | 82.1 | 70-130 |
| Chrysene | 0.162 | 0.020 | " | 0.200 | | 81.1 | 70-130 |
| Dibenz (a,h) anthracene | 0.184 | 0.020 | " | 0.200 | | 91.9 | 70-130 |
| Fluoranthene | 0.166 | 0.020 | " | 0.200 | | 82.8 | 70-130 |
| Fluorene | 0.162 | 0.020 | " | 0.200 | | 80.9 | 70-130 |
| Indeno (1,2,3-cd) pyrene | 0.174 | 0.020 | " | 0.200 | | 87.1 | 70-130 |
| Naphthalene | 0.177 | 0.002 | " | 0.200 | | 88.5 | 70-130 |
| Phenanthrene | 0.172 | 0.020 | " | 0.200 | | 86.0 | 70-130 |
| Pyrene | 0.164 | 0.020 | " | 0.200 | | 82.1 | 70-130 |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 100 | 60-130 |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 96.6 | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 220 | | " | 200 | | 109 | 60-130 |

Matrix Spike (B4B0233-MS1)

Source: Y402077-01

Prepared: 02/02/2024 Analyzed: 02/05/2024

| | | | | | | | |
|------------------------|-------|-------|-------|-------|--------|------|--------|
| 1-Methylnaphthalene | 0.173 | 0.002 | mg/kg | 0.200 | 0.010 | 81.6 | 70-130 |
| 2-Methylnaphthalene | 0.173 | 0.002 | " | 0.200 | 0.009 | 82.0 | 70-130 |
| Acenaphthene | 0.164 | 0.020 | " | 0.200 | 0.002 | 81.0 | 70-130 |
| Anthracene | 0.172 | 0.020 | " | 0.200 | ND | 86.0 | 70-130 |
| Benzo (a) anthracene | 0.168 | 0.005 | " | 0.200 | 0.0005 | 83.9 | 70-130 |
| Benzo (a) pyrene | 0.165 | 0.020 | " | 0.200 | 0.003 | 81.2 | 70-130 |
| Benzo (b) fluoranthene | 0.167 | 0.020 | " | 0.200 | 0.0003 | 83.2 | 70-130 |
| Benzo (g,h,i) perylene | 0.181 | 0.020 | " | 0.200 | 0.0005 | 90.0 | 70-130 |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0233 - EPA 3580

| Matrix Spike (B4B0233-MS1) | | Source: Y402077-01 | | | Prepared: 02/02/2024 Analyzed: 02/05/2024 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.176 | 0.020 | mg/kg | 0.200 | ND | 88.2 | 70-130 | | | |
| Chrysene | 0.172 | 0.020 | " | 0.200 | ND | 86.0 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.189 | 0.020 | " | 0.200 | ND | 94.6 | 70-130 | | | |
| Fluoranthene | 0.176 | 0.020 | " | 0.200 | ND | 88.1 | 70-130 | | | |
| Fluorene | 0.164 | 0.020 | " | 0.200 | 0.003 | 80.5 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.179 | 0.020 | " | 0.200 | ND | 89.6 | 70-130 | | | |
| Naphthalene | 0.168 | 0.002 | " | 0.200 | 0.002 | 83.1 | 70-130 | | | |
| Phenanthrene | 0.167 | 0.020 | " | 0.200 | 0.002 | 82.2 | 70-130 | | | |
| Pyrene | 0.175 | 0.020 | " | 0.200 | ND | 87.6 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 97.8 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 101 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 210 | | " | 200 | | 103 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 101 | 60-130 | | | |

| Matrix Spike Dup (B4B0233-MSD1) | | Source: Y402077-01 | | | Prepared: 02/02/2024 Analyzed: 02/05/2024 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| 1-Methylnaphthalene | 0.168 | 0.002 | mg/kg | 0.200 | 0.010 | 78.9 | 70-130 | 3.22 | 20 | |
| 2-Methylnaphthalene | 0.170 | 0.002 | " | 0.200 | 0.009 | 80.3 | 70-130 | 1.97 | 20 | |
| Acenaphthene | 0.164 | 0.020 | " | 0.200 | 0.002 | 80.8 | 70-130 | 0.334 | 20 | |
| Anthracene | 0.171 | 0.020 | " | 0.200 | ND | 85.5 | 70-130 | 0.557 | 20 | |
| Benzo (a) anthracene | 0.157 | 0.005 | " | 0.200 | 0.0005 | 78.3 | 70-130 | 6.90 | 20 | |
| Benzo (a) pyrene | 0.171 | 0.020 | " | 0.200 | 0.003 | 84.4 | 70-130 | 3.84 | 20 | |
| Benzo (b) fluoranthene | 0.170 | 0.020 | " | 0.200 | 0.0003 | 84.6 | 70-130 | 1.74 | 20 | |
| Benzo (g,h,i) perylene | 0.183 | 0.020 | " | 0.200 | 0.0005 | 91.5 | 70-130 | 1.59 | 20 | |
| Benzo (k) fluoranthene | 0.156 | 0.020 | " | 0.200 | ND | 78.1 | 70-130 | 12.1 | 20 | |
| Chrysene | 0.174 | 0.020 | " | 0.200 | ND | 86.9 | 70-130 | 1.02 | 20 | |
| Dibenz (a,h) anthracene | 0.187 | 0.020 | " | 0.200 | ND | 93.3 | 70-130 | 1.38 | 20 | |
| Fluoranthene | 0.184 | 0.020 | " | 0.200 | ND | 91.9 | 70-130 | 4.13 | 20 | |

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0233 - EPA 3580

| Matrix Spike Dup (B4B0233-MSD1) | | Source: Y402077-01 | | | Prepared: 02/02/2024 Analyzed: 02/05/2024 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| Fluorene | 0.169 | 0.020 | mg/kg | 0.200 | 0.003 | 83.1 | 70-130 | 3.12 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.180 | 0.020 | " | 0.200 | ND | 90.1 | 70-130 | 0.590 | 20 | |
| Naphthalene | 0.168 | 0.002 | " | 0.200 | 0.002 | 83.0 | 70-130 | 0.150 | 20 | |
| Phenanthrene | 0.171 | 0.020 | " | 0.200 | 0.002 | 84.5 | 70-130 | 2.63 | 20 | |
| Pyrene | 0.176 | 0.020 | " | 0.200 | ND | 88.1 | 70-130 | 0.546 | 20 | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 103 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 101 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 210 | | " | 200 | | 103 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 105 | 60-130 | | | |

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11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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 B4B0304 - Saturated Paste Metals

Blank (B4B0304-BLK1)

Prepared: 02/03/2024 Analyzed: 02/05/2024

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

Duplicate (B4B0304-DUP1)

Source: Y402048-21

Prepared: 02/03/2024 Analyzed: 02/05/2024

| | | | | | | |
|---------------|------|--------|------|-------|------|-----|
| Calcium PPM | 60.3 | 10.0 | mg/L | 58.4 | 3.25 | 50 |
| SAR | ND | 0.0100 | SAR | 0.338 | | 200 |
| Magnesium PPM | 19.0 | 10.0 | mg/L | 18.4 | 3.37 | 50 |
| Sodium PPM | 10.1 | 10.0 | " | 11.6 | 13.4 | 50 |

Batch B4B0507 - DTPA Sorbitol Preparation

Blank (B4B0507-BLK1)

Prepared: 02/05/2024 Analyzed: 02/06/2024

| | | | |
|-------|----|-------|------|
| Boron | ND | 0.100 | mg/L |
|-------|----|-------|------|

Duplicate (B4B0507-DUP1)

Source: Y402081-04

Prepared: 02/05/2024 Analyzed: 02/06/2024

| | | | | | | |
|-------|--------|--------|------|--------|------|----|
| Boron | 0.0694 | 0.0986 | mg/L | 0.0627 | 10.2 | 50 |
|-------|--------|--------|------|--------|------|----|

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Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

Saturated Paste - Quality Control Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|----------|-------------|---|------|-------------|------|-----------|-------|
| Batch B4B0308 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B4B0308-BLK1) | | | | | Prepared: 02/03/2024 Analyzed: 02/05/2024 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B4B0308-DUP1) | | | | | Source: Y402048-21 Prepared: 02/03/2024 Analyzed: 02/05/2024 | | | | | |
| pH | 8.29 | | pH Units | | 8.11 | | | 2.20 | 25 | |
| Specific Conductance (EC) | 0.444 | 0.00500 | mmhos/cm | | 0.393 | | | 12.2 | 25 | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|---------------------------|-----------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| Batch L732145 - | | | | | | | | | | |
| DUP (L 82247-DUP) | Source: Y402083-09 | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | <0.500 | | - | 0 | 20 | |
| MS (L 82247-MS) | Source: Y402083-09 | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | 30.2 | 2.5 | mg/Kg | 38.7 | < 0.244 | 78 | 75-125 | | | |
| LCS (LCS) | | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | 6.05 | 0.5 | mg/Kg | 8 | | 76 | 75-125 | | | |
| LRB (LRB) | | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417392
Project: KMG - PSC 15-10 FSV, 24A&4 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|---------------------------|-----------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| Batch L732144 - | | | | | | | | | | |
| DUP (L 82244-DUP) | Source: Y402083-06 | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | <0.500 | - | | 0 | 20 | |
| MS (L 82244-MS) | Source: Y402083-06 | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | 21.1 | 2.5 | mg/Kg | 38.7 | < 0.244 | 55 | 75-125 | | | * |
| LCS (LCS) | | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | 6.11 | 0.5 | mg/Kg | 8 | | 76 | 75-125 | | | |
| LRB (LRB) | | | | | Prepared: Analyzed: 02/09/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

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Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- J Estimated Value. Analyte below reported quantitation limit.
- * QC Failure
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

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