

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
JUNCTION 11, 12, 22-2 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@0.5' | 3/30/2023 | 0.5 | 0.4 | NS | NO | 40.16704987 | -104.9754278 | Y |
| AST01 Base | 3/30/2023 | 0.5 | 0.3 | NS | NO | 40.16704852 | -104.9754549 | N |
| AST01 Loadout | 3/30/2023 | 0.5 | 0.2 | NS | NO | 40.16704132 | -104.9754792 | N |
| AST02@0.5' | 3/30/2023 | 0.5 | 0.5 | NS | NO | 40.16704731 | -104.9753643 | Y |
| AST02 Base | 3/30/2023 | 0.5 | 0.3 | NS | NO | 40.16704929 | -104.9753905 | N |
| AST02 Loadout | 3/30/2023 | 0.5 | 0.2 | NS | NO | 40.1670484 | -104.9754182 | N |
| AST03@2' | 3/30/2023 | 2 | 40.0 | NS | NO | 40.16710052 | -104.9753911 | Y |
| AST03 Hatch | 3/30/2023 | 2 | 0.2 | NS | NO | 40.167104 | -104.975365 | N |
| AST03 Loadout | 3/30/2023 | 2 | 0.2 | NS | NO | 40.16710116 | -104.9754179 | N |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | |
| PWV-B01@6' | 3/30/2023 | 6 | 0.1 | NS | NO | 40.1670997 | -104.9754565 | Y |
| PWV-N01@3' | 3/30/2023 | 3 | 0.4 | NS | NO | 40.16711449 | -104.9754581 | Y |
| PWV E Wall | 3/30/2023 | 3 | 0.2 | NS | NO | 40.16709987 | -104.9754388 | N |
| PWV S Wall | 3/30/2023 | 3 | 0.2 | NS | NO | 40.16708693 | -104.9754566 | N |
| PWV W Wall | 3/30/2023 | 3 | 0.0 | NS | NO | 40.16709968 | -104.9754747 | N |
| TANK BATTERY SAMPLES | | | | | | | | |
| N01@4' | 6/29/2023 | 4 | 1.3 | NS | NO | 40.16717396 | -104.9754077 | Y |
| E01@4' | 6/29/2023 | 4 | 0.0 | NS | NO | 40.16714234 | -104.975354 | Y |
| E02@4' | 6/29/2023 | 4 | 0.0 | NS | NO | 40.16710049 | -104.9753519 | Y |
| E03@4' | 6/29/2023 | 4 | 0.0 | NS | NO | 40.16706463 | -104.9753564 | Y |
| W01@4' | 6/29/2023 | 4 | 0.0 | Stain | NO | 40.16714325 | -104.9754481 | Y |
| W02@4' | 6/29/2023 | 4 | 0.0 | NS | NO | 40.16709596 | -104.9754683 | Y |
| S01@4' | 6/29/2023 | 4 | 1.0 | NS | NO | 40.16704992 | -104.9754325 | Y |
| B01@6' | 6/29/2023 | 6 | 0.0 | NS | NO | 40.16714235 | -104.9754057 | Y |
| B02@6' | 6/29/2023 | 6 | 0.0 | NS | NO | 40.16710052 | -104.9753911 | Y |
| B03@6' | 6/29/2023 | 6 | 0.0 | NS | NO | 40.16705582 | -104.9753776 | Y |
| B04@8' | 7/24/2023 | 8 | 7.2 | NS | NO | 40.16711067 | -104.9754221 | Y |
| B05@8' | 7/24/2023 | 8 | 3.8 | NS | NO | 40.16710881 | -104.9753838 | Y |
| E04@6' | 7/24/2023 | 6 | 9.4 | NS | NO | 40.16711542 | -104.975332 | Y |
| E05@6' | 12/14/2023 | 6 | 0.0 | NS | NO | 40.16709709 | -104.9753198 | Y |
| SEPARATOR SAMPLES | | | | | | | | |
| Sep01-Inlet@4' | 3/30/2023 | 4 | 1.1 | NS | NO | 40.16727702 | -104.9760596 | Y |
| Sep02-Inlet@4' | 3/30/2023 | 4 | 0.0 | NS | NO | 40.16727791 | -104.9759571 | Y |
| Sep02-Outlet@3.5' | 3/30/2023 | 3.5 | 0.0 | NS | NO | 40.16727795 | -104.9759194 | Y |

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| Soil Sample Location | Date | Depth (ft. bgs) | PID Reading (ppm) | Visual Observation | Olfactory Observation | Latitude | Longitude | Submitted for Lab Analysis? (Y/N) |
|---------------------------------|------------|--------------------|----------------------|-----------------------|--------------------------|-------------|---------------|---|
| SEPARATOR SAMPLES | | | | | | | | |
| SEP02-N01 @2' | 7/24/2023 | 2 | 5.0 | NS | NO | 40.16729338 | -104.9759189 | Y |
| SEP02-E01 @2' | 7/24/2023 | 2 | 233.1 | NS | Odor | 40.16727328 | -104.9758875 | Y |
| SEP02-S01 @2' | 7/24/2023 | 2 | 12.5 | NS | NO | 40.16725365 | -104.9759008 | Y |
| SEP02-W01 @2' | 7/24/2023 | 2 | 4.4 | NS | NO | 40.1672802 | -104.9759368 | Y |
| SEP02-B01 @4' | 7/24/2023 | 4 | 7.4 | NS | NO | 40.16727223 | -104.97591700 | Y |
| SEP02-N02 @2' | 12/13/2023 | 2 | 0.0 | NS | NO | 40.16730443 | -104.9759186 | Y |
| SEP02-S02 @2' | 12/13/2023 | 2 | 0.0 | NS | NO | 40.16723607 | -104.975914 | Y |
| FLOWLINE POTHOLE SAMPLES | | | | | | | | |
| PH01 | 3/30/2023 | 4 | 0.0 | NS | NO | 40.16726822 | -104.9755857 | N |
| FL01 @4' | 3/30/2023 | 4 | 987.0 | NS | Odor | 40.16726756 | -104.9754149 | Y |
| PH03 | 6/29/2023 | 4 | 0.0 | NS | NO | 40.16727818 | -104.9757854 | N |
| FL01-N01 @4' | 7/24/2023 | 4 | 389.3 | NS | Odor | 40.16731007 | -104.975483 | Y |
| FL01-N02 @4' | 7/24/2023 | 4 | 1253.0 | Stain | Odor | 40.16730595 | -104.9754201 | Y |
| FL01-E01 @4' | 7/24/2023 | 4 | 4.3 | NS | NO | 40.1672629 | -104.9753847 | Y |
| FL01-S01 @4' | 7/24/2023 | 4 | 8.9 | NS | NO | 40.16723736 | -104.9754856 | Y |
| FL01-S02 @4' | 7/24/2023 | 4 | 3.0 | NS | NO | 40.16723463 | -104.9754169 | Y |
| FL01-W01 @4' | 7/24/2023 | 4 | 3.9 | Stain | NO | 40.16727385 | -104.9755231 | Y |
| FL01-B01 @6' | 7/24/2023 | 6 | 29.8 | NS | NO | 40.1672753 | -104.9754759 | Y |
| FL01-B02 @6' | 7/24/2023 | 6 | 89.3 | NS | NO | 40.16727421 | -104.9754384 | Y |
| FL01-W02 @4' | 12/15/2023 | 4 | 0.0 | NS | NO | 40.16721366 | -104.975531 | Y |
| FL01-S03 @4' | 12/15/2023 | 4 | 1.0 | NS | NO | 40.16718638 | -104.9754919 | Y |
| FL01-S04 @4' | 12/15/2023 | 4 | 0.0 | NS | NO | 40.16718588 | -104.9754153 | Y |
| FL01-E02 @4' | 12/15/2023 | 4 | 0.0 | NS | NO | 40.1672112 | -104.9753803 | Y |
| FL01-B02 @10' | 12/15/2023 | 10 | 1.8 | NS | NO | 40.16727331 | -104.9754324 | Y |
| FL01-B03 @8' | 12/15/2023 | 8 | 0.0 | NS | NO | 40.16722690 | -104.9754543 | Y |
| TEST PIT SAMPLES | | | | | | | | |
| TP01 @2' | 12/13/2023 | 2 | 0.0 | NS | NO | 40.16733959 | -104.9758695 | Y |
| TP02 @2' | 12/13/2023 | 2 | 0.0 | NS | NO | 40.16736863 | -104.9759175 | Y |
| TP03 @2' | 12/13/2023 | 2 | 0.0 | NS | NO | 40.16733883 | -104.975972 | Y |
| TP04 @4' | 12/14/2023 | 4 | 0.0 | NS | NO | 40.16732591 | -104.9753667 | Y |
| TP05 @3' | 12/14/2023 | 3 | 0.0 | NS | NO | 40.16737433 | -104.9753969 | Y |
| TP06 @3' | 12/14/2023 | 3 | 0.0 | NS | NO | 40.16737912 | -104.9754707 | Y |
| TP07 @3' | 12/14/2023 | 3 | 0.0 | NS | NO | 40.16734151 | -104.9755128 | Y |

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| Soil Sample Location | Date | Depth (ft. bgs) | PID Reading (ppm) | Visual Observation | Olfactory Observation | Latitude | Longitude | Submitted for Lab Analysis? (Y/N) |
|--------------------------------|-----------|--------------------|----------------------|-----------------------|--------------------------|-------------|--------------|---|
| MISCELLANEOUS SAMPLES | | | | | | | | |
| MH INLET | 3/30/2023 | 0.5 | 0.0 | NS | NO | 40.16714533 | -104.9755518 | N |
| ECD | 3/30/2023 | 2 | 0.0 | NS | NO | 40.16728178 | -104.9757045 | N |
| BACKGROUND SOIL SAMPLES | | | | | | | | |
| TB-BG01 @0.5' | 3/30/2023 | 0.5 | 0.2 | NS | NO | 40.16702356 | -104.9753522 | Y |
| Native-BG04 @3' | 2/2/2024 | 3 | 0.0 | NS | NO | 40.16705431 | -104.9741377 | Y |
| Native-BG05 @3' | 2/2/2024 | 3 | 0.4 | NS | NO | 40.16732027 | -104.9741513 | Y |
| Native-BG05 @6' | 2/2/2024 | 6 | 0.7 | NS | NO | 40.16732027 | -104.9741513 | 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
JUNCTION 11, 12, 22-2 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' | 3/30/2023 | 0.5 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| AST02@0.5' | 3/30/2023 | 0.5 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| AST03@2' | 3/30/2023 | 2 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | 0.0256 | 0.0124 | 0.00494 | <0.00380 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | | | | | |
| PWV-B01@6' | 3/30/2023 | 6 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | 0.00372 | <0.00200 | <0.00200 | <0.00201 |
| PWV-N01@3' | 3/30/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| TANK BATTERY SAMPLES | | | | | | | | | | | | |
| N01@4' | 6/29/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| E01@4' | 6/29/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| E02@4' | 6/29/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| E03@4' | 6/29/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| S01@4' | 6/29/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| W01@4' | 6/29/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| W02@4' | 6/29/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| B01@6' | 6/29/2023 | 6 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| B02@6' | 6/29/2023 | 6 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| B03@6' | 6/29/2023 | 6 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 |
| B04@8' | 7/24/2023 | 8 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | NA | <0.00200 |
| B05@8' | 7/24/2023 | 8 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | NA | <0.00200 |
| E04@6' | 7/24/2023 | 6 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | NA | <0.00200 |
| E05@6' | 12/14/2023 | 6 | NA | NA | NA | NA | NA | NA | NA | <0.00200 | NA | <0.00200 |
| SEPARATOR SAMPLES | | | | | | | | | | | | |
| Sep01-Inlet@4' | 3/30/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| Sep02-Inlet@4' | 3/30/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00380 |
| Sep02-Outlet@3.5' | 3/30/2023 | 3.5 | <0.200 | <25.0 | <100 | 0.00572 | 0.00810 | <0.00200 | 0.00596 | <0.00200 | <0.00200 | <0.00380 |
| SEP02-N01@2' | 7/24/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| SEP02-E01@2' | 7/24/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| SEP02-S01@2' | 7/24/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| SEP02-W01@2' | 7/24/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| SEP02-B01@4' | 7/24/2023 | 4 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| SEP02-N02@2' | 12/13/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| SEP02-S02@2' | 12/13/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| FLOWLINE POTHOLE SAMPLES | | | | | | | | | | | | |
| FL01@4' | 3/30/2023 | 4 | 1030 | 6320 | 2870 | 0.0128 | 0.00642 | 0.0210 | 17.6 | 27.8 | 0.398 | 0.997 |
| FL01-N01@4' | 7/24/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA |
| FL01-N02@4' | 7/24/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | 0.00762 | 0.0170 | 0.0177 | NA | NA |
| FL01-E01@4' | 7/24/2023 | 4 | 1.67 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA |
| FL01-S01@4' | 7/24/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA |
| FL01-S02@4' | 7/24/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA |
| FL01-W01@4' | 7/24/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA |

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JUNCTION 11, 12, 22-2 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 |
| FLOWLINE POTHOLE SAMPLES | | | | | | | | | | | | |
| FL01-B01@6' | 7/24/2023 | 6 | 1.54 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA |
| FL01-B02@6' | 7/24/2023 | 6 | 20.9 | 40.5 | <100 | <0.00200 | <0.00200 | 0.0236 | 0.0157 | 0.326 | NA | NA |
| FL01-W02@4' | 12/15/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| FL01-S03@4' | 12/15/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| FL01-S04@4' | 12/15/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| FL01-E02@4' | 12/15/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| FL01-B02@10' | 12/15/2023 | 10 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| FL01-B03@8' | 12/15/2023 | 8 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| TEST PIT SAMPLES | | | | | | | | | | | | |
| TP01@2' | 12/13/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| TP02@2' | 12/13/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| TP03@2' | 12/13/2023 | 2 | NA | NA | NA | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA | NA | <0.00200 |
| TP04@4' | 12/14/2023 | 4 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| TP05@3' | 12/14/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| TP06@3' | 12/14/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |
| TP07@3' | 12/14/2023 | 3 | <0.200 | <25.0 | <100 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | <0.00200 | NA |

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
JUNCTION 11, 12, 22-2 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' | 3/30/2023 | 0.5 | 0.000503 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | 0.00173 | <0.00067 | <0.00067 | 0.0011 | <0.00067 | <0.00201 | 0.00218 | <0.00067 |
| AST02@0.5' | 3/30/2023 | 0.5 | 0.000427 | <0.00067 | 0.000519 | 0.000966 | 0.000693 | <0.00067 | 0.00186 | <0.00067 | 0.00103 | 0.00114 | 0.000718 | <0.00201 | 0.00207 | 0.00119 |
| AST03@2' | 3/30/2023 | 2 | 0.000354 | <0.00067 | <0.00067 | 0.000715 | <0.00067 | 0.000772 | 0.00107 | <0.00067 | 0.000532 | 0.000537 | <0.00067 | 0.00238 | 0.00442 | <0.00067 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | | | | | | | | | |
| PWV-B01@6' | 3/30/2023 | 6 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00201 | <0.00201 | <0.00067 |
| PWV-N01@3' | 3/30/2023 | 3 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00201 | <0.00201 | <0.00067 |
| TANK BATTERY SAMPLES | | | | | | | | | | | | | | | | |
| N01@4' | 6/29/2023 | 4 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| E01@4' | 6/29/2023 | 4 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| E02@4' | 6/29/2023 | 4 | <0.02000 | <0.02000 | 0.014 | <0.02000 | 0.029 | 0.026 | 0.024 | <0.02000 | 0.023 | <0.02000 | 0.020 | <0.00200 | <0.00200 | <0.02000 |
| E03@4' | 6/29/2023 | 4 | <0.02000 | <0.02000 | 0.006 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| S01@4' | 6/29/2023 | 4 | <0.02000 | <0.02000 | 0.006 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| W01@4' | 6/29/2023 | 4 | <0.02000 | <0.02000 | 0.010 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| W02@4' | 6/29/2023 | 4 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| B01@6' | 6/29/2023 | 6 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| B02@6' | 6/29/2023 | 6 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| B03@6' | 6/29/2023 | 6 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| B04@8' | 7/24/2023 | 8 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| B05@8' | 7/24/2023 | 8 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| E04@6' | 7/24/2023 | 6 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | 0.013 | <0.02000 |
| E05@6' | 12/14/2023 | 6 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.00200 | <0.02000 |
| SEPARATOR SAMPLES | | | | | | | | | | | | | | | | |
| Sep01-Inlet@4' | 3/30/2023 | 4 | 0.00146 | 0.000408 | 0.000861 | 0.000898 | 0.00052 | <0.00067 | 0.00432 | <0.00067 | 0.00174 | 0.00397 | 0.000698 | 0.00298 | 0.00544 | 0.00306 |
| Sep02-Inlet@4' | 3/30/2023 | 4 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00201 | <0.00201 | <0.00067 |
| Sep02-Outlet@3.5' | 3/30/2023 | 3.5 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00067 | <0.00201 | <0.00201 | <0.00067 |
| SEP02-N01@2' | 7/24/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | 0.002 | <0.02000 |
| SEP02-E01@2' | 7/24/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| SEP02-S01@2' | 7/24/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| SEP02-W01@2' | 7/24/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| SEP02-B01@4' | 7/24/2023 | 4 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| SEP02-N02@2' | 12/13/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| SEP02-S02@2' | 12/13/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| FLOWLINE POTHOLE SAMPLES | | | | | | | | | | | | | | | | |
| FL01@4' | 3/30/2023 | 4 | 0.0922 | <0.0134 | 0.0505 | <0.0134 | <0.0134 | <0.0134 | 0.113 | <0.0134 | 0.0191 | 0.536 | <0.0134 | 2.44 | 4.66 | 0.0598 |
| FL01-N01@4' | 7/24/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-N02@4' | 7/24/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-E01@4' | 7/24/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-S01@4' | 7/24/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-S02@4' | 7/24/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

TABLE 2-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
JUNCTION 11, 12, 22-2 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 |
| FLOWLINE POTHOLE SAMPLES | | | | | | | | | | | | | | | | |
| FL01-W01@4' | 7/24/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-B01@6' | 7/24/2023 | 6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-B02@6' | 7/24/2023 | 6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-W02@4' | 12/15/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-S03@4' | 12/15/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-S04@4' | 12/15/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-E02@4' | 12/15/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-B02@10' | 12/15/2023 | 10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| FL01-B03@8' | 12/15/2023 | 8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TEST PIT SAMPLES | | | | | | | | | | | | | | | | |
| TP01@2' | 12/13/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| TP02@2' | 12/13/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| TP03@2' | 12/13/2023 | 2 | <0.02000 | <0.02000 | <0.00500 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.02000 | <0.00200 | <0.02000 | <0.02000 |
| TP04@4' | 12/14/2023 | 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TP05@3' | 12/14/2023 | 3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TP06@3' | 12/14/2023 | 3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TP07@3' | 12/14/2023 | 3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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
JUNCTION 11, 12, 22-2 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) | | | 0.564 | 0.898 | 8.61^ | 0.248 |
| Site-Specific Background Limits (3'-6') | | | 0.311 | 1.32 | 8.50 | 0.115 |
| ABOVEGROUND STORAGE TANK SAMPLES | | | | | | |
| AST01 @0.5' | 3/30/2023 | 0.5 | 0.361 | 1.00 | 8.11 | 0.178 |
| AST02 @0.5' | 3/30/2023 | 0.5 | 0.409 | 0.902 | 8.06 | 0.297 |
| AST03 @2' | 3/30/2023 | 2 | 0.562 | 0.77 | 8.03 | 0.407 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | |
| PWV-B01 @6' | 3/30/2023 | 6 | 0.096 | 0.274 | 7.53 | <0.0992 |
| PWV-N01 @3' | 3/30/2023 | 3 | 0.0720 | 0.158 | 7.41 | <0.989 |
| TANK BATTERY SAMPLES | | | | | | |
| N01 @4' | 6/29/2023 | 4 | NA | NA | NA | 1.01 |
| E01 @4' | 6/29/2023 | 4 | NA | NA | NA | 1.17 |
| E02 @4' | 6/29/2023 | 4 | NA | NA | NA | 1.67 |
| E03 @4' | 6/29/2023 | 4 | NA | NA | NA | 1.25 |
| S01 @4' | 6/29/2023 | 4 | NA | NA | NA | 0.599 |
| W01 @4' | 6/29/2023 | 4 | NA | NA | NA | 2.00 |
| W02 @4' | 6/29/2023 | 4 | NA | NA | NA | 0.931 |
| B01 @6' | 6/29/2023 | 6 | NA | NA | NA | 0.539 |
| B02 @6' | 6/29/2023 | 6 | NA | NA | NA | 0.166 |
| B03 @6' | 6/29/2023 | 6 | NA | NA | NA | 0.195 |
| B04 @8' | 7/24/2023 | 8 | NA | NA | NA | 0.413 |
| B05 @8' | 7/24/2023 | 8 | NA | NA | NA | 0.162 |
| E04 @6' | 7/24/2023 | 6 | NA | NA | NA | 2.11 |
| E05 @6' | 12/14/2023 | 6 | NA | NA | NA | 1.11 |
| SEPARATOR SAMPLES | | | | | | |
| Sep01-Inlet @4' | 3/30/2023 | 4 | 0.510 | 0.323 | 7.97 | <0.0984 |
| Sep02-Inlet @4' | 3/30/2023 | 4 | 0.719 | 1.18 | 8.02 | 1.10 |
| Sep02-Outlet @3.5' | 3/30/2023 | 3.5 | 1.910 | 1.17 | 7.80 | 1.14 |
| SEP02-N01 @2' | 7/24/2023 | 2 | NA | NA | NA | 2.21 |
| SEP02-E01 @2' | 7/24/2023 | 2 | NA | NA | NA | 1.00 |
| SEP02-S01 @2' | 7/24/2023 | 2 | NA | NA | NA | 2.80 |
| SEP02-W01 @2' | 7/24/2023 | 2 | NA | NA | NA | 1.18 |
| SEP02-B01 @4' | 7/24/2023 | 4 | NA | NA | NA | 0.925 |
| SEP02-N02 @2' | 12/13/2023 | 2 | NA | NA | NA | 2.17 |
| SEP02-S02 @2' | 12/13/2023 | 2 | NA | NA | NA | 1.66 |
| FLOWLINE POTHOLE SAMPLES | | | | | | |
| FL01 @4' | 3/30/2023 | 4 | 3.130 | 17.4 | 7.52 | 2.21 |
| FL01-N01 @4' | 7/24/2023 | 4 | NA | 17.0 | NA | 0.792 |
| FL01-N02 @4' | 7/24/2023 | 4 | NA | 18.9 | NA | 0.308 |
| FL01-E01 @4' | 7/24/2023 | 4 | NA | 7.55 | NA | 0.991 |
| FL01-S01 @4' | 7/24/2023 | 4 | NA | 14.8 | NA | 0.961 |

TABLE 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
JUNCTION 11, 12, 22-2 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) | | | 0.564 | 0.898 | 8.61^ | 0.248 |
| Site-Specific Background Limits (3'-6') | | | 0.311 | 1.32 | 8.50 | 0.115 |
| FLOWLINE POTHOLE SAMPLES | | | | | | |
| FL01-S02@4' | 7/24/2023 | 4 | NA | 9.74 | NA | 0.554 |
| FL01-W01@4' | 7/24/2023 | 4 | NA | 5.27 | NA | 1.85 |
| FL01-B01@6' | 7/24/2023 | 6 | NA | 3.79 | NA | 1.06 |
| FL01-B02@6' | 7/24/2023 | 6 | NA | 5.74 | NA | 0.423 |
| FL01-W02@4' | 12/15/2023 | 4 | NA | 9.03 | NA | 1.78 |
| FL01-S03@4' | 12/15/2023 | 4 | NA | 18.0 | NA | 2.31 |
| FL01-S04@4' | 12/15/2023 | 4 | NA | 19.0 | NA | 0.0625 |
| FL01-E02@4' | 12/15/2023 | 4 | NA | 8.44 | NA | 1.21 |
| FL01-B02@10' | 12/15/2023 | 10 | NA | 3.17 | NA | 0.121 |
| FL01-B03@8' | 12/15/2023 | 8 | NA | 2.25 | NA | 0.106 |
| TEST PIT SAMPLES | | | | | | |
| TP01@2' | 12/13/2023 | 2 | NA | NA | NA | 0.264 |
| TP02@2' | 12/13/2023 | 2 | NA | NA | NA | 0.199 |
| TP03@2' | 12/13/2023 | 2 | NA | NA | NA | 1.27 |
| TP04@4' | 12/14/2023 | 4 | NA | 15.5 | NA | 1.89 |
| TP05@3' | 12/14/2023 | 3 | NA | 3.68 | NA | 1.10 |
| TP06@3' | 12/14/2023 | 3 | NA | 8.34 | NA | 0.226 |
| TP07@3' | 12/14/2023 | 3 | NA | 6.52 | NA | 1.03 |
| BACKGROUND SAMPLES | | | | | | |
| TB-BG01@0.5' | 3/30/2023 | 0.5 | 0.564 | 0.898 | 7.97 | 0.248 |
| Native-BG04@3' | 2/2/2024 | 3 | 0.311 | 1.32 | 8.50 | 0.115 |
| Native-BG05@3' | 2/2/2024 | 3 | 0.279 | 0.412 | 8.35 | <0.0985 |
| Native-BG05@6' | 2/2/2024 | 6 | 0.246 | 0.358 | 8.35 | <0.0993 |

Notes:

ECMC - Energy and Carbon Management Commision

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 below background

^ - site-specific background is shown as 1.08x maximum background to account for analytical variability

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
JUNCTION 11, 12, 22-2 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) | | | 3.04 | 37.2 | NA | NA | NA | NA | NA | 0.0966 | NA | NA |
| Site-Specific Background Limits (3'-6') | | | 3.55 | 49.4 | NA | NA | 11.8 | 9.46 | NA | NA | NA | NA |
| ABOVEGROUND STORAGE TANK SAMPLES | | | | | | | | | | | | |
| AST01@0.5' | 3/30/2023 | 0.5 | 3.75 | 56.1 | 0.105 | <0.514 | 9.52 | <8.45 | 9.10 | <0.0845 | <0.0845 | <84.5 |
| AST02@0.5' | 3/30/2023 | 0.5 | 3.45* | 93.8 | 0.142 | <1.01 | 10.9 | <9.14 | 9.91 | 0.124 | <0.0914 | <91.4 |
| AST03@2' | 3/30/2023 | 2 | 3.00* | 99.6 | 0.113 | <2.58 | 10.4 | <9.14 | 10.8 | 0.134 | <0.0914 | <91.4 |
| PRODUCED WATER VESSEL SAMPLES | | | | | | | | | | | | |
| PWV-B01@6' | 3/30/2023 | 6 | 2.37* | 26.0 | 0.115 | <0.5 | <9.23 | <9.23 | <9.23 | 0.310 | <0.0923 | <92.3 |
| PWV-N01@3' | 3/30/2023 | 3 | 1.54* | 26.4 | <0.0941 | <0.5 | <9.41 | <9.41 | <9.41 | <0.0941 | <0.0941 | <94.1 |
| TANK BATTERY SAMPLES | | | | | | | | | | | | |
| N01@4' | 6/29/2023 | 4 | 4.36 | 150 | 0.187 | NA | 16.4 | NA | 14.9 | 0.203 | NA | NA |
| E01@4' | 6/29/2023 | 4 | 4.39 | 188 | 0.195 | NA | 17.6 | NA | 16.7 | 0.195 | NA | NA |
| E02@4' | 6/29/2023 | 4 | 3.40* | 110 | 0.184 | NA | 12.7 | NA | 12.5 | 0.227 | NA | NA |
| E03@4' | 6/29/2023 | 4 | 4.14 | 135 | 0.216 | NA | 15.2 | NA | 14.0 | 0.262 | NA | NA |
| S01@4' | 6/29/2023 | 4 | 3.64 | 112 | 0.143 | NA | 12.1 | NA | 12.4 | 0.138 | NA | NA |
| W01@4' | 6/29/2023 | 4 | 3.98 | 158 | 0.222 | NA | 14.7 | NA | 13.4 | 0.201 | NA | NA |
| W02@4' | 6/29/2023 | 4 | 4.32 | 163 | 0.202 | NA | 12.1 | NA | 12.0 | 0.180 | NA | NA |
| B01@6' | 6/29/2023 | 6 | 3.98 | 181 | 0.193 | NA | 12.7 | NA | 15.2 | 0.161 | NA | NA |
| B02@6' | 6/29/2023 | 6 | 5.50 | 133 | <0.0998 | NA | 16.6 | NA | 18.2 | 0.147 | NA | NA |
| B03@6' | 6/29/2023 | 6 | 3.44* | 105 | <0.0853 | NA | 12.9 | NA | 14.3 | 0.117 | NA | NA |
| B04@8' | 7/24/2023 | 8 | 2.06* | 61.7 | 0.0959 | NA | <9.59 | NA | <9.59 | 0.115 | NA | NA |
| B05@8' | 7/24/2023 | 8 | 1.44* | 37.9 | <0.0885 | NA | <8.85 | NA | <8.85 | <0.0885 | NA | NA |
| E04@6' | 7/24/2023 | 6 | 3.25* | 161 | 0.235 | NA | 13.7 | NA | 12.4 | 0.199 | NA | NA |
| E05@6' | 12/14/2023 | 6 | 4.50 | 296 | 0.221 | NA | 17.1 | 15.6 | 19.4 | 0.321 | NA | NA |
| SEPARATOR SAMPLES | | | | | | | | | | | | |
| Sep01-Inlet@4' | 3/30/2023 | 4 | 2.95* | 50.9 | 0.223 | <0.5 | <8.63 | <8.63 | <8.63 | 0.112 | <0.0863 | <86.3 |
| Sep02-Inlet@4' | 3/30/2023 | 4 | 4.48 | 133 | 0.269 | <2.52 | 16.7 | 14.0 | 14.9 | 0.209 | <0.0848 | <84.8 |
| Sep02-Outlet@3.5' | 3/30/2023 | 3.5 | 3.73 | 146 | 0.230 | <2.5 | 14.5 | 13.5 | 13.7 | 0.192 | <0.0966 | <96.6 |
| SEP02-N01@2' | 7/24/2023 | 2 | 3.10* | 153 | 0.258 | NA | 14.8 | 13.0 | 13.1 | 0.171 | NA | NA |
| SEP02-E01@2' | 7/24/2023 | 2 | 3.44* | 155 | 0.126 | NA | 13.0 | 9.2 | 12.0 | 0.246 | NA | NA |
| SEP02-S01@2' | 7/24/2023 | 2 | 3.35* | 168 | 0.299 | NA | 17.3 | 15.6 | 14.6 | 0.292 | NA | NA |
| SEP02-W01@2' | 7/24/2023 | 2 | 4.09 | 150 | 0.218 | NA | 13.9 | 12.7 | 11.8 | 0.155 | NA | NA |
| SEP02-B01@4' | 7/24/2023 | 4 | 4.91 | 201 | 0.247 | NA | 16.4 | 11.7 | 14.8 | 0.208 | NA | NA |
| SEP02-N02@2' | 12/13/2023 | 2 | 4.70 | 199 | 0.361 | NA | 19.6 | 17.9 | 15.9 | 0.320 | NA | NA |
| SEP02-S02@2' | 12/13/2023 | 2 | 3.73 | 151 | 0.279 | NA | 18.3 | 15.6 | 14.0 | 0.301 | NA | NA |
| FLOWLINE POTHOLE SAMPLES | | | | | | | | | | | | |
| FL01@4' | 3/30/2023 | 4 | 5.22 | 172 | 0.157 | <1 | 18.2 | 12.3 | 20.2 | 0.140 | <0.0911 | <91.1 |
| FL01-N01@4' | 7/24/2023 | 4 | 2.89* | 71.0 | <0.0972 | NA | <9.72 | <9.72 | <9.72 | 0.110 | NA | NA |
| FL01-N02@4' | 7/24/2023 | 4 | 4.32 | 206 | 0.280 | NA | 18.5 | 11.0 | 29.2 | 0.115 | NA | NA |

TABLE 2-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
JUNCTION 11, 12, 22-2 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

| Soil Sample ID | Date | Depth | 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) | | | 3.04 | 37.2 | NA | NA | NA | NA | NA | 0.0966 | NA | NA |
| Site-Specific Background Limits (3'-6') | | | 3.55 | 49.4 | NA | NA | 11.8 | 9.46 | NA | NA | NA | NA |
| FLOWLINE POTHOLE SAMPLES | | | | | | | | | | | | |
| FL01-E01@4' | 7/24/2023 | 4 | 2.67* | 95.6 | 0.122 | NA | 9.88 | <9.26 | 10.3 | 0.150 | NA | NA |
| FL01-S01@4' | 7/24/2023 | 4 | 3.82 | 130 | 0.164 | NA | 39.0 | 14.2 | 18.7 | 0.160 | NA | NA |
| FL01-S02@4' | 7/24/2023 | 4 | 3.43* | 129 | 0.111 | NA | 16.6 | 10.9 | 15.5 | 0.117 | NA | NA |
| FL01-W01@4' | 7/24/2023 | 4 | 3.24* | 128 | 0.201 | NA | 11.7 | 10.7 | 10.8 | 0.148 | NA | NA |
| FL01-B01@6' | 7/24/2023 | 6 | 2.51* | 121 | 0.210 | NA | 11.8 | 11.1 | 10.7 | 0.144 | NA | NA |
| FL01-B02@6' | 7/24/2023 | 6 | 1.79* | 58.0 | <0.0936 | NA | <9.36 | <9.36 | <9.36 | <0.0936 | NA | NA |
| FL01-W02@4' | 12/15/2023 | 4 | 4.92 | 198 | 0.222 | NA | 16.8 | 14.0 | 15.3 | 0.225 | NA | NA |
| FL01-S03@4' | 12/15/2023 | 4 | 4.63 | 237 | 0.297 | NA | 19.8 | 15.4 | 16.7 | 0.228 | NA | NA |
| FL01-S04@4' | 12/15/2023 | 4 | 5.76 | 162 | 0.156 | NA | 19.4 | 14.1 | 19.4 | 0.130 | NA | NA |
| FL01-E02@4' | 12/15/2023 | 4 | 3.31* | 146 | 0.155 | NA | 13.1 | 10.2 | 12.4 | 0.149 | NA | NA |
| FL01-B02@10' | 12/15/2023 | 10 | 1.34* | 79.1 | <0.0971 | NA | <9.71 | 7.04 | 9.44 | <0.0971 | NA | NA |
| FL01-B03@8' | 12/15/2023 | 8 | 0.517* | 15.0 | <0.0963 | NA | <9.63 | 3.87 | 4.58 | <0.0963 | NA | NA |
| TEST PIT SAMPLES | | | | | | | | | | | | |
| TP01@2' | 12/13/2023 | 2 | 2.95* | 86.9 | 0.0882 | NA | <8.48 | 9.21 | 8.19 | <0.0848 | NA | NA |
| TP02@2' | 12/13/2023 | 2 | 3.72 | 112 | <0.0848 | NA | <8.48 | 8.94 | 7.30 | <0.0848 | NA | NA |
| TP03@2' | 12/13/2023 | 2 | 4.25 | 136 | 0.170 | NA | 17.1 | 12.9 | 14.5 | 0.174 | NA | NA |
| TP04@4' | 12/14/2023 | 4 | 4.70 | 290 | 0.302 | NA | 20.4 | 21.2 | 21.5 | 0.284 | NA | NA |
| TP05@3' | 12/14/2023 | 3 | 3.97 | 217 | 0.272 | NA | 18.1 | 19.1 | 20.1 | 0.269 | NA | NA |
| TP06@3' | 12/14/2023 | 3 | 2.38* | 39.4 | <0.0882 | NA | <8.82 | 5.40 | 7.45 | <0.0882 | NA | NA |
| TP07@3' | 12/14/2023 | 3 | 4.85 | 159 | 0.191 | NA | 14.2 | 15.9 | 16.8 | 0.302 | NA | NA |
| BACKGROUND SAMPLES | | | | | | | | | | | | |
| TB-BG01@0.5' | 3/30/2023 | 0.5 | 3.04 | 37.2 | <0.0929 | <1 | <9.29 | <9.29 | <9.29 | 0.0966 | <0.0929 | <92.9 |
| Native-BG04@3' | 2/2/2024 | 3 | 3.55 | 49.4 | <0.0901 | NA | 11.8 | 9.46 | NA | <0.0901 | NA | NA |
| Native-BG05@3' | 2/2/2024 | 3 | 3.14 | 34.3 | <0.0952 | NA | <9.52 | 5.77 | NA | <0.0952 | NA | NA |
| Native-BG05@6' | 2/2/2024 | 6 | 3.07 | 33.1 | <0.0845 | NA | <8.45 | 5.25 | NA | <0.0845 | NA | NA |

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 below background

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

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

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
JUNCTION 11,12, 22-2 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND 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) |
|-----------------------|------------|-------------------|-------------------|------------------------|----------------------------|--------------------|--------------------------------------|--------------------------------------|--|------------------------|-----------------------|--|
| ECMC Allowable Levels | | 5 | 560 | 700 | 1400 | 140 | 67 | 67 | NA | 250,000 | 250,000 | |
| AST-GW01 | 6/29/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 1,490,000 | 126,000 | 700,000 | 6.0 |
| AST03-GW01 | 7/24/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 1,430,000 | 114,000 | 574,000 | 7.0 |
| FL01-GW01 | 7/24/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | 3.87 | <2.00 | 1,590,000 | 160,000 | 777,000 | 5.0 |
| TP01-GW01 | 12/13/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 1,630,000 | 220,000 | 661,000 | 2.0 |
| TP03-GW01 | 12/13/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 1,400,000 | 211,000 | 425,000 | 2.0 |
| TP04-GW01 | 12/14/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 1,490,000 | 136,000 | 552,000 | 4.0 |
| TP05-GW01 | 12/14/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 1,130,000 | 134,000 | 401,000 | 3.0 |
| TP06-GW01 | 12/14/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 2,680,000 | 128,000 | 578,000 | 3.0 |
| TP07-GW01 | 12/14/2023 | <1.00 | <1.00 | <1.00 | <1.00 | <2.00 | <2.00 | <2.00 | 1,220,000 | 110,000 | 488,000 | 4.0 |

Notes: ECMC - Energy and Carbon Management Commission

ft bgs - feet below ground surface

NA - not analyzed/not available

BOLD = Analytical result is in exceedance of ECMC Table 915-1 groundwater standards.

µg/L - micrograms per liter

< - less than laboratory reporting limit

Excavation groundwater depth is approximate

April 20, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Junction 11,12,22-2 O SA Facility **Project Number - 09A1417263**

Attached are your analytical results for KMG - Junction 11,12,22-2 O SA Facility received by Origins Laboratory, Inc. March 31, 2023. This project is associated with Origins project number Y303804-01.

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------------|---------------|--------|----------------------|------------------|
| PWV-B01@6' | Y303804-01 | Soil | March 30, 2023 16:00 | 03/31/2023 08:58 |
| PWV-W01@3' | Y303804-02 | Soil | March 30, 2023 16:05 | 03/31/2023 08:58 |
| AST01@0.5' | Y303804-03 | Soil | March 30, 2023 16:10 | 03/31/2023 08:58 |
| AST02@0.5' | Y303804-04 | Soil | March 30, 2023 16:15 | 03/31/2023 08:58 |
| AST03@2' | Y303804-05 | Soil | March 30, 2023 16:20 | 03/31/2023 08:58 |
| SEP01-INLET@4' | Y303804-06 | Soil | March 30, 2023 16:25 | 03/31/2023 08:58 |
| SEP02-INLET@4' | Y303804-07 | Soil | March 30, 2023 16:30 | 03/31/2023 08:58 |
| SEP02-OUTLET@3.5' | Y303804-08 | Soil | March 30, 2023 16:35 | 03/31/2023 08:58 |
| FL01@4' | Y303804-09 | Soil | March 30, 2023 16:40 | 03/31/2023 08:58 |
| TB-BG01@0.5' | Y303804-10 | Soil | March 30, 2023 16:45 | 03/31/2023 08:58 |

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

INITIAL ☒ IMPACTED ☐

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page 1 of 1

4303804

Client: Ensolum LLC

Address:

Telephone Number:

Email Address:

Project Manager: Jeremy Espinoza

Project Name: Junction 11,12,22-2 OSA Facility

Project Number: 09A1417263

Samples Collected By: Glenn Thompson

Fax: 303.265.9645

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | Soil | Groundwater | Full Table 915-1 | BTEXN | 1,2,4-/1,3,5-TMB | THI-GRO/DECHORO | TC/ptd/A/B/Bion (SP) | Sample Instructions |
|-----------------------|--------------|--------------|------------------|---------------|------------|--|------------------|-------|------------------|-----------------|----------------------|--|
| PWV-501-6' | 3-30-23 | 1600 | 2 | X | | | | X | X | X | X | Full q15 added to 1 all samples except 2 TB-Bioleas mbrs only per the email sent on 4/12/23 4/6 |
| PWV-501-3' | | 1605 | 2 | | | | | X | X | X | | |
| AST01-0.5' | | 1610 | 2 | | | | | X | X | X | | |
| AST02-0.5' | | 1615 | 2 | | | | | X | X | X | | |
| AST03-2' | | 1620 | 2 | | | | | X | X | X | | |
| Depol-1-1-1-4' | | 1625 | 2 | | | | | X | X | X | | |
| Depol-1-1-1-4' | | 1630 | 2 | | | | | X | X | X | | |
| Depol-1-1-1-4' | | 1635 | 2 | | | | | X | X | X | | |
| FL01-4' | | 1640 | 2 | | | | | X | X | X | | |
| TB-Biol-0.5' | | 1645 | 2 | | | | | X | X | X | | |
| Relinquished By: | Date: 3/3/23 | Time: 8:58 | Received By: JEM | Date: 3-31-23 | Time: 8:58 | 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"/> | | | | | | |

Date Results Needed: 3.30

Origins Laboratory, Inc.

J. Bynon

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4303803

Client: ENSOLUM

Client Project ID: Junction 11,12,22-2 O S

Checklist Completed by: EHC

Shipped Via: HD

Date/time completed: 3/31/23

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

Airbill #: NA

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

Water

Other:

(Describe)

Cooler Number/Temperature: 1 13.3 °C

Thermometer ID: T004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <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.

Sam Hunter
Reviewed by (Project Manager)

3/31/23
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-B01@6'
3/30/2023 4:00:00PM

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

Origins Laboratory, Inc.
Y303804-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0992 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 91.4 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | 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 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-B01@6'

3/30/2023 4:00:00PM

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

Origins Laboratory, Inc.
Y303804-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|----------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 86.5 % | 70-130 | B3C31 28 | 03/31/2023 | 03/31/2023 |
| Surrogate: Toluene-d8 | 91.6 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 92.7 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

PAH by 8270D SIM

| | | | | | | | | |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L674189 | 04/05/2023 | 04/06/2023 |
| 2-Methylnaphthalene | ND | 0.00194 | 0.00201 | " | " | " | " | " |
| Acenaphthene | ND | 0.000304 | 0.00067 | " | " | " | " | " |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " |
| Benzo(b)fluoranthene | ND | 0.000585 | 0.00067 | " | " | " | " | " |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " |
| Chrysene | ND | 0.000624 | 0.00067 | " | " | " | " | " |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-B01@6'
3/30/2023 4:00:00PM

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

Waypoint Analytical, LLC.
Y303804-01 (Soil)

PAH by 8270D SIM

| | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|
| Fluoranthene | ND | 0.000394 | 0.00067 | mg/Kg | 1 | L674189 | 04/05/2023 | 04/06/2023 |
| Fluorene | ND | 0.000286 | 0.00067 | " | " | " | " | " |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 61.6 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 64 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 58.8 % | 29-110 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.53 | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|-------|-----|---|---------|------------|------------|
| SAR | 0.274 | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|-------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0964 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.37 | 0.0923 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-B01@6'

3/30/2023 4:00:00PM

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

Origins Laboratory, Inc.
Y303804-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Barium | 26.0 | 9.23 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Cadmium | 0.115 | 0.0923 | " | " | " | " | " |
| Copper | ND | 9.23 | " | " | " | " | " |
| Lead | ND | 9.23 | " | " | " | " | " |
| Nickel | ND | 9.23 | " | " | " | " | " |
| Selenium | 0.310 | 0.0923 | " | " | " | " | " |
| Silver | ND | 0.0923 | " | " | " | " | " |
| Zinc | ND | 92.3 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L674313 | 03/30/2023 | 04/05/2023 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-W01@3'
3/30/2023 4:05:00PM

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

Origins Laboratory, Inc.
Y303804-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|-------|------|----|---------|------------|------------|--|
| Boron | ND | 0.989 | mg/L | 10 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|----|-------|------|----|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 92.7 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|---------|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | 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 | 0.00372 | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-W01@3'

3/30/2023 4:05:00PM

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

Origins Laboratory, Inc.

Y303804-02 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|----------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 85.8 % | 70-130 | B3C31 28 | 03/31/2023 | 03/31/2023 |
| Surrogate: Toluene-d8 | 92.4 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 94.8 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 |
| Magnesium | ND | 0.823 | " | " | " | " | " |
| Sodium | ND | 0.435 | " | " | " | " | " |

PAH by 8270D SIM

| | | | | | | | | |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 |
| 2-Methylnaphthalene | ND | 0.00194 | 0.00201 | " | " | " | " | " |
| Acenaphthene | ND | 0.000304 | 0.00067 | " | " | " | " | " |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " |
| Benzo(b)fluoranthene | ND | 0.000585 | 0.00067 | " | " | " | " | " |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " |
| Chrysene | ND | 0.000624 | 0.00067 | " | " | " | " | " |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-W01@3'

3/30/2023 4:05:00PM

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

Waypoint Analytical, LLC.
Y303804-02 (Soil)

PAH by 8270D SIM

| | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|
| Fluoranthene | ND | 0.000394 | 0.00067 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 |
| Fluorene | ND | 0.000286 | 0.00067 | " | " | " | " | " |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 50.3 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 59.3 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 48.5 % | 29-110 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.41 | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|-------|-----|---|---------|------------|------------|
| SAR | 0.158 | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|-------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0720 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.54 | 0.0941 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

PWV-W01@3'
3/30/2023 4:05:00PM

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

Origins Laboratory, Inc.
Y303804-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|------|--------|-------|----|---------|------------|------------|
| Barium | 26.4 | 9.41 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Cadmium | ND | 0.0941 | " | " | " | " | " |
| Copper | ND | 9.41 | " | " | " | " | " |
| Lead | ND | 9.41 | " | " | " | " | " |
| Nickel | ND | 9.41 | " | " | " | " | " |
| Selenium | ND | 0.0941 | " | " | " | " | " |
| Silver | ND | 0.0941 | " | " | " | " | " |
| Zinc | ND | 94.1 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L674313 | 03/30/2023 | 04/05/2023 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST01@0.5'
3/30/2023 4:10:00PM

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

Origins Laboratory, Inc.
Y303804-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|-------|------|---|---------|------------|------------|--|
| Boron | 0.178 | 0.100 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|-------|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 89.6 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | 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 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST01@0.5'
3/30/2023 4:10:00PM

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

Origins Laboratory, Inc.
Y303804-03 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 87.8 % | | 70-130 | | | B3C31 28 | 03/31/2023 | 03/31/2023 | |
| Surrogate: Toluene-d8 | 92.1 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 93.8 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.44 | | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 | |
| Magnesium | 0.960 | | 0.823 | " | " | " | " | " | |
| Sodium | 1.10 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|----------|----------|---------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 | |
| 2-Methylnaphthalene | 0.00218 | 0.00194 | 0.00201 | " | " | " | " | " | |
| Acenaphthene | 0.000503 | 0.000304 | 0.00067 | " | " | " | " | " | J |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " | |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " | |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " | |
| Benzo(b)fluoranthene | ND | 0.000585 | 0.00067 | " | " | " | " | " | |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " | |
| Chrysene | 0.00173 | 0.000624 | 0.00067 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " | |
| Fluoranthene | ND | 0.000394 | 0.00067 | " | " | " | " | " | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST01@0.5'
3/30/2023 4:10:00PM

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

Waypoint Analytical, LLC.
Y303804-03 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|--------|----------|---------|-------|---|---------|------------|------------|--|
| Fluorene | 0.0011 | 0.000286 | 0.00067 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 | |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " | |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " | |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 48.3 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 56.8 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 44.7 % | 29-110 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.11 | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|------|-----|---|---------|------------|------------|
| SAR | 1.00 | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.361 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.75 | 0.0845 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Barium | 56.1 | 8.45 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST01@0.5'
3/30/2023 4:10:00PM

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

Origins Laboratory, Inc.
Y303804-03 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|--|
| Cadmium | 0.105 | | 0.0845 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 | |
| Copper | 9.52 | | 8.45 | " | " | " | " | " | |
| Lead | ND | | 8.45 | " | " | " | " | " | |
| Nickel | 9.10 | | 8.45 | " | " | " | " | " | |
| Selenium | ND | | 0.0845 | " | " | " | " | " | |
| Silver | ND | | 0.0845 | " | " | " | " | " | |
| Zinc | ND | | 84.5 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|------|-------|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.25 | 0.514 | mg/Kg | 1 | L674313 | 03/30/2023 | 04/05/2023 | |
|----------------------|----|------|-------|-------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST02@0.5'
3/30/2023 4:15:00PM

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

Origins Laboratory, Inc.
Y303804-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.297 | 0.0985 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 82.5 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | 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 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST02@0.5'
3/30/2023 4:15:00PM

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

Origins Laboratory, Inc.
Y303804-04 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 88.9 % | | 70-130 | | | B3C31 28 | 03/31/2023 | 03/31/2023 | |
| Surrogate: Toluene-d8 | 91.6 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 95.5 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 2.04 | | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 | |
| Magnesium | 1.20 | | 0.823 | " | " | " | " | " | |
| Sodium | 1.15 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|----------|----------|---------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 | |
| 2-Methylnaphthalene | 0.00207 | 0.00194 | 0.00201 | " | " | " | " | " | |
| Acenaphthene | 0.000427 | 0.000304 | 0.00067 | " | " | " | " | " | J |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " | |
| Benzo(a)anthracene | 0.000519 | 0.000493 | 0.00067 | " | " | " | " | " | J |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " | |
| Benzo(b)fluoranthene | 0.000966 | 0.000585 | 0.00067 | " | " | " | " | " | |
| Benzo(k)fluoranthene | 0.000693 | 0.000437 | 0.00067 | " | " | " | " | " | |
| Chrysene | 0.00186 | 0.000624 | 0.00067 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " | |
| Fluoranthene | 0.00103 | 0.000394 | 0.00067 | " | " | " | " | " | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST02@0.5'
3/30/2023 4:15:00PM

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

Waypoint Analytical, LLC.
Y303804-04 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|----------|----------|---------|-------|---|---------|------------|------------|--|
| Fluorene | 0.00114 | 0.000286 | 0.00067 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 | |
| Indeno(1,2,3-cd)pyrene | 0.000718 | 0.000627 | 0.00067 | " | " | " | " | " | |
| Pyrene | 0.00119 | 0.000643 | 0.00067 | " | " | " | " | " | |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 51.1 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 48.6 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 45.9 % | 29-110 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.06 | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|-------|-----|---|---------|------------|------------|
| SAR | 0.902 | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|-------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.409 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.45 | 0.0914 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Barium | 93.8 | 9.14 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST02@0.5'
3/30/2023 4:15:00PM

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

Origins Laboratory, Inc.
Y303804-04 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|--|
| Cadmium | 0.142 | | 0.0914 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 | |
| Copper | 10.9 | | 9.14 | " | " | " | " | " | |
| Lead | ND | | 9.14 | " | " | " | " | " | |
| Nickel | 9.91 | | 9.14 | " | " | " | " | " | |
| Selenium | 0.124 | | 0.0914 | " | " | " | " | " | |
| Silver | ND | | 0.0914 | " | " | " | " | " | |
| Zinc | ND | | 91.4 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|------|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.492 | 1.01 | mg/Kg | 1 | L674313 | 03/30/2023 | 04/05/2023 | |
|----------------------|----|-------|------|-------|---|---------|------------|------------|--|

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST03@2'

3/30/2023 4:20:00PM

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

Origins Laboratory, Inc.
Y303804-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.407 | 0.0988 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|-------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 88.9 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|---------|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 0.0124 | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | |
| 1,3,5-Trimethylbenzene | 0.00494 | 0.00200 | " | " | " | " | " | |
| Benzene | ND | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | 0.0256 | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 88.7 % | 70-130 | | | " | " | " | |
|----------------------------------|--------|--------|--|--|---|---|---|--|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST03@2'

3/30/2023 4:20:00PM

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

Origins Laboratory, Inc.
Y303804-05 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Toluene-d8 | 90.9 % | 70-130 | B3C31 28 | 03/31/2023 | 03/31/2023 |
| Surrogate: 4-Bromofluorobenzene | 95.3 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 2.66 | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 |
| Magnesium | 1.82 | 0.823 | " | " | " | " | " |
| Sodium | 1.14 | 0.435 | " | " | " | " | " |

PAH by 8270D SIM

| | | | | | | | | |
|-----------------------|----------|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | 0.00238 | 0.00109 | 0.00201 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 |
| 2-Methylnaphthalene | 0.00442 | 0.00194 | 0.00201 | " | " | " | " | " |
| Acenaphthene | 0.000354 | 0.000304 | 0.00067 | " | " | " | " | J |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " |
| Benzo(a)pyrene | 0.000772 | 0.000468 | 0.00067 | " | " | " | " | " |
| Benzo(b)fluoranthene | 0.000715 | 0.000585 | 0.00067 | " | " | " | " | " |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " |
| Chrysene | 0.00107 | 0.000624 | 0.00067 | " | " | " | " | " |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " |
| Fluoranthene | 0.000532 | 0.000394 | 0.00067 | " | " | " | " | J |
| Fluorene | 0.000537 | 0.000286 | 0.00067 | " | " | " | " | J |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST03@2'

3/30/2023 4:20:00PM

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

Waypoint Analytical, LLC.
Y303804-05 (Soil)

PAH by 8270D SIM

| | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " |

| | | | | | | | | |
|-----------------------------|--------|--|--------|--|--|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 50.5 % | | 33-115 | | | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 58.8 % | | 33-122 | | | " | " | " |
| Surrogate: Nitrobenzene-d5 | 46.8 % | | 29-110 | | | " | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|
| pH | 8.03 | | | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|--|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|-------|--|--|-----|---|---------|------------|------------|
| SAR | 0.765 | | | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|-------|--|--|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.562 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.00 | 0.0914 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Barium | 99.6 | 9.14 | " | " | " | " | " |
| Cadmium | 0.113 | 0.0914 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

AST03@2'

3/30/2023 4:20:00PM

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

Origins Laboratory, Inc.
Y303804-05 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|--|
| Copper | 10.4 | | 9.14 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 | |
| Lead | ND | | 9.14 | " | " | " | " | " | |
| Nickel | 10.8 | | 9.14 | " | " | " | " | " | |
| Selenium | 0.134 | | 0.0914 | " | " | " | " | " | |
| Silver | ND | | 0.0914 | " | " | " | " | " | |
| Zinc | ND | | 91.4 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|------|------|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 1.26 | 2.58 | mg/Kg | 1 | L674315 | 03/30/2023 | 04/05/2023 | |
|----------------------|----|------|------|-------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP01-INLET@4'
3/30/2023 4:25:00PM

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

Origins Laboratory, Inc.
Y303804-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|------------|------------|--|
| Boron | ND | 0.0984 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|----|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 97.2 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | 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 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP01-INLET@4'
3/30/2023 4:25:00PM

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

Origins Laboratory, Inc.
Y303804-06 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 88.3 % | | 70-130 | | | B3C31 28 | 03/31/2023 | 03/31/2023 | |
| Surrogate: Toluene-d8 | 92.1 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 93.5 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 3.08 | | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 | |
| Magnesium | 1.56 | | 0.823 | " | " | " | " | " | |
| Sodium | 0.493 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|----------|----------|---------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | 0.00298 | 0.00109 | 0.00201 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 | |
| 2-Methylnaphthalene | 0.00544 | 0.00194 | 0.00201 | " | " | " | " | " | |
| Acenaphthene | 0.00146 | 0.000304 | 0.00067 | " | " | " | " | " | |
| Anthracene | 0.000408 | 0.000334 | 0.00067 | " | " | " | " | " | J |
| Benzo(a)anthracene | 0.000861 | 0.000493 | 0.00067 | " | " | " | " | " | |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " | |
| Benzo(b)fluoranthene | 0.000898 | 0.000585 | 0.00067 | " | " | " | " | " | |
| Benzo(k)fluoranthene | 0.00052 | 0.000437 | 0.00067 | " | " | " | " | " | J |
| Chrysene | 0.00432 | 0.000624 | 0.00067 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " | |
| Fluoranthene | 0.00174 | 0.000394 | 0.00067 | " | " | " | " | " | |
| Fluorene | 0.00397 | 0.000286 | 0.00067 | " | " | " | " | " | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP01-INLET@4'
3/30/2023 4:25:00PM

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

Waypoint Analytical, LLC.
Y303804-06 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|----------|----------|---------|-------|---|---------|------------|------------|--|
| Indeno(1,2,3-cd)pyrene | 0.000698 | 0.000627 | 0.00067 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 | |
| Pyrene | 0.00306 | 0.000643 | 0.00067 | " | " | " | " | " | |

| | | | | | | | | | |
|-----------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 2-Fluorobiphenyl | 51.4 % | | 33-115 | | | " | " | " | |
| Surrogate: 4-Terphenyl-d14 | 48.6 % | | 33-122 | | | " | " | " | |
| Surrogate: Nitrobenzene-d5 | 46.8 % | | 29-110 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.97 | | | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|
| SAR | 0.323 | | | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.510 | | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|-------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 2.95 | | 0.0863 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 | |
| Barium | 50.9 | | 8.63 | " | " | " | " | " | |
| Cadmium | 0.223 | | 0.0863 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP01-INLET@4'
3/30/2023 4:25:00PM

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

Origins Laboratory, Inc.
Y303804-06 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Copper | ND | 8.63 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Lead | ND | 8.63 | " | " | " | " | " |
| Nickel | ND | 8.63 | " | " | " | " | " |
| Selenium | 0.112 | 0.0863 | " | " | " | " | " |
| Silver | ND | 0.0863 | " | " | " | " | " |
| Zinc | ND | 86.3 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L674315 | 03/30/2023 | 04/05/2023 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-INLET@4'
3/30/2023 4:30:00PM

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

Origins Laboratory, Inc.
Y303804-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|------|--------|------|---|---------|------------|------------|--|
| Boron | 1.10 | 0.0981 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 85.1 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | 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 |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-INLET@4'
3/30/2023 4:30:00PM

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

Origins Laboratory, Inc.
Y303804-07 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 92.5 % | | 70-130 | | | B3C31 28 | 03/31/2023 | 03/31/2023 | |
| Surrogate: Toluene-d8 | 89.7 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 95.8 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 3.00 | | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 | |
| Magnesium | 2.93 | | 0.823 | " | " | " | " | " | |
| Sodium | 2.04 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 | |
| 2-Methylnaphthalene | ND | 0.00194 | 0.00201 | " | " | " | " | " | |
| Acenaphthene | ND | 0.000304 | 0.00067 | " | " | " | " | " | |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " | |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " | |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " | |
| Benzo(b)fluoranthene | ND | 0.000585 | 0.00067 | " | " | " | " | " | |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " | |
| Chrysene | ND | 0.000624 | 0.00067 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-INLET@4'
3/30/2023 4:30:00PM

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

Waypoint Analytical, LLC.
Y303804-07 (Soil)

PAH by 8270D SIM

| | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|
| Fluoranthene | ND | 0.000394 | 0.00067 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 |
| Fluorene | ND | 0.000286 | 0.00067 | " | " | " | " | " |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 56.6 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 60.8 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 52.7 % | 29-110 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 8.02 | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|------|-----|---|---------|------------|------------|
| SAR | 1.18 | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.719 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 4.48 | 0.0848 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-INLET@4'
3/30/2023 4:30:00PM

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

Origins Laboratory, Inc.
Y303804-07 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Barium | 133 | 8.48 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Cadmium | 0.269 | 0.0848 | " | " | " | " | " |
| Copper | 16.7 | 8.48 | " | " | " | " | " |
| Lead | 14.0 | 8.48 | " | " | " | " | " |
| Nickel | 14.9 | 8.48 | " | " | " | " | " |
| Selenium | 0.209 | 0.0848 | " | " | " | " | " |
| Silver | ND | 0.0848 | " | " | " | " | " |
| Zinc | ND | 84.8 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|------|------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 1.23 | 2.52 | mg/Kg | 1 | L674315 | 03/30/2023 | 04/05/2023 |
|----------------------|----|------|------|-------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-OUTLET@3.5'
3/30/2023 4:35:00PM

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

Origins Laboratory, Inc.
Y303804-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|------|--------|------|---|---------|------------|------------|--|
| Boron | 1.14 | 0.0999 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 | |
|-------|------|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3C3120 | 03/31/2023 | 03/31/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 88.4 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | |
|-----------------------------|---------|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3C3128 | 03/31/2023 | 03/31/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Benzene | 0.00572 | 0.00200 | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | 0.00380 | " | " | " | " | " | U |
| Toluene | 0.00810 | 0.00200 | " | " | " | " | " | |
| Xylenes, total | 0.00596 | 0.00200 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 92.8 % | 70-130 | | | " | " | " | |
|----------------------------------|--------|--------|--|--|---|---|---|--|

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-OUTLET@3.5'
3/30/2023 4:35:00PM

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

Origins Laboratory, Inc.
Y303804-08 (Soil)

GBTEX+TMBs by 8260D

| | | | | | |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Toluene-d8 | 92.4 % | 70-130 | B3C31 28 | 03/31/2023 | 03/31/2023 |
| Surrogate: 4-Bromofluorobenzene | 97.4 % | 70-130 | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 10.3 | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 |
| Magnesium | 9.24 | 0.823 | " | " | " | " | " |
| Sodium | 3.67 | 0.435 | " | " | " | " | " |

PAH by 8270D SIM

| | | | | | | | | |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 |
| 2-Methylnaphthalene | ND | 0.00194 | 0.00201 | " | " | " | " | " |
| Acenaphthene | ND | 0.000304 | 0.00067 | " | " | " | " | " |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " |
| Benzo(b)fluoranthene | ND | 0.000585 | 0.00067 | " | " | " | " | " |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " |
| Chrysene | ND | 0.000624 | 0.00067 | " | " | " | " | " |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " |
| Fluoranthene | ND | 0.000394 | 0.00067 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-OUTLET@3.5'
3/30/2023 4:35:00PM

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

Waypoint Analytical, LLC.
Y303804-08 (Soil)

PAH by 8270D SIM

| | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|
| Fluorene | ND | 0.000286 | 0.00067 | mg/Kg | 1 | L674382 | 04/06/2023 | 04/06/2023 |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 50.9 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 61.2 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5 | 47.6 % | 29-110 | " | " | " |

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.80 | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|------|-----|---|---------|------------|------------|
| SAR | 1.17 | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.91 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.73 | 0.0966 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Barium | 146 | 9.66 | " | " | " | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-OUTLET@3.5'

3/30/2023 4:35:00PM

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

Origins Laboratory, Inc. Y303804-08 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Cadmium | 0.230 | 0.0966 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Copper | 14.5 | 9.66 | " | " | " | " | " |
| Lead | 13.5 | 9.66 | " | " | " | " | " |
| Nickel | 13.7 | 9.66 | " | " | " | " | " |
| Selenium | 0.192 | 0.0966 | " | " | " | " | " |
| Silver | ND | 0.0966 | " | " | " | " | " |
| Zinc | ND | 96.6 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 1.22 | 2.5 | mg/Kg | 1 | L674315 | 03/30/2023 | 04/05/2023 |
|----------------------|----|------|-----|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01@4'

3/30/2023 4:40:00PM

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

Origins Laboratory, Inc.
Y303804-09 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|------|--------|------|---|---------|------------|------------|
| Boron | 2.21 | 0.0994 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 |
|-------|------|--------|------|---|---------|------------|------------|

DRO/ORO by EPA 8015D

| | | | | | | | |
|-----------------------------------|------|-----|-------|----|---------|------------|------------|
| Diesel (C10-C28) | 6320 | 250 | mg/kg | 10 | B3C3120 | 03/31/2023 | 04/02/2023 |
| Residual Range Organics (C28-C40) | 2870 | 100 | " | 1 | " | " | 03/31/2023 |

| | | | | | | |
|------------------------|-------|--------|---|---|------------|---------------|
| Surrogate: o-Terphenyl | 282 % | 50-150 | " | " | 04/02/2023 | S-04, S-06, U |
|------------------------|-------|--------|---|---|------------|---------------|

GBTEX+TMBs by 8260D

| | | | | | | | |
|-----------------------------|---------|---------|-------|-----|---------|------------|------------|
| 1,2,4-Trimethylbenzene | 27.8 | 0.500 | mg/kg | 250 | B3C3128 | 03/31/2023 | 04/02/2023 |
| 1,3,5-Trimethylbenzene | 0.398 | 0.00200 | " | 1 | " | " | 03/31/2023 |
| Benzene | 0.0128 | 0.00200 | " | " | " | " | " |
| Ethylbenzene | 0.0210 | 0.00200 | " | " | " | " | " |
| Toluene | 0.00642 | 0.00200 | " | " | " | " | " |
| Xylenes, total | 17.6 | 0.00200 | " | " | " | " | 04/02/2023 |
| Gasoline Range Hydrocarbons | 1030 | 50.0 | " | 250 | " | " | " |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 99.2 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 115 % | 70-130 | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01@4'

3/30/2023 4:40:00PM

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

Origins Laboratory, Inc.
Y303804-09 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 3.02 | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 |
| Magnesium | 4.52 | 0.823 | " | " | " | " | " |
| Sodium | 33.7 | 0.435 | " | " | " | " | " |

PAH by 8270D SIM

| | | | | | | | | |
|-----------------------------|--------|---------|--------|-------|----|---------|------------|------------|
| 1-Methylnaphthalene | 2.44 | 0.0218 | 0.0402 | mg/Kg | 20 | L675584 | 04/12/2023 | 04/12/2023 |
| 2-Methylnaphthalene | 4.66 | 0.0387 | 0.0402 | " | " | " | " | " |
| Acenaphthene | 0.0922 | 0.00608 | 0.0134 | " | " | " | " | " |
| Anthracene | ND | 0.00668 | 0.0134 | " | " | " | " | " |
| Benzo(a)anthracene | 0.0505 | 0.00986 | 0.0134 | " | " | " | " | " |
| Benzo(a)pyrene | ND | 0.00936 | 0.0134 | " | " | " | " | " |
| Benzo(b)fluoranthene | ND | 0.0117 | 0.0134 | " | " | " | " | " |
| Benzo(k)fluoranthene | ND | 0.00874 | 0.0134 | " | " | " | " | " |
| Chrysene | 0.113 | 0.0125 | 0.0134 | " | " | " | " | " |
| Dibenz(a,h)anthracene | ND | 0.0123 | 0.0134 | " | " | " | " | " |
| Fluoranthene | 0.0191 | 0.00788 | 0.0134 | " | " | " | " | " |
| Fluorene | 0.536 | 0.00572 | 0.0134 | " | " | " | " | " |
| Indeno(1,2,3-cd)pyrene | ND | 0.0125 | 0.0134 | " | " | " | " | " |
| Naphthalene | 0.997 | 0.029 | 0.0402 | " | " | " | " | " |
| Pyrene | 0.0598 | 0.0129 | 0.0134 | " | " | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 44 % | | 33-115 | | | " | " | " |
| Surrogate: 4-Terphenyl-d14 | 48.9 % | | 33-122 | | | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01@4'

3/30/2023 4:40:00PM

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

Waypoint Analytical, LLC.
Y303804-09 (Soil)

PAH by 8270D SIM

| | | | | | |
|----------------------------|------|--------|-------------|------------|------------|
| Surrogate: Nitrobenzene-d5 | 52 % | 29-110 | L6755 84 | 04/12/2023 | 04/12/2023 |
|----------------------------|------|--------|-------------|------------|------------|

pH in Soil by 9045D

| | | | | | | |
|----|------|----------|---|---------|------------|------------|
| pH | 7.52 | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | |
|-----|------|-----|---|---------|------------|------------|
| SAR | 17.4 | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|------|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 3.13 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 5.22 | 0.0911 | mg/kg | 10 | B3C3126 | 03/31/2023 | 04/04/2023 |
| Barium | 172 | 9.11 | " | " | " | " | " |
| Cadmium | 0.157 | 0.0911 | " | " | " | " | " |
| Copper | 18.2 | 9.11 | " | " | " | " | " |
| Lead | 12.3 | 9.11 | " | " | " | " | " |
| Nickel | 20.2 | 9.11 | " | " | " | " | " |
| Selenium | 0.140 | 0.0911 | " | " | " | " | " |
| Silver | ND | 0.0911 | " | " | " | " | " |
| Zinc | ND | 91.1 | " | " | " | " | " |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01@4'

3/30/2023 4:40:00PM

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

Origins Laboratory, Inc.

Y303804-09 (Soil)

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|---|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.488 | 1 | mg/Kg | 1 | L675725 | 03/30/2023 | 04/12/2023 |
|----------------------|----|-------|---|-------|---|---------|------------|------------|

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TB-BG01@0.5'
3/30/2023 4:45:00PM

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

Origins Laboratory, Inc.
Y303804-10 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.248 | 0.0981 | mg/L | 1 | B3D0304 | 04/03/2023 | 04/04/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium | 3.05 | 0.499 | meq/L | 10 | [CALC] | 04/03/2023 | 04/05/2023 |
| Magnesium | 1.31 | 0.823 | " | " | " | " | " |
| Sodium | 1.33 | 0.435 | " | " | " | " | " |

pH in Soil by 9045D

| | | | | | | | |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.97 | | pH Units | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|----|------|--|----------|---|---------|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | |
|-----|-------|--|-----|---|---------|------------|------------|
| SAR | 0.898 | | SAR | 1 | B3D0309 | 04/03/2023 | 04/05/2023 |
|-----|-------|--|-----|---|---------|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.564 | 0.00500 | mmhos/cm | 1 | B3D0314 | 04/03/2023 | 04/04/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.04 | 0.0929 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Barium | 67.2 | 9.29 | " | " | " | " | " |
| Cadmium | ND | 0.0929 | " | " | " | " | " |
| Copper | ND | 9.29 | " | " | " | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TB-BG01@0.5'
3/30/2023 4:45:00PM

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

Origins Laboratory, Inc.
Y303804-10 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | |
|----------|--------|--------|-------|----|---------|------------|------------|
| Lead | ND | 9.29 | mg/kg | 10 | B3D0334 | 04/03/2023 | 04/04/2023 |
| Nickel | ND | 9.29 | " | " | " | " | " |
| Selenium | 0.0966 | 0.0929 | " | " | " | " | " |
| Silver | ND | 0.0929 | " | " | " | " | " |
| Zinc | ND | 92.9 | " | " | " | " | " |

Total Metals by 7196A

| | | | | | | | | |
|----------------------|----|-------|---|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.488 | 1 | mg/Kg | 1 | L674315 | 03/30/2023 | 04/05/2023 |
|----------------------|----|-------|---|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3120 - EPA 3580 | | | | | | | | | | |
| Blank (B3C3120-BLK1) | | | | | Prepared: 03/31/2023 Analyzed: 03/31/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 23 | | " | 24.9 | | 92.5 | 50-150 | | | |

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3120 - EPA 3580

LCS (B3C3120-BS1)

Prepared: 03/31/2023 Analyzed: 03/31/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 893 | 50.0 | mg/kg | 1000 | | 89.3 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 977 | 200 | " | 1000 | | 97.7 | 70-130 | | | |
| Surrogate: o-Terphenyl | 54 | | " | 49.8 | | 108 | 50-150 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3120 - EPA 3580

| Matrix Spike (B3C3120-MS1) | | Source: Y303804-01 | | | Prepared: 03/31/2023 Analyzed: 03/31/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 855 | 50.0 | mg/kg | 1000 | ND | 85.5 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 947 | 200 | " | 1000 | ND | 94.7 | 70-130 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 49.8 | | 100 | 50-150 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3120 - EPA 3580

| Matrix Spike Dup (B3C3120-MSD1) | | Source: Y303804-01 | | | Prepared: 03/31/2023 Analyzed: 03/31/2023 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|------|----|--|
| Diesel (C10-C28) | 928 | 50.0 | mg/kg | 1000 | ND | 92.8 | 70-130 | 8.15 | 35 | |
| Residual Range Organics (C28-C40) | 1010 | 200 | " | 1000 | ND | 101 | 70-130 | 6.60 | 35 | |
| Surrogate: o-Terphenyl | 46 | | " | 49.8 | | 91.7 | 50-150 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3128 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B3C3128-BLK1) | | | | | Prepared: 03/31/2023 Analyzed: 03/31/2023 | | | | | |
| 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 | 0.10 | | " | 0.125 | | 81.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 93.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 92.2 | 70-130 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3128 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B3C3128-BS1) | | | | | Prepared: 03/31/2023 Analyzed: 03/31/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.101 | 0.00200 | mg/kg | 0.100 | | 101 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.102 | 0.00200 | " | 0.100 | | 102 | 70-130 | | | |
| Benzene | 0.102 | 0.00200 | " | 0.100 | | 102 | 70-130 | | | |
| Ethylbenzene | 0.0963 | 0.00200 | " | 0.100 | | 96.3 | 70-130 | | | |
| Naphthalene | 0.113 | 0.00380 | " | 0.100 | | 113 | 70-130 | | | |
| Toluene | 0.0944 | 0.00200 | " | 0.100 | | 94.4 | 70-130 | | | |
| o-Xylene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| m,p-Xylene | 0.200 | 0.00400 | " | 0.200 | | 100 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.10 | | " | 0.125 | | 80.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 95.3 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3128 - EPA 5030 (soil)

| Matrix Spike (B3C3128-MS1) | | Source: Y303804-01 | | | Prepared: 03/31/2023 Analyzed: 03/31/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0940 | 0.00200 | mg/kg | 0.100 | ND | 94.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0946 | 0.00200 | " | 0.100 | ND | 94.6 | 70-130 | | | |
| Benzene | 0.0954 | 0.00200 | " | 0.100 | ND | 95.4 | 70-130 | | | |
| Ethylbenzene | 0.0880 | 0.00200 | " | 0.100 | ND | 88.0 | 70-130 | | | |
| Naphthalene | 0.0981 | 0.00380 | " | 0.100 | 0.000820 | 97.3 | 70-130 | | | |
| Toluene | 0.0860 | 0.00200 | " | 0.100 | ND | 86.0 | 70-130 | | | |
| o-Xylene | 0.0869 | 0.00200 | " | 0.100 | 0.000820 | 86.1 | 70-130 | | | |
| m,p-Xylene | 0.181 | 0.00400 | " | 0.200 | 0.000700 | 90.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.098 | | " | 0.125 | | 78.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 94.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 94.0 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3128 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike Dup (B3C3128-MSD1) | | | Source: Y303804-01 | | Prepared: 03/31/2023 Analyzed: 03/31/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0912 | 0.00200 | mg/kg | 0.100 | ND | 91.2 | 70-130 | 3.03 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0909 | 0.00200 | " | 0.100 | ND | 90.9 | 70-130 | 4.03 | 20 | |
| Benzene | 0.0958 | 0.00200 | " | 0.100 | ND | 95.8 | 70-130 | 0.397 | 20 | |
| Ethylbenzene | 0.0840 | 0.00200 | " | 0.100 | ND | 84.0 | 70-130 | 4.72 | 20 | |
| Naphthalene | 0.105 | 0.00380 | " | 0.100 | 0.000820 | 105 | 70-130 | 7.21 | 20 | |
| Toluene | 0.0848 | 0.00200 | " | 0.100 | ND | 84.8 | 70-130 | 1.43 | 20 | |
| o-Xylene | 0.0838 | 0.00200 | " | 0.100 | 0.000820 | 83.0 | 70-130 | 3.63 | 20 | |
| m,p-Xylene | 0.173 | 0.00400 | " | 0.200 | 0.000700 | 86.3 | 70-130 | 4.26 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.10 | | " | 0.125 | | 81.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 94.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 94.1 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3126 - EPA 3050B

Blank (B3C3126-BLK1)

Prepared: 03/31/2023 Analyzed: 04/04/2023

| | | | |
|----------|----|----------|-------|
| 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 | " |

LCS (B3C3126-BS1)

Prepared: 03/31/2023 Analyzed: 04/04/2023

| | | | | | | |
|----------|--------|----------|-------|--------|------|--------|
| Arsenic | 0.0492 | 0.000100 | mg/kg | 0.0500 | 98.4 | 80-120 |
| Barium | 4.94 | 0.0100 | " | 5.00 | 98.9 | 80-120 |
| Cadmium | 0.0472 | 0.000100 | " | 0.0500 | 94.5 | 80-120 |
| Copper | 0.516 | 0.0100 | " | 0.500 | 103 | 80-120 |
| Lead | 0.0490 | 0.0100 | " | 0.0500 | 98.0 | 80-120 |
| Nickel | 0.0508 | 0.0100 | " | 0.0500 | 102 | 80-120 |
| Selenium | 0.0499 | 0.000100 | " | 0.0500 | 99.9 | 80-120 |

Matrix Spike (B3C3126-MS1)

Source: Y303804-09

Prepared: 03/31/2023 Analyzed: 04/04/2023

| | | | | | | | | |
|---------|------|--------|-------|------|-------|------|--------|-------|
| Arsenic | 7.97 | 0.0866 | mg/kg | 4.33 | 5.22 | 63.7 | 75-125 | QM-07 |
| Barium | 573 | 8.66 | " | 433 | 172 | 92.6 | 75-125 | |
| Cadmium | 4.09 | 0.0866 | " | 4.33 | 0.157 | 90.8 | 75-125 | |
| Copper | 54.7 | 8.66 | " | 43.3 | 18.2 | 84.4 | 75-125 | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3C3126 - EPA 3050B

| | | | | | | | | | | |
|--|------|---------------------------|-------|------|---|------|--------|------|----|-------|
| Matrix Spike (B3C3126-MS1) | | Source: Y303804-09 | | | Prepared: 03/31/2023 Analyzed: 04/04/2023 | | | | | |
| Lead | 15.2 | 8.66 | mg/kg | 4.33 | 12.3 | 66.1 | 75-125 | | | QM-07 |
| Nickel | 16.6 | 8.66 | " | 4.33 | 20.2 | NR | 75-125 | | | QM-07 |
| Selenium | 3.81 | 0.0866 | " | 4.33 | 0.140 | 84.8 | 75-125 | | | |
| Matrix Spike Dup (B3C3126-MSD1) | | Source: Y303804-09 | | | Prepared: 03/31/2023 Analyzed: 04/04/2023 | | | | | |
| Arsenic | 8.72 | 0.0929 | mg/kg | 4.65 | 5.22 | 75.4 | 75-125 | 8.94 | 20 | |
| Barium | 688 | 9.29 | " | 465 | 172 | 111 | 75-125 | 18.3 | 20 | |
| Cadmium | 4.43 | 0.0929 | " | 4.65 | 0.157 | 92.1 | 75-125 | 8.08 | 20 | |
| Copper | 61.4 | 9.29 | " | 46.5 | 18.2 | 93.0 | 75-125 | 11.5 | 20 | |
| Lead | 16.2 | 9.29 | " | 4.65 | 12.3 | 83.4 | 75-125 | 6.44 | 20 | |
| Nickel | 19.9 | 9.29 | " | 4.65 | 20.2 | NR | 75-125 | 18.0 | 20 | QM-07 |
| Selenium | 4.25 | 0.0929 | " | 4.65 | 0.140 | 88.4 | 75-125 | 10.9 | 20 | |

Batch B3D0334 - EPA 3050B

| | | | | | | | | | | |
|-----------------------------|----|---|-------|--|--|--|--|--|--|--|
| Blank (B3D0334-BLK1) | | Prepared: 04/03/2023 Analyzed: 04/04/2023 | | | | | | | | |
| 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 (B3D0334-BS1) | | Prepared: 04/03/2023 Analyzed: 04/04/2023 | | | | | | | | |

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Ensolum
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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3D0334 - EPA 3050B

LCS (B3D0334-BS1)

Prepared: 04/03/2023 Analyzed: 04/04/2023

| | | | | | | | | | | |
|----------|--------|----------|-------|--------|--|------|--------|--|--|--|
| Arsenic | 0.0450 | 0.000100 | mg/kg | 0.0500 | | 90.0 | 80-120 | | | |
| Barium | 4.71 | 0.0100 | " | 5.00 | | 94.2 | 80-120 | | | |
| Cadmium | 0.0484 | 0.000100 | " | 0.0500 | | 96.7 | 80-120 | | | |
| Copper | 0.498 | 0.0100 | " | 0.500 | | 99.6 | 80-120 | | | |
| Lead | 0.0504 | 0.0100 | " | 0.0500 | | 101 | 80-120 | | | |
| Nickel | 0.0508 | 0.0100 | " | 0.0500 | | 102 | 80-120 | | | |
| Selenium | 0.0482 | 0.000100 | " | 0.0500 | | 96.5 | 80-120 | | | |
| Silver | 0.0516 | 0.000100 | " | 0.0500 | | 103 | 80-120 | | | |
| Zinc | 0.470 | 0.100 | " | 0.500 | | 93.9 | 80-120 | | | |

Matrix Spike (B3D0334-MS1)

Source: Y304015-13

Prepared: 04/03/2023 Analyzed: 04/04/2023

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|--|--|--|
| Arsenic | 5.97 | 0.0877 | mg/kg | 4.38 | 1.49 | 102 | 75-125 | | | |
| Barium | 483 | 8.77 | " | 438 | 44.6 | 100 | 75-125 | | | |
| Cadmium | 4.41 | 0.0877 | " | 4.38 | 0.0465 | 99.5 | 75-125 | | | |
| Copper | 47.4 | 8.77 | " | 43.8 | 3.81 | 99.5 | 75-125 | | | |
| Lead | 8.33 | 8.77 | " | 4.38 | 3.91 | 101 | 75-125 | | | |
| Nickel | 8.39 | 8.77 | " | 4.38 | 3.63 | 109 | 75-125 | | | |
| Selenium | 3.99 | 0.0877 | " | 4.38 | 0.0474 | 89.9 | 75-125 | | | |
| Silver | 4.42 | 0.0877 | " | 4.38 | 0.0102 | 101 | 75-125 | | | |
| Zinc | 60.9 | 87.7 | " | 43.8 | 15.5 | 104 | 75-125 | | | |

Matrix Spike Dup (B3D0334-MSD1)

Source: Y304015-13

Prepared: 04/03/2023 Analyzed: 04/04/2023

| | | | | | | | | | | |
|---------|------|--------|-------|------|--------|------|--------|------|----|--|
| Arsenic | 6.17 | 0.0952 | mg/kg | 4.76 | 1.49 | 98.3 | 75-125 | 3.27 | 20 | |
| Barium | 516 | 9.52 | " | 476 | 44.6 | 99.0 | 75-125 | 6.51 | 20 | |
| Cadmium | 4.69 | 0.0952 | " | 4.76 | 0.0465 | 97.5 | 75-125 | 6.17 | 20 | |
| Copper | 50.5 | 9.52 | " | 47.6 | 3.81 | 98.1 | 75-125 | 6.34 | 20 | |
| Lead | 8.68 | 9.52 | " | 4.76 | 3.91 | 100 | 75-125 | 4.17 | 20 | |

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Ensolum
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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3D0334 - EPA 3050B

| Matrix Spike Dup (B3D0334-MSD1) | | Source: Y304015-13 | | | Prepared: 04/03/2023 Analyzed: 04/04/2023 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|------|----|--|
| Nickel | 8.51 | 9.52 | mg/kg | 4.76 | 3.63 | 102 | 75-125 | 1.36 | 20 | |
| Selenium | 4.18 | 0.0952 | " | 4.76 | 0.0474 | 86.9 | 75-125 | 4.82 | 20 | |
| Silver | 4.66 | 0.0952 | " | 4.76 | 0.0102 | 97.8 | 75-125 | 5.26 | 20 | |
| Zinc | 62.6 | 95.2 | " | 47.6 | 15.5 | 98.9 | 75-125 | 2.78 | 20 | |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3D0304 - DTPA Sorbitol Preparation

Blank (B3D0304-BLK1)

Prepared: 04/03/2023 Analyzed: 04/04/2023

Boron ND 0.100 mg/L

Duplicate (B3D0304-DUP1)

Source: Y303804-01

Prepared: 04/03/2023 Analyzed: 04/04/2023

Boron 0.0243 0.0997 mg/L 0.0302 21.4 50

Batch B3D0309 - Saturated Paste Metals

Blank (B3D0309-BLK1)

Prepared: 04/03/2023 Analyzed: 04/05/2023

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

Duplicate (B3D0309-DUP1)

Source: Y303804-01

Prepared: 04/03/2023 Analyzed: 04/05/2023

SAR 0.00 SAR 0.274 200 200
Calcium PPM 5.53 10.0 mg/L 6.87 21.6 50
Magnesium PPM 2.53 10.0 " 3.08 19.5 50
Sodium PPM 3.43 10.0 " 3.44 0.204 50

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3D0314 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B3D0314-BLK1) | | | | | Prepared: 04/03/2023 Analyzed: 04/04/2023 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B3D0314-DUP1) | | | | | Source: Y303804-01 Prepared: 04/03/2023 Analyzed: 04/04/2023 | | | | | |
| pH | 7.40 | | pH Units | | 7.53 | | | 1.74 | 25 | |
| Specific Conductance (EC) | 0.0815 | 0.00500 | mmhos/cm | | 0.0964 | | | 16.8 | 25 | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L674382 - 3550B

| MSD (L 92244-MSD-L674382) | | Source: Y303804-06 | | | Prepared: 04/06/2023 Analyzed: 04/06/2023 | | | | | |
|-----------------------------|--------|--------------------|-------|-------|---|------|--------|------|----|--|
| 2-Methylnaphthalene | 0.106 | 0.00201 | mg/Kg | 0.164 | 0.00544 | 61.3 | 30-130 | 11.8 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.0723 | 0.00067 | " | 0.164 | 0.000698 | 43.6 | 30-130 | 6.4 | 30 | |
| 1-Methylnaphthalene | 0.108 | 0.00201 | " | 0.164 | 0.00298 | 64 | 30-130 | 15.1 | 30 | |
| Pyrene | 0.106 | 0.00067 | " | 0.164 | 0.00306 | 62.7 | 30-130 | 6.5 | 30 | |
| Naphthalene | 0.0991 | 0.00201 | " | 0.164 | <0.00145 | 60.4 | 30-130 | 13.6 | 30 | |
| Fluorene | 0.116 | 0.00067 | " | 0.164 | 0.00397 | 68.3 | 30-130 | 12.8 | 30 | |
| Fluoranthene | 0.111 | 0.00067 | " | 0.164 | 0.00174 | 66.6 | 30-130 | 7.4 | 30 | |
| Dibenz(a,h)anthracene | 0.124 | 0.00067 | " | 0.164 | <0.000614 | 75.6 | 30-130 | 10.1 | 30 | |
| Acenaphthene | 0.104 | 0.00067 | " | 0.164 | 0.00146 | 62.5 | 30-130 | 11 | 30 | |
| Chrysene | 0.12 | 0.00067 | " | 0.164 | 0.00432 | 70.5 | 30-130 | 6.8 | 30 | |
| Anthracene | 0.117 | 0.00067 | " | 0.164 | 0.000408 | 71 | 30-130 | 8.9 | 30 | |
| Benzo(a)anthracene | 0.106 | 0.00067 | " | 0.164 | 0.000861 | 64.1 | 30-130 | 8.6 | 30 | |
| Benzo(a)pyrene | 0.117 | 0.00067 | " | 0.164 | <0.000468 | 71.3 | 30-130 | 0 | 30 | |
| Benzo(b)fluoranthene | 0.0638 | 0.00067 | " | 0.164 | 0.000898 | 38.3 | 30-130 | 13 | 30 | |
| Benzo(k)fluoranthene | 0.0894 | 0.00067 | " | 0.164 | 0.00052 | 54.1 | 30-130 | 10.3 | 30 | |
| Surrogate: 2-Fluorobiphenyl | 57.1 | | " | 0.329 | 171 | 57.1 | 33-115 | | | |
| Surrogate: Nitrobenzene-d5 | 53.7 | | " | 0.329 | 156 | 53.7 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 55.6 | | " | 0.329 | 162 | 55.6 | 33-122 | | | |

| MS (L 92244-MS-L674382) | | Source: Y303804-06 | | | Prepared: 04/06/2023 Analyzed: 04/06/2023 | | | | | |
|-------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| Chrysene | 0.112 | 0.00067 | mg/Kg | 0.162 | 0.00432 | 66.4 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0928 | 0.00201 | " | 0.162 | 0.00298 | 55.4 | 30-130 | | | |
| Naphthalene | 0.0864 | 0.00201 | " | 0.162 | <0.00145 | 53.3 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.0678 | 0.00067 | " | 0.162 | 0.000698 | 41.4 | 30-130 | | | |
| Fluorene | 0.102 | 0.00067 | " | 0.162 | 0.00397 | 60.5 | 30-130 | | | |
| Fluoranthene | 0.103 | 0.00067 | " | 0.162 | 0.00174 | 62.5 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.112 | 0.00067 | " | 0.162 | <0.000614 | 69.1 | 30-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L674382 - 3550B

| MS (L 92244-MS-L674382) | | Source: Y303804-06 | | | Prepared: 04/06/2023 Analyzed: 04/06/2023 | | | | | |
|-----------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| Pyrene | 0.0993 | 0.00067 | mg/Kg | 0.162 | 0.00306 | 59.4 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.0806 | 0.00067 | " | 0.162 | 0.00052 | 49.4 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.056 | 0.00067 | " | 0.162 | 0.000898 | 34 | 30-130 | | | |
| Benzo(a)pyrene | 0.117 | 0.00067 | " | 0.162 | <0.000468 | 72.2 | 30-130 | | | |
| Benzo(a)anthracene | 0.0972 | 0.00067 | " | 0.162 | 0.000861 | 59.4 | 30-130 | | | |
| Anthracene | 0.107 | 0.00067 | " | 0.162 | 0.000408 | 65.7 | 30-130 | | | |
| Acenaphthene | 0.0931 | 0.00067 | " | 0.162 | 0.00146 | 56.5 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0941 | 0.00201 | " | 0.162 | 0.00544 | 54.7 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 47.3 | | " | 0.325 | 156 | 47.3 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 51.6 | | " | 0.325 | 162 | 51.6 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 51.3 | | " | 0.325 | 171 | 51.3 | 33-115 | | | |

| LCS (LCS-L674382) | | Prepared: 04/06/2023 Analyzed: 04/06/2023 | | | | | | | | |
|------------------------|--------|---|-------|-------|--|------|--------|--|--|--|
| 2-Methylnaphthalene | 0.105 | 0.00201 | mg/Kg | 0.167 | | 62.8 | 30-130 | | | |
| Pyrene | 0.115 | 0.00067 | " | 0.167 | | 68.8 | 30-130 | | | |
| Acenaphthene | 0.11 | 0.00067 | " | 0.167 | | 65.8 | 30-130 | | | |
| Anthracene | 0.132 | 0.00067 | " | 0.167 | | 79 | 30-130 | | | |
| Benzo(a)anthracene | 0.113 | 0.00067 | " | 0.167 | | 67.6 | 30-130 | | | |
| Benzo(a)pyrene | 0.129 | 0.00067 | " | 0.167 | | 77.2 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.0811 | 0.00067 | " | 0.167 | | 48.5 | 30-130 | | | |
| Chrysene | 0.131 | 0.00067 | " | 0.167 | | 78.4 | 30-130 | | | |
| Fluorene | 0.125 | 0.00067 | " | 0.167 | | 74.8 | 30-130 | | | |
| 1-Methylnaphthalene | 0.111 | 0.00201 | " | 0.167 | | 66.4 | 30-130 | | | |
| Naphthalene | 0.106 | 0.00201 | " | 0.167 | | 63.4 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.135 | 0.00067 | " | 0.167 | | 80.8 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.0841 | 0.00067 | " | 0.167 | | 50.3 | 30-130 | | | |
| Fluoranthene | 0.118 | 0.00067 | " | 0.167 | | 70.6 | 30-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L674382 - 3550B

LCS (LCS-L674382)

Prepared: 04/06/2023 Analyzed: 04/06/2023

| | | | | | | | | | | |
|-----------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| Benzo(k)fluoranthene | 0.0947 | 0.00067 | mg/Kg | 0.167 | | 56.7 | 30-130 | | | |
| Surrogate: 2-Fluorobiphenyl | 62.4 | | " | 0.333 | | 62.4 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 70.2 | | " | 0.333 | | 70.2 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 58.2 | | " | 0.333 | | 58.2 | 29-110 | | | |

LRB (LRB-L674382)

Prepared: 04/06/2023 Analyzed: 04/06/2023

| | | | | | | | | | | |
|-----------------------------|------|---------|-------|-------|--|------|--------|--|--|--|
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Naphthalene | ND | 0.00201 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Pyrene | ND | 0.00067 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: 4-Terphenyl-d14 | 66 | | " | 0.333 | | 66 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 54.9 | | " | 0.333 | | 54.9 | 33-115 | | | |
| Surrogate: Nitrobenzene-d5 | 50.7 | | " | 0.333 | | 50.7 | 29-110 | | | |

Batch L675584 - 3550B

MSD (L 94380-MSD-L675584)

Source: 94380

Prepared: 04/12/2023 Analyzed: 04/12/2023

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L675584 - 3550B

| MSD (L 94380-MSD-L675584) | | Source: 94380 | | | Prepared: 04/12/2023 Analyzed: 04/12/2023 | | | | | |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|-----|----|--|
| Naphthalene | 0.0958 | 0.00201 | mg/Kg | 0.166 | <0.00145 | 57.7 | 30-130 | 0.1 | 30 | |
| Benzo(a)anthracene | 0.122 | 0.00067 | " | 0.166 | <0.000493 | 73.4 | 30-130 | 1.6 | 30 | |
| 2-Methylnaphthalene | 0.0973 | 0.00201 | " | 0.166 | <0.00194 | 58.6 | 30-130 | 1 | 30 | |
| Acenaphthene | 0.0998 | 0.00067 | " | 0.166 | <0.000304 | 60.1 | 30-130 | 0.5 | 30 | |
| Anthracene | 0.106 | 0.00067 | " | 0.166 | <0.000334 | 63.8 | 30-130 | 0.9 | 30 | |
| 1-Methylnaphthalene | 0.0956 | 0.00201 | " | 0.166 | <0.00109 | 57.5 | 30-130 | 1.5 | 30 | |
| Pyrene | 0.11 | 0.00067 | " | 0.166 | <0.000643 | 66.2 | 30-130 | 1.8 | 30 | |
| Benzo(b)fluoranthene | 0.0962 | 0.00067 | " | 0.166 | <0.000585 | 57.9 | 30-130 | 3.1 | 30 | |
| Benzo(k)fluoranthene | 0.0946 | 0.00067 | " | 0.166 | <0.000437 | 56.9 | 30-130 | 7.5 | 30 | |
| Chrysene | 0.102 | 0.00067 | " | 0.166 | <0.000624 | 61.4 | 30-130 | 3.8 | 30 | |
| Dibenz(a,h)anthracene | 0.0943 | 0.00067 | " | 0.166 | <0.000614 | 56.8 | 30-130 | 5.7 | 30 | |
| Fluoranthene | 0.116 | 0.00067 | " | 0.166 | <0.000394 | 69.8 | 30-130 | 2.5 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.0955 | 0.00067 | " | 0.166 | <0.000627 | 57.5 | 30-130 | 1.6 | 30 | |
| Fluorene | 0.104 | 0.00067 | " | 0.166 | <0.000286 | 62.6 | 30-130 | 0 | 30 | |
| Benzo(a)pyrene | 0.113 | 0.00067 | " | 0.166 | <0.000468 | 68 | 30-130 | 0.8 | 30 | |
| Surrogate: 2-Fluorobiphenyl | 49.5 | | " | 0.331 | 153 | 49.5 | 33-115 | | | |
| Surrogate: 4-Terphenyl-d14 | 61.9 | | " | 0.331 | 193 | 61.9 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 52.2 | | " | 0.331 | 170 | 52.2 | 29-110 | | | |

| MS (L 94380-MS-L675584) | | Source: 94380 | | | Prepared: 04/12/2023 Analyzed: 04/12/2023 | | | | | |
|-------------------------|--------|---------------|-------|-------|---|------|--------|--|--|--|
| Dibenz(a,h)anthracene | 0.0999 | 0.00067 | mg/Kg | 0.166 | <0.000614 | 60.1 | 30-130 | | | |
| Fluoranthene | 0.119 | 0.00067 | " | 0.166 | <0.000394 | 71.6 | 30-130 | | | |
| Fluorene | 0.104 | 0.00067 | " | 0.166 | <0.000286 | 62.6 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.0971 | 0.00067 | " | 0.166 | <0.000627 | 58.4 | 30-130 | | | |
| Naphthalene | 0.0957 | 0.00201 | " | 0.166 | <0.00145 | 57.6 | 30-130 | | | |
| Chrysene | 0.106 | 0.00067 | " | 0.166 | <0.000624 | 63.8 | 30-130 | | | |
| Pyrene | 0.112 | 0.00067 | " | 0.166 | <0.000643 | 67.4 | 30-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L675584 - 3550B

| MS (L 94380-MS-L675584) | | Source: 94380 | | | Prepared: 04/12/2023 Analyzed: 04/12/2023 | | | | | |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|--|--|--|
| Benzo(k)fluoranthene | 0.102 | 0.00067 | mg/Kg | 0.166 | <0.000437 | 61.4 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.0993 | 0.00067 | " | 0.166 | <0.000585 | 59.8 | 30-130 | | | |
| Benzo(a)pyrene | 0.114 | 0.00067 | " | 0.166 | <0.000468 | 68.6 | 30-130 | | | |
| Benzo(a)anthracene | 0.124 | 0.00067 | " | 0.166 | <0.000493 | 74.6 | 30-130 | | | |
| Acenaphthene | 0.0993 | 0.00067 | " | 0.166 | <0.000304 | 59.8 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0983 | 0.00201 | " | 0.166 | 4.66 | 59.2 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0971 | 0.00201 | " | 0.166 | <0.00109 | 58.4 | 30-130 | | | |
| Anthracene | 0.107 | 0.00067 | " | 0.166 | <0.000334 | 64.4 | 30-130 | | | |
| Surrogate: 4-Terphenyl-d14 | 61.1 | | " | 0.332 | 193 | 61.1 | 33-122 | | | |
| Surrogate: Nitrobenzene-d5 | 53.6 | | " | 0.332 | 170 | 53.6 | 29-110 | | | |
| Surrogate: 2-Fluorobiphenyl | 50 | | " | 0.332 | 153 | 50 | 33-115 | | | |

| LCS (LCS-L675584) | | Prepared: 04/12/2023 Analyzed: 04/12/2023 | | | | | | | | |
|------------------------|-------|---|-------|-------|--|------|--------|--|--|--|
| Benzo(a)anthracene | 0.14 | 0.00067 | mg/Kg | 0.167 | | 83.8 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.111 | 0.00067 | " | 0.167 | | 66.4 | 30-130 | | | |
| Pyrene | 0.13 | 0.00067 | " | 0.167 | | 77.8 | 30-130 | | | |
| Naphthalene | 0.115 | 0.00201 | " | 0.167 | | 68.8 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.116 | 0.00067 | " | 0.167 | | 69.4 | 30-130 | | | |
| Fluoranthene | 0.137 | 0.00067 | " | 0.167 | | 82 | 30-130 | | | |
| Chrysene | 0.125 | 0.00067 | " | 0.167 | | 74.8 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.121 | 0.00067 | " | 0.167 | | 72.4 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.111 | 0.00067 | " | 0.167 | | 66.4 | 30-130 | | | |
| Acenaphthene | 0.116 | 0.00067 | " | 0.167 | | 69.4 | 30-130 | | | |
| Anthracene | 0.123 | 0.00067 | " | 0.167 | | 73.6 | 30-130 | | | |
| 2-Methylnaphthalene | 0.116 | 0.00201 | " | 0.167 | | 69.4 | 30-130 | | | |
| 1-Methylnaphthalene | 0.115 | 0.00201 | " | 0.167 | | 68.8 | 30-130 | | | |
| Benzo(a)pyrene | 0.133 | 0.00067 | " | 0.167 | | 79.6 | 30-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L675584 - 3550B

LCS (LCS-L675584)

Prepared: 04/12/2023 Analyzed: 04/12/2023

| | | | | | | | | | | |
|-----------------------------|-------|---------|-------|-------|------|------|--------|--|--|--|
| Fluorene | 0.121 | 0.00067 | mg/Kg | 0.167 | | 72.4 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 66 | | " | 0.333 | 66 | | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 74.4 | | " | 0.333 | 74.4 | | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 62.7 | | " | 0.333 | 62.7 | | 33-115 | | | |

LRB (LRB-L675584)

Prepared: 04/12/2023 Analyzed: 04/12/2023

| | | | | | | | | | | |
|-----------------------------|------|---------|-------|-------|------|--|--------|--|--|--|
| Benzo(b)fluoranthene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | " | | | | - | | | |
| Naphthalene | ND | 0.00201 | " | | | | - | | | |
| Pyrene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: Nitrobenzene-d5 | 58.5 | | " | 0.333 | 58.5 | | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 66 | | " | 0.333 | 66 | | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 55.8 | | " | 0.333 | 55.8 | | 33-115 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 L675725 - | | | | | | | | | | |
| DUP (L 94228-DUP) | Source: Y303804-09 | | | | Prepared: Analyzed: 04/12/2023 | | | | | |
| Chromium, Hexavalent | ND | 1.01 | mg/Kg | | <1.01 | | - | 0 | 20 | |
| MS (L 94228-MS) | Source: Y303804-09 | | | | Prepared: Analyzed: 04/12/2023 | | | | | |
| Chromium, Hexavalent | 7.35 | 2.5 | mg/Kg | 39 | <1.22 | 19 | 75-125 | | | * |
| LCS (LCS) | | | | | Prepared: Analyzed: 04/12/2023 | | | | | |
| Chromium, Hexavalent | 6.62 | 0.5 | mg/Kg | 8 | | 83 | 75-125 | | | |
| LRB (LRB) | | | | | Prepared: Analyzed: 04/12/2023 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L674189 - 3550B

| MSD (L 92211-MSD-L674189) | | Source: 92211 | | | Prepared: 04/05/2023 Analyzed: 04/06/2023 | | | | | |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|------|----|--|
| Indeno(1,2,3-cd)pyrene | 0.0824 | 0.00067 | mg/Kg | 0.166 | 0.00114 | 48.9 | 30-130 | 11.4 | 30 | |
| Fluorene | 0.107 | 0.00067 | " | 0.166 | <0.000286 | 64.4 | 30-130 | 0 | 30 | |
| Fluoranthene | 0.106 | 0.00067 | " | 0.166 | <0.000394 | 63.8 | 30-130 | 1.8 | 30 | |
| Dibenz(a,h)anthracene | 0.125 | 0.00067 | " | 0.166 | 0.00127 | 74.5 | 30-130 | 4 | 30 | |
| Benzo(a)anthracene | 0.0983 | 0.00067 | " | 0.166 | <0.000493 | 59.2 | 30-130 | 1 | 30 | |
| Chrysene | 0.122 | 0.00067 | " | 0.166 | <0.000624 | 73.4 | 30-130 | 0.8 | 30 | |
| Pyrene | 0.104 | 0.00067 | " | 0.166 | <0.000643 | 62.6 | 30-130 | 0.9 | 30 | |
| 1-Methylnaphthalene | 0.0955 | 0.00201 | " | 0.166 | <0.00109 | 57.5 | 30-130 | 4 | 30 | |
| Benzo(a)pyrene | 0.12 | 0.00067 | " | 0.166 | <0.000468 | 72.2 | 30-130 | 0.8 | 30 | |
| Anthracene | 0.116 | 0.00067 | " | 0.166 | <0.000334 | 69.8 | 30-130 | 0.8 | 30 | |
| Acenaphthene | 0.0957 | 0.00067 | " | 0.166 | <0.000304 | 57.6 | 30-130 | 1.2 | 30 | |
| 2-Methylnaphthalene | 0.0902 | 0.00201 | " | 0.166 | <0.00194 | 54.3 | 30-130 | 3.1 | 30 | |
| Benzo(k)fluoranthene | 0.108 | 0.00067 | " | 0.166 | 0.000928 | 64.5 | 30-130 | 6.6 | 30 | |
| Benzo(b)fluoranthene | 0.0669 | 0.00067 | " | 0.166 | 0.000793 | 39.8 | 30-130 | 5.8 | 30 | |
| Surrogate: Nitrobenzene-d5 | 53 | | " | 0.332 | 153 | 53 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 61.7 | | " | 0.332 | 186 | 61.7 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 53.6 | | " | 0.332 | 154 | 53.6 | 33-115 | | | |

| MS (L 92211-MS-L674189) | | Source: 92211 | | | Prepared: 04/05/2023 Analyzed: 04/06/2023 | | | | | |
|-------------------------|--------|---------------|-------|-------|---|------|--------|--|--|--|
| Dibenz(a,h)anthracene | 0.12 | 0.00067 | mg/Kg | 0.164 | 0.00127 | 72.3 | 30-130 | | | |
| Fluoranthene | 0.108 | 0.00067 | " | 0.164 | <0.000394 | 65.8 | 30-130 | | | |
| Fluorene | 0.107 | 0.00067 | " | 0.164 | <0.000286 | 65.2 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.0735 | 0.00067 | " | 0.164 | 0.00114 | 44.1 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0994 | 0.00201 | " | 0.164 | <0.00109 | 60.6 | 30-130 | | | |
| Chrysene | 0.121 | 0.00067 | " | 0.164 | <0.000624 | 73.7 | 30-130 | | | |
| Pyrene | 0.105 | 0.00067 | " | 0.164 | <0.000643 | 64 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.0631 | 0.00067 | " | 0.164 | 0.000793 | 37.9 | 30-130 | | | |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

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

Batch L674189 - 3550B

| MS (L 92211-MS-L674189) | | Source: 92211 | | | Prepared: 04/05/2023 Analyzed: 04/06/2023 | | | | | |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|--|--|--|
| Benzo(a)pyrene | 0.119 | 0.00067 | mg/Kg | 0.164 | <0.000468 | 72.5 | 30-130 | | | |
| Benzo(a)anthracene | 0.0973 | 0.00067 | " | 0.164 | <0.000493 | 59.3 | 30-130 | | | |
| Anthracene | 0.115 | 0.00067 | " | 0.164 | <0.000334 | 70.1 | 30-130 | | | |
| Acenaphthene | 0.0969 | 0.00067 | " | 0.164 | <0.000304 | 59 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.101 | 0.00067 | " | 0.164 | 0.000928 | 61 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0931 | 0.00201 | " | 0.164 | <0.00194 | 56.7 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 52.5 | | " | 0.329 | 153 | 52.5 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 62.6 | | " | 0.329 | 186 | 62.6 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 53.7 | | " | 0.329 | 154 | 53.7 | 33-115 | | | |

| LCS (LCS-L674189) | | Prepared: 04/05/2023 Analyzed: 04/06/2023 | | | | | | | | |
|----------------------------|--------|---|-------|-------|--|------|--------|--|--|--|
| Pyrene | 0.115 | 0.00067 | mg/Kg | 0.167 | | 68.8 | 30-130 | | | |
| Benzo(a)pyrene | 0.133 | 0.00067 | " | 0.167 | | 79.6 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.075 | 0.00067 | " | 0.167 | | 44.9 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.0913 | 0.00067 | " | 0.167 | | 54.6 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.127 | 0.00067 | " | 0.167 | | 76 | 30-130 | | | |
| Fluorene | 0.125 | 0.00067 | " | 0.167 | | 74.8 | 30-130 | | | |
| Benzo(a)anthracene | 0.111 | 0.00067 | " | 0.167 | | 66.4 | 30-130 | | | |
| Chrysene | 0.132 | 0.00067 | " | 0.167 | | 79 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.0872 | 0.00067 | " | 0.167 | | 52.2 | 30-130 | | | |
| Acenaphthene | 0.109 | 0.00067 | " | 0.167 | | 65.2 | 30-130 | | | |
| 2-Methylnaphthalene | 0.103 | 0.00201 | " | 0.167 | | 61.6 | 30-130 | | | |
| 1-Methylnaphthalene | 0.11 | 0.00201 | " | 0.167 | | 65.8 | 30-130 | | | |
| Fluoranthene | 0.119 | 0.00067 | " | 0.167 | | 71.2 | 30-130 | | | |
| Anthracene | 0.133 | 0.00067 | " | 0.167 | | 79.6 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 60.9 | | " | 0.333 | | 60.9 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 69.9 | | " | 0.333 | | 69.9 | 33-122 | | | |

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: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch L674189 - 3550B | | | | | | | | | | |
| LCS (LCS-L674189) | | | | | Prepared: 04/05/2023 Analyzed: 04/06/2023 | | | | | |
| Surrogate: 2-Fluorobiphenyl | 64.2 | | mg/Kg | 0.333 | | 64.2 | 33-115 | | | |
| LRB (LRB-L674189) | | | | | Prepared: 04/05/2023 Analyzed: 04/06/2023 | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Pyrene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: Nitrobenzene-d5 | 59.1 | | " | 0.333 | | 59.1 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 71.1 | | " | 0.333 | | 71.1 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 63 | | " | 0.333 | | 63 | 33-115 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 L674315 - | | | | | | | | | | |
| DUP (L 92243-DUP) | Source: Y303804-05 | | | | Prepared: Analyzed: 04/05/2023 | | | | | |
| Chromium, Hexavalent | ND | 2.56 | mg/Kg | | <2.56 | - | | 0 | 20 | |
| MS (L 92243-MS) | Source: Y303804-05 | | | | Prepared: Analyzed: 04/05/2023 | | | | | |
| Chromium, Hexavalent | 32.2 | 2.51 | mg/Kg | 40.2 | <1.22 | 80 | 75-125 | | | |
| LCS (LCS) | | | | | Prepared: Analyzed: 04/05/2023 | | | | | |
| Chromium, Hexavalent | 6.19 | 0.5 | mg/Kg | 8 | | 77 | 75-125 | | | |
| LRB (LRB) | | | | | Prepared: Analyzed: 04/05/2023 | | | | | |
| 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: 09A1417263
Project: KMG - Junction 11,12,22-2 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 L674313 - | | | | | | | | | | |
| DUP (L 92230-DUP) | | Source: 92230 | | | Prepared: Analyzed: 04/05/2023 | | | | | |
| Chromium, Hexavalent | ND | 2.54 | mg/Kg | | <2.54 | - | | 0 | 20 | |
| MS (L 92230-MS) | | Source: 92230 | | | Prepared: Analyzed: 04/05/2023 | | | | | |
| Chromium, Hexavalent | 31 | 2.6 | mg/Kg | 41.5 | <1.27 | 75 | 75-125 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Notes and Definitions

U Sample is Non-Detect.

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

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

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.

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.



July 14, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Junction 11,12,22-2 O SA Facility **Project Number - 09A1417263**

Attached are your analytical results for KMG - Junction 11,12,22-2 O SA Facility received by Origins Laboratory, Inc. June 29, 2023. This project is associated with Origins project number Y306823-01.

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

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

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

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

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

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



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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|---------------------|------------------|
| N01@4' | Y306823-01 | Soil | June 29, 2023 14:40 | 06/29/2023 17:39 |
| E01@4' | Y306823-02 | Soil | June 29, 2023 14:42 | 06/29/2023 17:39 |
| E02@4' | Y306823-03 | Soil | June 29, 2023 14:44 | 06/29/2023 17:39 |
| S01@4' | Y306823-04 | Soil | June 29, 2023 14:50 | 06/29/2023 17:39 |
| W01@4' | Y306823-05 | Soil | June 29, 2023 14:52 | 06/29/2023 17:39 |
| W02@4' | Y306823-06 | Soil | June 29, 2023 14:54 | 06/29/2023 17:39 |
| B01@6' | Y306823-07 | Soil | June 29, 2023 15:00 | 06/29/2023 17:39 |
| B02@6' | Y306823-08 | Soil | June 29, 2023 15:02 | 06/29/2023 17:39 |
| B03@6' | Y306823-09 | Soil | June 29, 2023 15:04 | 06/29/2023 17:39 |
| E03@4' | Y306823-10 | Soil | June 29, 2023 15:08 | 06/29/2023 17:39 |
| AST-GW01 | Y306823-11 | Water | June 29, 2023 15:15 | 06/29/2023 17:39 |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

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

| 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 | TMBS | PAHs | Boron | Arsenic | Barium | Cadmium | Copper | | Cobalt | Chromium | Lead | Nickel | Selenium | Zinc |
| N01a4' | 6/29/23 | 1440 | 3 | X | | | | | X | | | | | | X | X | X | X | X | X | X | X | X | X | |
| E01a4' | | 1442 | | | | | | | | | | | | | | | | | | | | | | | |
| E02a4' | | 1444 | | | | | | | | | | | | | | | | | | | | | | | |
| S01a4' | | 1450 | | | | | | | | | | | | | | | | | | | | | | | |
| W01a4' | | 1452 | | | | | | | | | | | | | | | | | | | | | | | |
| W02a4' | | 1454 | | | | | | | | | | | | | | | | | | | | | | | |
| B01a6' | | 1500 | | | | | | | | | | | | | | | | | | | | | | | |
| B02a6' | | 1502 | | | | | | | | | | | | | | | | | | | | | | | |
| B03a6' | | 1504 | | | | | | | | | | | | | | | | | | | | | | | |
| E03a4' | | 1508 | | | | | | | | | | | | | | | | | | | | | | | |

Temp Received -

5

Date Results Needed



Client: Ensolum
 Address: _____
 Telephone Number: _____
 Email Address: KMG Team
 Project Manager: Jeremy Espinoza
 Project Name: Junction 11,12,22-2 O SA Facility
 Project Number: 09A1417263
 Samples Collected By: FS

ORIGINS
LABORATORY, INC

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430423
page 1 of 2

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Origins Laboratory, Inc.

J. Bynon

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

Page 4 of 43

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: UB010723

Client: Ensolum

Client Project ID: Junction 11,12,22-2 O

Checklist Completed by: WH1815

Shipped Via: Hand Delivered

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

Date/time completed: 10/29/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 5 °C _____ / _____ °C (Describe) _____ / _____ °C

Thermometer ID: 7004

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

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

Reviewed by (Project Manager) UB1

Date/Time Reviewed 10/29/23

Origins Laboratory, Inc.

J. Bynon

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

N01@4'

6/29/2023 2:40:00PM

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

Origins Laboratory, Inc.
Y306823-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.01 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/29/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 107 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 106 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

N01@4'

6/29/2023 2:40:00PM

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

Origins Laboratory, Inc.
Y306823-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 112 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 99.5 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 105 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.36 | 0.0859 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 150 | 8.59 | " | " | " | CIH | " | " |
| Cadmium | 0.187 | 0.0859 | " | " | " | CIH | " | " |
| Copper | 16.4 | 8.59 | " | " | " | CIH | " | " |
| Nickel | 14.9 | 8.59 | " | " | " | CIH | " | " |
| Selenium | 0.203 | 0.0859 | " | " | " | CIH | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E01@4'

6/29/2023 2:42:00PM

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

Origins Laboratory, Inc.
Y306823-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.17 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/29/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 107 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 107 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E01@4'

6/29/2023 2:42:00PM

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

Origins Laboratory, Inc. Y306823-02 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 104 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 97.6 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 111 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.39 | 0.0853 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 188 | 8.53 | " | " | " | CIH | " | " |
| Cadmium | 0.195 | 0.0853 | " | " | " | CIH | " | " |
| Copper | 17.6 | 8.53 | " | " | " | CIH | " | " |
| Nickel | 16.7 | 8.53 | " | " | " | CIH | " | " |
| Selenium | 0.195 | 0.0853 | " | " | " | CIH | " | " |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E02@4'

6/29/2023 2:44:00PM

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

Origins Laboratory, Inc.
Y306823-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.67 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/29/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 108 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | 0.014 | 0.005 | " | " | " | agile | " | " | |
| Benzo (a) pyrene | 0.026 | 0.020 | " | " | " | agile | " | " | |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | 0.029 | 0.020 | " | " | " | agile | " | " | |
| Chrysene | 0.024 | 0.020 | " | " | " | agile | " | " | |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | 0.023 | 0.020 | " | " | " | agile | " | " | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E02@4'

6/29/2023 2:44:00PM

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

Origins Laboratory, Inc.
Y306823-03 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|-------|-------|-------|---|---------|-------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Indeno (1,2,3-cd) pyrene | 0.020 | 0.020 | " | " | " | agile | " | " | |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | | | |
|-----------------------------|--------|--------|--|--|---|---|---|
| Surrogate: Nitrobenzene-d5 | 112 % | 60-130 | | | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 95.4 % | 60-130 | | | " | " | " |
| Surrogate: Terphenyl-dl4 | 107 % | 60-130 | | | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.40 | 0.0967 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 110 | 9.67 | " | " | " | CIH | " | " |
| Cadmium | 0.184 | 0.0967 | " | " | " | CIH | " | " |
| Copper | 12.7 | 9.67 | " | " | " | CIH | " | " |
| Nickel | 12.5 | 9.67 | " | " | " | CIH | " | " |
| Selenium | 0.227 | 0.0967 | " | " | " | CIH | " | " |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

S01@4'

6/29/2023 2:50:00PM

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

Origins Laboratory, Inc. Y306823-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.599 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/29/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 113 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 106 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 107 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | 0.006 | 0.005 | " | " | " | agile | " | " | |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

S01@4'

6/29/2023 2:50:00PM

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

Origins Laboratory, Inc. Y306823-04 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|-------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 112 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 105 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 104 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.64 | 0.0933 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 112 | 9.33 | " | " | " | CIH | " | " |
| Cadmium | 0.143 | 0.0933 | " | " | " | CIH | " | " |
| Copper | 12.1 | 9.33 | " | " | " | CIH | " | " |
| Nickel | 12.4 | 9.33 | " | " | " | CIH | " | " |
| Selenium | 0.138 | 0.0933 | " | " | " | CIH | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

W01@4'

6/29/2023 2:52:00PM

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

Origins Laboratory, Inc.
Y306823-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 2.00 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/30/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 115 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 106 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 108 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | 0.010 | 0.005 | " | " | " | agile | " | " | |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

W01@4'

6/29/2023 2:52:00PM

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

Origins Laboratory, Inc. Y306823-05 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 104 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 103 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 96.1 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.98 | 0.0865 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 158 | 8.65 | " | " | " | CIH | " | " |
| Cadmium | 0.222 | 0.0865 | " | " | " | CIH | " | " |
| Copper | 14.7 | 8.65 | " | " | " | CIH | " | " |
| Nickel | 13.4 | 8.65 | " | " | " | CIH | " | " |
| Selenium | 0.201 | 0.0865 | " | " | " | CIH | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

W02@4'

6/29/2023 2:54:00PM

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

Origins Laboratory, Inc.
Y306823-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.931 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/30/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 114 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 105 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 108 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

W02@4'

6/29/2023 2:54:00PM

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

Origins Laboratory, Inc. Y306823-06 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 99.7 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 106 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 102 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.32 | 0.0989 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 163 | 9.89 | " | " | " | CIH | " | " |
| Cadmium | 0.202 | 0.0989 | " | " | " | CIH | " | " |
| Copper | 12.1 | 9.89 | " | " | " | CIH | " | " |
| Nickel | 12.0 | 9.89 | " | " | " | CIH | " | " |
| Selenium | 0.180 | 0.0989 | " | " | " | CIH | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

B01@6'

6/29/2023 3:00:00PM

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

Origins Laboratory, Inc.
Y306823-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.539 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/30/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 114 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 106 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 106 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

B01@6'

6/29/2023 3:00:00PM

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

Origins Laboratory, Inc. Y306823-07 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 104 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 99.3 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 108 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.98 | 0.0873 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 181 | 8.73 | " | " | " | CIH | " | " |
| Cadmium | 0.193 | 0.0873 | " | " | " | CIH | " | " |
| Copper | 12.7 | 8.73 | " | " | " | CIH | " | " |
| Nickel | 15.2 | 8.73 | " | " | " | CIH | " | " |
| Selenium | 0.161 | 0.0873 | " | " | " | CIH | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

B02@6'

6/29/2023 3:02:00PM

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

Origins Laboratory, Inc.
Y306823-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.166 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/30/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 107 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 107 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

B02@6'

6/29/2023 3:02:00PM

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

Origins Laboratory, Inc. Y306823-08 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|-------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 106 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 104 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 104 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 5.50 | 0.0998 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 133 | 9.98 | " | " | " | CIH | " | " |
| Cadmium | ND | 0.0998 | " | " | " | CIH | " | " |
| Copper | 16.6 | 9.98 | " | " | " | CIH | " | " |
| Nickel | 18.2 | 9.98 | " | " | " | CIH | " | " |
| Selenium | 0.147 | 0.0998 | " | " | " | CIH | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

B03@6'

6/29/2023 3:04:00PM

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

Origins Laboratory, Inc.
Y306823-09 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.195 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/30/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 114 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 107 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 107 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

B03@6'

6/29/2023 3:04:00PM

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

Origins Laboratory, Inc.
Y306823-09 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/03/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 106 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 103 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 97.3 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.44 | 0.0853 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 105 | 8.53 | " | " | " | CIH | " | " |
| Cadmium | ND | 0.0853 | " | " | " | CIH | " | " |
| Copper | 12.9 | 8.53 | " | " | " | CIH | " | " |
| Nickel | 14.3 | 8.53 | " | " | " | CIH | " | " |
| Selenium | 0.117 | 0.0853 | " | " | " | CIH | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

E03@4'

6/29/2023 3:08:00PM

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

Origins Laboratory, Inc.
Y306823-10 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.25 | 0.100 | mg/L | 1 | B3F3009 | CIH | 06/30/2023 | 07/03/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3F2937 | HK | 06/29/2023 | 06/30/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |

| | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 107 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 108 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/05/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E03@4'

6/29/2023 3:08:00PM

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

Origins Laboratory, Inc. Y306823-10 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluoranthene | ND | 0.020 | mg/kg | 1 | B3F2935 | agile | 06/29/2023 | 07/05/2023 | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: Nitrobenzene-d5 | 99.4 % | 60-130 | " | " | " |
| Surrogate: 2-Fluorobiphenyl | 95.6 % | 60-130 | " | " | " |
| Surrogate: Terphenyl-d14 | 94.4 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.14 | 0.0903 | mg/kg | 10 | B3F2940 | CIH | 06/29/2023 | 06/30/2023 |
| Barium | 135 | 9.03 | " | " | " | CIH | " | " |
| Cadmium | 0.216 | 0.0903 | " | " | " | CIH | " | " |
| Copper | 15.2 | 9.03 | " | " | " | CIH | " | " |
| Nickel | 14.0 | 9.03 | " | " | " | CIH | " | " |
| Selenium | 0.262 | 0.0903 | " | " | " | CIH | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

AST-GW01

6/29/2023 3:15:00PM

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

Origins Laboratory, Inc. Y306823-11 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 126 | 31.2 | mg/L | 125 | B3F3002 | ACC | 06/30/2023 | 07/03/2023 | |
| Sulfate | 700 | 31.2 | " | " | " | ACC | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3F2933 | HKS | 06/29/2023 | 06/29/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | HKS | " | " | U |
| Benzene | ND | 1.00 | " | " | " | HKS | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | HKS | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | HKS | " | " | U |
| Toluene | ND | 1.00 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | HKS | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

98.0 % 70-130

"

"

"

Surrogate: Toluene-d8

100 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

104 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-------|------------|------------|--|
| Total Dissolved Solids | 1490 | 5.00 | mg/L | 1 | B3F3016 | EMILI | 06/30/2023 | 06/30/2023 | |
|------------------------|------|------|------|---|---------|-------|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2933 - EPA 5030B (Water)

Blank (B3F2933-BLK1)

Prepared: 06/29/2023 Analyzed: 06/29/2023

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|--|-----|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | | | | | | | U |
| Benzene | ND | 1.00 | " | | | | | | | U |
| Ethylbenzene | ND | 1.00 | " | | | | | | | U |
| Naphthalene | ND | 2.00 | " | | | | | | | U |
| Toluene | ND | 1.00 | " | | | | | | | U |
| Xylenes, total | ND | 1.00 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 65 | | " | 62.5 | | 104 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 102 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2933 - EPA 5030B (Water)

LCS (B3F2933-BS1)

Prepared: 06/29/2023 Analyzed: 06/29/2023

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 50.3 | 2.00 | ug/L | 50.0 | | 101 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 50.7 | 2.00 | " | 50.0 | | 101 | 70-130 | | | |
| Benzene | 46.2 | 1.00 | " | 50.0 | | 92.3 | 70-130 | | | |
| Ethylbenzene | 53.9 | 1.00 | " | 50.0 | | 108 | 70-130 | | | |
| m,p-Xylene | 106 | 2.00 | " | 100 | | 106 | 70-130 | | | |
| Naphthalene | 48.0 | 2.00 | " | 50.0 | | 96.0 | 70-130 | | | |
| o-Xylene | 52.8 | 1.00 | " | 50.0 | | 106 | 70-130 | | | |
| Toluene | 48.2 | 1.00 | " | 50.0 | | 96.3 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 59 | | " | 62.5 | | 95.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 68 | | " | 62.5 | | 108 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2933 - EPA 5030B (Water)

| Matrix Spike (B3F2933-MS1) | | Source: Y306797-01 | | | Prepared: 06/29/2023 Analyzed: 06/29/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 50.6 | 2.00 | ug/L | 50.0 | ND | 101 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 51.5 | 2.00 | " | 50.0 | ND | 103 | 70-130 | | | |
| Benzene | 48.4 | 1.00 | " | 50.0 | ND | 96.8 | 70-130 | | | |
| Ethylbenzene | 53.4 | 1.00 | " | 50.0 | ND | 107 | 70-130 | | | |
| m,p-Xylene | 105 | 2.00 | " | 100 | ND | 105 | 70-130 | | | |
| Naphthalene | 51.0 | 2.00 | " | 50.0 | ND | 102 | 70-130 | | | |
| o-Xylene | 53.3 | 1.00 | " | 50.0 | ND | 107 | 70-130 | | | |
| Toluene | 50.9 | 1.00 | " | 50.0 | ND | 102 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 58 | | " | 62.5 | | 92.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 66 | | " | 62.5 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 65 | | " | 62.5 | | 104 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2933 - EPA 5030B (Water)

| Matrix Spike Dup (B3F2933-MSD1) | | Source: Y306797-01 | | | Prepared: 06/29/2023 Analyzed: 06/29/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene | 50.3 | 2.00 | ug/L | 50.0 | ND | 101 | 70-130 | 0.594 | 20 | |
| 1,3,5-Trimethylbenzene | 49.8 | 2.00 | " | 50.0 | ND | 99.5 | 70-130 | 3.46 | 20 | |
| Benzene | 49.2 | 1.00 | " | 50.0 | ND | 98.3 | 70-130 | 1.54 | 20 | |
| Ethylbenzene | 51.9 | 1.00 | " | 50.0 | ND | 104 | 70-130 | 2.94 | 20 | |
| m,p-Xylene | 102 | 2.00 | " | 100 | ND | 102 | 70-130 | 2.60 | 20 | |
| Naphthalene | 53.6 | 2.00 | " | 50.0 | ND | 107 | 70-130 | 4.89 | 20 | |
| o-Xylene | 50.8 | 1.00 | " | 50.0 | ND | 102 | 70-130 | 4.80 | 20 | |
| Toluene | 48.2 | 1.00 | " | 50.0 | ND | 96.5 | 70-130 | 5.31 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 61 | | " | 62.5 | | 97.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 60 | | " | 62.5 | | 96.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 66 | | " | 62.5 | | 106 | 70-130 | | | |

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2937 - EPA 5030 (soil)

Blank (B3F2937-BLK1)

Prepared: 06/29/2023 Analyzed: 06/29/2023

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|--|-----|--------|--|--|---|
| 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 | | 100 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.14 | | " | 0.125 | | 110 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3F2937 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B3F2937-BS1) | | | | | Prepared: 06/29/2023 Analyzed: 06/29/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.109 | 0.00200 | mg/kg | 0.100 | | 109 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.112 | 0.00200 | " | 0.100 | | 112 | 70-130 | | | |
| Benzene | 0.0915 | 0.00200 | " | 0.100 | | 91.5 | 70-130 | | | |
| Ethylbenzene | 0.111 | 0.00200 | " | 0.100 | | 111 | 70-130 | | | |
| Naphthalene | 0.109 | 0.00380 | " | 0.100 | | 109 | 70-130 | | | |
| Toluene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| o-Xylene | 0.116 | 0.00200 | " | 0.100 | | 116 | 70-130 | | | |
| m,p-Xylene | 0.218 | 0.00400 | " | 0.200 | | 109 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 97.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.14 | | " | 0.125 | | 109 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 107 | 70-130 | | | |

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2937 - EPA 5030 (soil)

| Matrix Spike (B3F2937-MS1) | | Source: Y306823-01 | | | Prepared: 06/29/2023 Analyzed: 06/29/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.101 | 0.00200 | mg/kg | 0.100 | ND | 101 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.103 | 0.00200 | " | 0.100 | ND | 103 | 70-130 | | | |
| Benzene | 0.0877 | 0.00200 | " | 0.100 | ND | 87.7 | 70-130 | | | |
| Ethylbenzene | 0.103 | 0.00200 | " | 0.100 | ND | 103 | 70-130 | | | |
| Naphthalene | 0.100 | 0.00380 | " | 0.100 | ND | 100 | 70-130 | | | |
| Toluene | 0.0941 | 0.00200 | " | 0.100 | ND | 94.1 | 70-130 | | | |
| o-Xylene | 0.107 | 0.00200 | " | 0.100 | ND | 107 | 70-130 | | | |
| m,p-Xylene | 0.202 | 0.00400 | " | 0.200 | ND | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 106 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 106 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.14 | | " | 0.125 | | 108 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2937 - EPA 5030 (soil)

| Matrix Spike Dup (B3F2937-MSD1) | | Source: Y306823-01 | | | Prepared: 06/29/2023 Analyzed: 06/29/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0899 | 0.00200 | mg/kg | 0.100 | ND | 89.9 | 70-130 | 11.6 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0921 | 0.00200 | " | 0.100 | ND | 92.1 | 70-130 | 11.1 | 20 | |
| Benzene | 0.0804 | 0.00200 | " | 0.100 | ND | 80.4 | 70-130 | 8.66 | 20 | |
| Ethylbenzene | 0.0932 | 0.00200 | " | 0.100 | ND | 93.2 | 70-130 | 9.74 | 20 | |
| Naphthalene | 0.0883 | 0.00380 | " | 0.100 | ND | 88.3 | 70-130 | 12.6 | 20 | |
| Toluene | 0.0863 | 0.00200 | " | 0.100 | ND | 86.3 | 70-130 | 8.69 | 20 | |
| o-Xylene | 0.0973 | 0.00200 | " | 0.100 | ND | 97.3 | 70-130 | 9.63 | 20 | |
| m,p-Xylene | 0.183 | 0.00400 | " | 0.200 | ND | 91.3 | 70-130 | 9.91 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14 | | " | 0.125 | | 110 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 107 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.14 | | " | 0.125 | | 109 | 70-130 | | | |

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Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2940 - EPA 3050B

Blank (B3F2940-BLK1)

Prepared: 06/29/2023 Analyzed: 06/30/2023

| | | | |
|----------|----|----------|-------|
| 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 (B3F2940-BS1)

Prepared: 06/29/2023 Analyzed: 06/30/2023

| | | | | | | |
|----------|--------|----------|-------|--------|-----|--------|
| Arsenic | 0.0529 | 0.000100 | mg/kg | 0.0500 | 106 | 80-120 |
| Barium | 5.10 | 0.0100 | " | 5.00 | 102 | 80-120 |
| Cadmium | 0.0541 | 0.000100 | " | 0.0500 | 108 | 80-120 |
| Copper | 0.559 | 0.0100 | " | 0.500 | 112 | 80-120 |
| Lead | 0.0518 | 0.0100 | " | 0.0500 | 104 | 80-120 |
| Nickel | 0.0551 | 0.0100 | " | 0.0500 | 110 | 80-120 |
| Selenium | 0.0500 | 0.000100 | " | 0.0500 | 100 | 80-120 |
| Silver | 0.0519 | 0.000100 | " | 0.0500 | 104 | 80-120 |
| Zinc | 0.533 | 0.100 | " | 0.500 | 107 | 80-120 |

Matrix Spike (B3F2940-MS1)

Source: Y306823-01

Prepared: 06/29/2023 Analyzed: 06/30/2023

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3F2940 - EPA 3050B

| Matrix Spike (B3F2940-MS1) | | Source: Y306823-01 | | | Prepared: 06/29/2023 Analyzed: 06/30/2023 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|-------|----|--|
| Arsenic | 9.57 | 0.0961 | mg/kg | 4.80 | 4.36 | 108 | 75-125 | | | |
| Barium | 628 | 9.61 | " | 480 | 150 | 99.5 | 75-125 | | | |
| Cadmium | 5.31 | 0.0961 | " | 4.80 | 0.187 | 107 | 75-125 | | | |
| Copper | 65.0 | 9.61 | " | 48.0 | 16.4 | 101 | 75-125 | | | |
| Lead | 15.5 | 9.61 | " | 4.80 | 10.3 | 108 | 75-125 | | | |
| Nickel | 20.1 | 9.61 | " | 4.80 | 14.9 | 107 | 75-125 | | | |
| Selenium | 4.62 | 0.0961 | " | 4.80 | 0.203 | 92.0 | 75-125 | | | |
| Silver | 4.93 | 0.0961 | " | 4.80 | 0.0627 | 101 | 75-125 | | | |
| Zinc | 102 | 96.1 | " | 48.0 | 55.5 | 96.7 | 75-125 | | | |
| Matrix Spike Dup (B3F2940-MSD1) | | Source: Y306823-01 | | | Prepared: 06/29/2023 Analyzed: 06/30/2023 | | | | | |
| Arsenic | 9.40 | 0.0935 | mg/kg | 4.67 | 4.36 | 108 | 75-125 | 1.76 | 20 | |
| Barium | 625 | 9.35 | " | 467 | 150 | 102 | 75-125 | 0.506 | 20 | |
| Cadmium | 5.04 | 0.0935 | " | 4.67 | 0.187 | 104 | 75-125 | 5.31 | 20 | |
| Copper | 62.7 | 9.35 | " | 46.7 | 16.4 | 99.1 | 75-125 | 3.52 | 20 | |
| Lead | 15.2 | 9.35 | " | 4.67 | 10.3 | 105 | 75-125 | 1.84 | 20 | |
| Nickel | 20.1 | 9.35 | " | 4.67 | 14.9 | 110 | 75-125 | 0.157 | 20 | |
| Selenium | 4.34 | 0.0935 | " | 4.67 | 0.203 | 88.6 | 75-125 | 6.16 | 20 | |
| Silver | 4.73 | 0.0935 | " | 4.67 | 0.0627 | 99.8 | 75-125 | 4.06 | 20 | |
| Zinc | 100 | 93.5 | " | 46.7 | 55.5 | 95.9 | 75-125 | 1.60 | 20 | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3F2935 - EPA 3580

Blank (B3F2935-BLK1)

Prepared: 06/29/2023 Analyzed: 07/03/2023

| | | | | | | | | | | |
|--------------------------|----|-------|-------|--|--|--|--|--|--|---|
| 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: Nitrobenzene-d5 | 230 | | ug/kg | 200 | 115 | 60-130 |
| Surrogate: 2-Fluorobiphenyl | 200 | | " | 200 | 100 | 60-130 |
| Surrogate: Terphenyl-d14 | 200 | | " | 200 | 98.9 | 60-130 |

LCS (B3F2935-BS1)

Prepared: 06/29/2023 Analyzed: 07/03/2023

| | | | | | | |
|----------------------|-------|-------|-------|-------|------|--------|
| 1-Methylnaphthalene | 0.208 | 0.002 | mg/kg | 0.200 | 104 | 70-130 |
| 2-Methylnaphthalene | 0.218 | 0.002 | " | 0.200 | 109 | 70-130 |
| Acenaphthene | 0.212 | 0.020 | " | 0.200 | 106 | 70-130 |
| Anthracene | 0.216 | 0.020 | " | 0.200 | 108 | 70-130 |
| Benzo (a) anthracene | 0.187 | 0.005 | " | 0.200 | 93.3 | 70-130 |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3F2935 - EPA 3580

LCS (B3F2935-BS1)

Prepared: 06/29/2023 Analyzed: 07/03/2023

| | | | | | | | |
|-----------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (a) pyrene | 0.190 | 0.020 | mg/kg | 0.200 | | 95.2 | 70-130 |
| Benzo (b) fluoranthene | 0.170 | 0.020 | " | 0.200 | | 85.1 | 70-130 |
| Benzo (g,h,i) perylene | 0.206 | 0.020 | " | 0.200 | | 103 | 70-130 |
| Benzo (k) fluoranthene | 0.196 | 0.020 | " | 0.200 | | 98.1 | 70-130 |
| Chrysene | 0.217 | 0.020 | " | 0.200 | | 109 | 70-130 |
| Dibenz (a,h) anthracene | 0.195 | 0.020 | " | 0.200 | | 97.3 | 70-130 |
| Fluoranthene | 0.233 | 0.020 | " | 0.200 | | 116 | 70-130 |
| Fluorene | 0.206 | 0.020 | " | 0.200 | | 103 | 70-130 |
| Indeno (1,2,3-cd) pyrene | 0.204 | 0.020 | " | 0.200 | | 102 | 70-130 |
| Naphthalene | 0.202 | 0.002 | " | 0.200 | | 101 | 70-130 |
| Phenanthrene | 0.207 | 0.020 | " | 0.200 | | 104 | 70-130 |
| Pyrene | 0.217 | 0.020 | " | 0.200 | | 108 | 70-130 |
| Surrogate: Nitrobenzene-d5 | 230 | | ug/kg | 200 | | 115 | 60-130 |
| Surrogate: 2-Fluorobiphenyl | 200 | | " | 200 | | 99.0 | 60-130 |
| Surrogate: Terphenyl-dl4 | 200 | | " | 200 | | 99.8 | 60-130 |

Matrix Spike (B3F2935-MS1)

Source: Y306823-08

Prepared: 06/29/2023 Analyzed: 07/03/2023

| | | | | | | | |
|------------------------|-------|-------|-------|-------|-------|------|--------|
| 1-Methylnaphthalene | 0.219 | 0.002 | mg/kg | 0.200 | ND | 109 | 70-130 |
| 2-Methylnaphthalene | 0.221 | 0.002 | " | 0.200 | ND | 110 | 70-130 |
| Acenaphthene | 0.221 | 0.020 | " | 0.200 | ND | 110 | 70-130 |
| Anthracene | 0.223 | 0.020 | " | 0.200 | ND | 112 | 70-130 |
| Benzo (a) anthracene | 0.192 | 0.005 | " | 0.200 | ND | 95.9 | 70-130 |
| Benzo (a) pyrene | 0.202 | 0.020 | " | 0.200 | 0.004 | 99.0 | 70-130 |
| Benzo (b) fluoranthene | 0.217 | 0.020 | " | 0.200 | 0.004 | 107 | 70-130 |
| Benzo (g,h,i) perylene | 0.228 | 0.020 | " | 0.200 | ND | 114 | 70-130 |
| Benzo (k) fluoranthene | 0.228 | 0.020 | " | 0.200 | ND | 114 | 70-130 |
| Chrysene | 0.218 | 0.020 | " | 0.200 | ND | 109 | 70-130 |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3F2935 - EPA 3580

| Matrix Spike (B3F2935-MS1) | | Source: Y306823-08 | | | Prepared: 06/29/2023 Analyzed: 07/03/2023 | | | | | |
|-----------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Dibenz (a,h) anthracene | 0.211 | 0.020 | mg/kg | 0.200 | ND | 106 | 70-130 | | | |
| Fluoranthene | 0.228 | 0.020 | " | 0.200 | ND | 114 | 70-130 | | | |
| Fluorene | 0.203 | 0.020 | " | 0.200 | ND | 101 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.224 | 0.020 | " | 0.200 | ND | 112 | 70-130 | | | |
| Naphthalene | 0.204 | 0.002 | " | 0.200 | ND | 102 | 70-130 | | | |
| Phenanthrene | 0.213 | 0.020 | " | 0.200 | ND | 107 | 70-130 | | | |
| Pyrene | 0.203 | 0.020 | " | 0.200 | ND | 101 | 70-130 | | | |
| Surrogate: Nitrobenzene-d5 | 230 | | ug/kg | 200 | | 113 | 60-130 | | | |
| Surrogate: 2-Fluorobiphenyl | 200 | | " | 200 | | 102 | 60-130 | | | |
| Surrogate: Terphenyl-dl4 | 190 | | " | 200 | | 93.0 | 60-130 | | | |

| Matrix Spike Dup (B3F2935-MSD1) | | Source: Y306823-08 | | | Prepared: 06/29/2023 Analyzed: 07/03/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|-------|
| 1-Methylnaphthalene | 0.207 | 0.002 | mg/kg | 0.200 | ND | 103 | 70-130 | 5.55 | 20 | |
| 2-Methylnaphthalene | 0.207 | 0.002 | " | 0.200 | ND | 103 | 70-130 | 6.67 | 20 | |
| Acenaphthene | 0.210 | 0.020 | " | 0.200 | ND | 105 | 70-130 | 4.79 | 20 | |
| Anthracene | 0.216 | 0.020 | " | 0.200 | ND | 108 | 70-130 | 3.27 | 20 | |
| Benzo (a) anthracene | 0.191 | 0.005 | " | 0.200 | ND | 95.6 | 70-130 | 0.365 | 20 | |
| Benzo (a) pyrene | 0.190 | 0.020 | " | 0.200 | 0.004 | 93.0 | 70-130 | 6.08 | 20 | |
| Benzo (b) fluoranthene | 0.188 | 0.020 | " | 0.200 | 0.004 | 91.9 | 70-130 | 14.6 | 20 | |
| Benzo (g,h,i) perylene | 0.184 | 0.020 | " | 0.200 | ND | 91.9 | 70-130 | 21.6 | 20 | QR-02 |
| Benzo (k) fluoranthene | 0.197 | 0.020 | " | 0.200 | ND | 98.5 | 70-130 | 14.7 | 20 | |
| Chrysene | 0.228 | 0.020 | " | 0.200 | ND | 114 | 70-130 | 4.56 | 20 | |
| Dibenz (a,h) anthracene | 0.188 | 0.020 | " | 0.200 | ND | 94.0 | 70-130 | 11.7 | 20 | |
| Fluoranthene | 0.244 | 0.020 | " | 0.200 | ND | 122 | 70-130 | 6.73 | 20 | |
| Fluorene | 0.219 | 0.020 | " | 0.200 | ND | 110 | 70-130 | 7.86 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.195 | 0.020 | " | 0.200 | ND | 97.5 | 70-130 | 13.8 | 20 | |
| Naphthalene | 0.197 | 0.002 | " | 0.200 | ND | 98.6 | 70-130 | 3.38 | 20 | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3F2935 - EPA 3580

| Matrix Spike Dup (B3F2935-MSD1) | | Source: Y306823-08 | | | Prepared: 06/29/2023 Analyzed: 07/03/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|-----|--------|------|----|--|
| Phenanthrene | 0.211 | 0.020 | mg/kg | 0.200 | ND | 105 | 70-130 | 1.33 | 20 | |
| Pyrene | 0.220 | 0.020 | " | 0.200 | ND | 110 | 70-130 | 8.01 | 20 | |
| Surrogate: Nitrobenzene-d5 | 220 | | ug/kg | 200 | | 110 | 60-130 | | | |
| Surrogate: 2-Fluorobiphenyl | 210 | | " | 200 | | 104 | 60-130 | | | |
| Surrogate: Terphenyl-d14 | 220 | | " | 200 | | 111 | 60-130 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3F3002 - Filter .45um non acidified | | | | | | | | | | |
| Blank (B3F3002-BLK1) | | | | | Prepared: 06/30/2023 Analyzed: 06/30/2023 | | | | | |
| Chloride | ND | 0.250 | mg/L | | | | | | | |
| Sulfate | ND | 0.250 | " | | | | | | | |
| LCS (B3F3002-BS1) | | | | | Prepared: 06/30/2023 Analyzed: 06/30/2023 | | | | | |
| Chloride | 4.13 | 0.250 | mg/L | 4.00 | | 103 | 90-110 | | | |
| Sulfate | 4.03 | 0.250 | " | 4.00 | | 101 | 90-110 | | | |
| Matrix Spike (B3F3002-MS1) | | Source: Y306806-02 | | | Prepared: 06/30/2023 Analyzed: 06/30/2023 | | | | | |
| Chloride | 812 | | mg/L | 500 | 265 | 109 | 90-110 | | | |
| Sulfate | 830 | | " | 500 | 300 | 106 | 90-110 | | | |
| Matrix Spike Dup (B3F3002-MSD1) | | Source: Y306806-02 | | | Prepared: 06/30/2023 Analyzed: 06/30/2023 | | | | | |
| Chloride | 821 | | mg/L | 500 | 265 | 111 | 90-110 | 1.15 | 5 | QM-07 |
| Sulfate | 839 | | " | 500 | 300 | 108 | 90-110 | 1.07 | 5 | |
| Batch B3F3009 - DTPA Sorbitol Preparation | | | | | | | | | | |
| Blank (B3F3009-BLK1) | | | | | Prepared: 06/30/2023 Analyzed: 07/03/2023 | | | | | |
| Boron | ND | 0.100 | mg/L | | | | | | | |
| Duplicate (B3F3009-DUP1) | | Source: Y306820-09 | | | Prepared: 06/30/2023 Analyzed: 07/03/2023 | | | | | |
| Boron | 2.49 | 0.100 | mg/L | | 2.44 | | | 2.08 | 50 | |
| Batch B3F3016 - NO PREP | | | | | | | | | | |
| Blank (B3F3016-BLK1) | | | | | Prepared: 06/30/2023 Analyzed: 06/30/2023 | | | | | |
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3F3016 - NO PREP | | | | | | | | | | |
| LCS (B3F3016-BS1) | | | | | Prepared: 06/30/2023 Analyzed: 06/30/2023 | | | | | |
| Total Dissolved Solids | 960 | 5.00 | mg/L | 1000 | | 96.0 | 90-110 | | | |
| Duplicate (B3F3016-DUP1) | | | | | Source: Y306823-11 Prepared: 06/30/2023 Analyzed: 06/30/2023 | | | | | |
| Total Dissolved Solids | 1470 | 5.00 | mg/L | | 1490 | | | 1.35 | 10 | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Notes and Definitions

U Sample is Non-Detect.

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

July 31, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Junction 11,12,22-2 O SA Facility **Project Number - 09A1417263**

Attached are your analytical results for KMG - Junction 11,12,22-2 O SA Facility received by Origins Laboratory, Inc. July 24, 2023. This project is associated with Origins project number Y307492-01.

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|---------------------|------------------|
| B04@8' | Y307492-01 | Soil | July 24, 2023 8:00 | 07/24/2023 15:13 |
| B05@8' | Y307492-02 | Soil | July 24, 2023 8:05 | 07/24/2023 15:13 |
| E04@6' | Y307492-03 | Soil | July 24, 2023 8:10 | 07/24/2023 15:13 |
| AST03-GW01 | Y307492-04 | Water | July 24, 2023 10:00 | 07/24/2023 15:13 |
| SEP02-N01@2' | Y307492-05 | Soil | July 24, 2023 8:30 | 07/24/2023 15:13 |
| SEP02-E01@2' | Y307492-06 | Soil | July 24, 2023 8:35 | 07/24/2023 15:13 |
| SEP02-S01@2' | Y307492-07 | Soil | July 24, 2023 8:39 | 07/24/2023 15:13 |
| SEP02-W01@2' | Y307492-08 | Soil | July 24, 2023 8:42 | 07/24/2023 15:13 |
| SEP02-B01@4' | Y307492-09 | Soil | July 24, 2023 8:45 | 07/24/2023 15:13 |
| FL01-GW01 | Y307492-10 | Water | July 24, 2023 9:45 | 07/24/2023 15:13 |
| FL01-N01@4' | Y307492-11 | Soil | July 24, 2023 9:00 | 07/24/2023 15:13 |
| FL01-N02@4' | Y307492-12 | Soil | July 24, 2023 9:05 | 07/24/2023 15:13 |
| FL01-E01@4' | Y307492-13 | Soil | July 24, 2023 9:10 | 07/24/2023 15:13 |
| FL01-S01@4' | Y307492-14 | Soil | July 24, 2023 9:15 | 07/24/2023 15:13 |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|--------------------|------------------|
| FL01-S02@4' | Y307492-15 | Soil | July 24, 2023 9:20 | 07/24/2023 15:13 |
| FL01-W01@4' | Y307492-16 | Soil | July 24, 2023 9:25 | 07/24/2023 15:13 |
| FL01-B01@6' | Y307492-17 | Soil | July 24, 2023 9:30 | 07/24/2023 15:13 |
| FL01-B02@6' | Y307492-18 | Soil | July 24, 2023 9:35 | 07/24/2023 15:13 |

Origins Laboratory, Inc.



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

Jordan A. Bynon For Jen Pellegrini, Project Manager

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

ORIGINS

LABORATORY, INC

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IMPACTED

LABORATORY, INC

page 2 of 2

307442

Client: Ensolum
 Project Manager: J Espinoza
 Address: Junction 11, 12, 22-2 O SA Facility
 Project Number: 09A1417263
 Telephone Number: _____
 Email Address: KMG Team
 Samples Collected By: HK

Fax: 303.265.9645

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | Matrix | Analysis | Sample Instructions |
|-------------------------------------|---------------|--------------|---------------------------------|---------------|-------------|--|---------------------|
| FL01-NO104 | 7/24/29 | 0900 | 3 | X | Soil | Asbestos Barium Boron Cadmium Copper Lead Manganese Mercury Nickel Selenium Silver Vanadium Zinc | 1 |
| FL01-NO204 | | 0905 | | | | | 2 |
| FL01-NO304 | | 0910 | | | | | 3 |
| FL01-NO404 | | 0915 | | | | | 4 |
| FL01-NO504 | | 0920 | | | | | 5 |
| FL01-NO604 | | 0925 | | | | | 6 |
| FL01-NO704 | | 0930 | | | | | 7 |
| FL01-NO804 | | 0935 | | | | | 8 |
| | | | | | | | 9 |
| | | | | | | | 10 |
| Relinquished By: <i>[Signature]</i> | Date: 7/24/29 | Time: 1513 | Received By: <i>[Signature]</i> | Date: 7/24/29 | Time: 1513 | 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 Date Results Needed

Origins Laboratory, Inc.

[Signature]

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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Origins Laboratory

Origins Work Order: 4307492

Checklist Completed by: JWH/ELS

Date/time completed: 7/24/23

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

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

Thermometer ID: 7004

Sample Receipt Checklist

Client: Ensolum

Client Project ID: Junction 11,12,22-2 OSA

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

Airbill #: N/A

| 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): <u>Container was not fully closed</u> | | | | |

⁽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): JWH

Date/Time Reviewed: 7/24/23

Origins Laboratory, Inc.

J. Bynon

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

B04@8'

7/24/2023 8:00:00AM

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

Origins Laboratory, Inc.
Y307492-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.413 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 107 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 92.8 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 85.8 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

B04@8'

7/24/2023 8:00:00AM

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

Origins Laboratory, Inc.
Y307492-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | | | |
|---------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: Fluorene-d10 | 101 % | 60-130 | | | " | " | " |
| Surrogate: Anthracene-d10 | 98.0 % | 60-130 | | | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 100 % | 60-130 | | | " | " | " |
| Surrogate: Pyrene-d10 | 107 % | 60-130 | | | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|--------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 2.06 | 0.0959 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 61.7 | 9.59 | " | " | " | EDM | " | " |
| Cadmium | 0.0959 | 0.0959 | " | " | " | EDM | " | " |
| Copper | ND | 9.59 | " | " | " | EDM | " | " |
| Nickel | ND | 9.59 | " | " | " | EDM | " | " |
| Selenium | 0.115 | 0.0959 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

B05@8'

7/24/2023 8:05:00AM

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

Origins Laboratory, Inc.
Y307492-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.162 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 93.8 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 87.8 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

B05@8'

7/24/2023 8:05:00AM

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

Origins Laboratory, Inc.
Y307492-02 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | | | |
|---------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: Fluorene-d10 | 101 % | 60-130 | | | " | " | " |
| Surrogate: Anthracene-d10 | 97.9 % | 60-130 | | | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | | | " | " | " |
| Surrogate: Pyrene-d10 | 115 % | 60-130 | | | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 1.44 | 0.0885 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 37.9 | 8.85 | " | " | " | EDM | " | " |
| Cadmium | ND | 0.0885 | " | " | " | EDM | " | " |
| Copper | ND | 8.85 | " | " | " | EDM | " | " |
| Nickel | ND | 8.85 | " | " | " | EDM | " | " |
| Selenium | ND | 0.0885 | " | " | " | EDM | " | " |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E04@6'

7/24/2023 8:10:00AM

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

Origins Laboratory, Inc.
Y307492-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 2.11 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 101 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 94.3 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 87.7 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|-------|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | 0.013 | 0.002 | " | " | " | agile | " | " | |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | agile | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E04@6'

7/24/2023 8:10:00AM

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

Origins Laboratory, Inc.
Y307492-03 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | | | |
|---------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: Fluorene-d10 | 101 % | 60-130 | | | " | " | " |
| Surrogate: Anthracene-d10 | 97.3 % | 60-130 | | | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | 60-130 | | | " | " | " |
| Surrogate: Pyrene-d10 | 105 % | 60-130 | | | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.25 | 0.0884 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 161 | 8.84 | " | " | " | EDM | " | " |
| Cadmium | 0.235 | 0.0884 | " | " | " | EDM | " | " |
| Copper | 13.7 | 8.84 | " | " | " | EDM | " | " |
| Nickel | 12.4 | 8.84 | " | " | " | EDM | " | " |
| Selenium | 0.199 | 0.0884 | " | " | " | EDM | " | " |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

AST03-GW01

7/24/2023 10:00:00AM

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

Origins Laboratory, Inc.

Y307492-04 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 114 | 31.2 | mg/L | 125 | B3G2403 | ACC | 07/24/2023 | 07/25/2023 | |
| Sulfate | 574 | 31.2 | " | " | " | ACC | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3G2435 | JSM | 07/24/2023 | 07/24/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

98.0 % 70-130

"

"

"

Surrogate: Toluene-d8

99.7 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

103 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|----|------------|------------|--|
| Total Dissolved Solids | 1430 | 5.00 | mg/L | 1 | B3G2513 | EC | 07/25/2023 | 07/28/2023 | |
|------------------------|------|------|------|---|---------|----|------------|------------|--|

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-N01@2'
7/24/2023 8:30:00AM

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

Origins Laboratory, Inc.
Y307492-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 2.21 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 106 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 93.0 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 88.2 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|-------|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | 0.002 | 0.002 | " | " | " | agile | " | " | |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-N01@2'
7/24/2023 8:30:00AM

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

Origins Laboratory, Inc.
Y307492-05 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 101 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.2 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 104 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 117 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.10 | 0.0978 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 153 | 9.78 | " | " | " | EDM | " | " |
| Cadmium | 0.258 | 0.0978 | " | " | " | EDM | " | " |
| Copper | 14.8 | 9.78 | " | " | " | EDM | " | " |
| Lead | 13.0 | 9.78 | " | " | " | EDM | " | " |
| Nickel | 13.1 | 9.78 | " | " | " | EDM | " | " |
| Selenium | 0.171 | 0.0978 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-E01@2'
7/24/2023 8:35:00AM

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

Origins Laboratory, Inc.
Y307492-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.00 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 97.6 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 84.9 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-E01@2'
7/24/2023 8:35:00AM

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

Origins Laboratory, Inc.
Y307492-06 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 99.5 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 96.0 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 129 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.44 | 0.0899 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 155 | 8.99 | " | " | " | EDM | " | " |
| Cadmium | 0.126 | 0.0899 | " | " | " | EDM | " | " |
| Copper | 13.0 | 8.99 | " | " | " | EDM | " | " |
| Lead | 9.15 | 8.99 | " | " | " | EDM | " | " |
| Nickel | 12.0 | 8.99 | " | " | " | EDM | " | " |
| Selenium | 0.246 | 0.0899 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-S01@2'
7/24/2023 8:39:00AM

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

Origins Laboratory, Inc.
Y307492-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 2.80 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 106 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 95.8 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 87.3 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-S01@2'

7/24/2023 8:39:00AM

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

Origins Laboratory, Inc.
Y307492-07 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 98.2 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 104 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 119 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.35 | 0.0907 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 168 | 9.07 | " | " | " | EDM | " | " |
| Cadmium | 0.299 | 0.0907 | " | " | " | EDM | " | " |
| Copper | 17.3 | 9.07 | " | " | " | EDM | " | " |
| Lead | 15.6 | 9.07 | " | " | " | EDM | " | " |
| Nickel | 14.6 | 9.07 | " | " | " | EDM | " | " |
| Selenium | 0.292 | 0.0907 | " | " | " | EDM | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-W01@2'
7/24/2023 8:42:00AM

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

Origins Laboratory, Inc.
Y307492-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.18 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 94.1 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 87.8 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-W01@2'

7/24/2023 8:42:00AM

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

Origins Laboratory, Inc.
Y307492-08 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 101 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.0 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 102 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 110 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.09 | 0.0918 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 150 | 9.18 | " | " | " | EDM | " | " |
| Cadmium | 0.218 | 0.0918 | " | " | " | EDM | " | " |
| Copper | 13.9 | 9.18 | " | " | " | EDM | " | " |
| Lead | 12.7 | 9.18 | " | " | " | EDM | " | " |
| Nickel | 11.8 | 9.18 | " | " | " | EDM | " | " |
| Selenium | 0.155 | 0.0918 | " | " | " | EDM | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-B01@4'
7/24/2023 8:45:00AM

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

Origins Laboratory, Inc.
Y307492-09 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.925 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 94.4 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 87.1 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | agile | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-B01@4'
7/24/2023 8:45:00AM

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

Origins Laboratory, Inc.
Y307492-09 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3G2425 | agile | 07/24/2023 | 07/25/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | agile | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | agile | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | agile | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | agile | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | agile | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 102 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.2 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 106 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.91 | 0.0945 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 201 | 9.45 | " | " | " | EDM | " | " |
| Cadmium | 0.247 | 0.0945 | " | " | " | EDM | " | " |
| Copper | 16.4 | 9.45 | " | " | " | EDM | " | " |
| Lead | 11.7 | 9.45 | " | " | " | EDM | " | " |
| Nickel | 14.8 | 9.45 | " | " | " | EDM | " | " |
| Selenium | 0.208 | 0.0945 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-GW01

7/24/2023 9:45:00AM

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

Origins Laboratory, Inc. Y307492-10 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 160 | 31.2 | mg/L | 125 | B3G2403 | ACC | 07/24/2023 | 07/25/2023 | |
| Sulfate | 777 | 31.2 | " | " | " | ACC | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | 3.87 | 2.00 | ug/L | 1 | B3G2435 | JSM | 07/24/2023 | 07/24/2023 | |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 97.9 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 100 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 105 % | 70-130 | | | " | " | " | |

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|----|------------|------------|--|
| Total Dissolved Solids | 1590 | 5.00 | mg/L | 1 | B3G2603 | EC | 07/26/2023 | 07/26/2023 | |
|------------------------|------|------|------|---|---------|----|------------|------------|--|

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-N01@4'
7/24/2023 9:00:00AM

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

Origins Laboratory, Inc.
Y307492-11 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.792 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/24/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 80.6 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
| Benzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HKS | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 113 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 92.4 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 89.1 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|---------|-------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 0.589 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
|---------|-------|-------|-------|----|--------|-----|------------|------------|--|

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-N01@4'

7/24/2023 9:00:00AM

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

Origins Laboratory, Inc.

Y307492-11 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|
| Magnesium | 0.965 | 0.823 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
| Sodium | 15.0 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 17.0 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 2.89 | 0.0972 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 71.0 | 9.72 | " | " | " | EDM | " | " |
| Cadmium | ND | 0.0972 | " | " | " | EDM | " | " |
| Copper | ND | 9.72 | " | " | " | EDM | " | " |
| Lead | ND | 9.72 | " | " | " | EDM | " | " |
| Nickel | ND | 9.72 | " | " | " | EDM | " | " |
| Selenium | 0.110 | 0.0972 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-N02@4'
7/24/2023 9:05:00AM

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

Origins Laboratory, Inc.
Y307492-12 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.308 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/24/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 80.1 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|---------|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | 0.0177 | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | |
| Benzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Ethylbenzene | 0.00762 | 0.00200 | " | " | " | HKS | " | " | |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | 0.0170 | 0.00200 | " | " | " | HKS | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HKS | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|------|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 133 % | 70-130 | | | " | " | " | S-GC |
| Surrogate: 4-Bromofluorobenzene | 95.0 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|---------|-------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 0.555 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
|---------|-------|-------|-------|----|--------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-N02@4'

7/24/2023 9:05:00AM

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

Origins Laboratory, Inc.
Y307492-12 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Magnesium | 1.81 | 0.823 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
| Sodium | 20.5 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 18.9 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.32 | 0.0882 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 206 | 8.82 | " | " | " | EDM | " | " |
| Cadmium | 0.280 | 0.0882 | " | " | " | EDM | " | " |
| Copper | 18.5 | 8.82 | " | " | " | EDM | " | " |
| Lead | 11.0 | 8.82 | " | " | " | EDM | " | " |
| Nickel | 29.2 | 8.82 | " | " | " | EDM | " | " |
| Selenium | 0.115 | 0.0882 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-E01@4'
7/24/2023 9:10:00AM

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

Origins Laboratory, Inc.
Y307492-13 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.991 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/24/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 75.6 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|------|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HKS | 07/24/2023 | 07/25/2023 | U |
| Benzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Gasoline Range Hydrocarbons | 1.67 | 0.200 | " | " | " | HKS | " | " | |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 90.4 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 91.2 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 2.73 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-E01@4'

7/24/2023 9:10:00AM

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

Origins Laboratory, Inc.
Y307492-13 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Magnesium | 3.15 | 0.823 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
| Sodium | 13.0 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 7.55 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 2.67 | 0.0926 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 95.6 | 9.26 | " | " | " | EDM | " | " |
| Cadmium | 0.122 | 0.0926 | " | " | " | EDM | " | " |
| Copper | 9.88 | 9.26 | " | " | " | EDM | " | " |
| Lead | ND | 9.26 | " | " | " | EDM | " | " |
| Nickel | 10.3 | 9.26 | " | " | " | EDM | " | " |
| Selenium | 0.150 | 0.0926 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S01@4'
7/24/2023 9:15:00AM

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

Origins Laboratory, Inc.
Y307492-14 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.961 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/24/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 82.3 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HK | 07/24/2023 | 07/25/2023 | U |
| Benzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HK | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HK | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 115 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 96.6 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 104 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|---------|-------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 0.950 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
|---------|-------|-------|-------|----|--------|-----|------------|------------|--|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S01@4'
7/24/2023 9:15:00AM

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

Origins Laboratory, Inc.
Y307492-14 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Magnesium | 2.15 | 0.823 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
| Sodium | 18.4 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 14.8 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.82 | 0.0875 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 130 | 8.75 | " | " | " | EDM | " | " |
| Cadmium | 0.164 | 0.0875 | " | " | " | EDM | " | " |
| Copper | 39.0 | 8.75 | " | " | " | EDM | " | " |
| Lead | 14.2 | 8.75 | " | " | " | EDM | " | " |
| Nickel | 18.7 | 8.75 | " | " | " | EDM | " | " |
| Selenium | 0.160 | 0.0875 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S02@4'

7/24/2023 9:20:00AM

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

Origins Laboratory, Inc. Y307492-15 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.554 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/24/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 81.5 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HK | 07/24/2023 | 07/25/2023 | U |
| Benzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HK | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HK | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 117 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 97.6 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 5.01 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S02@4'

7/24/2023 9:20:00AM

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

Origins Laboratory, Inc.
Y307492-15 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Magnesium | 8.85 | 0.823 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
| Sodium | 25.6 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 9.74 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.43 | 0.0904 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 129 | 9.04 | " | " | " | EDM | " | " |
| Cadmium | 0.111 | 0.0904 | " | " | " | EDM | " | " |
| Copper | 16.6 | 9.04 | " | " | " | EDM | " | " |
| Lead | 10.9 | 9.04 | " | " | " | EDM | " | " |
| Nickel | 15.5 | 9.04 | " | " | " | EDM | " | " |
| Selenium | 0.117 | 0.0904 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-W01@4'

7/24/2023 9:25:00AM

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

Origins Laboratory, Inc.
Y307492-16 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.85 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/24/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 83.4 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HK | 07/24/2023 | 07/25/2023 | U |
| Benzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HK | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HK | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 116 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 97.1 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 103 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 7.72 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-W01@4'

7/24/2023 9:25:00AM

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

Origins Laboratory, Inc.
Y307492-16 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Magnesium | 7.08 | 0.823 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
| Sodium | 14.3 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 5.27 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.24 | 0.0932 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 128 | 9.32 | " | " | " | EDM | " | " |
| Cadmium | 0.201 | 0.0932 | " | " | " | EDM | " | " |
| Copper | 11.7 | 9.32 | " | " | " | EDM | " | " |
| Lead | 10.7 | 9.32 | " | " | " | EDM | " | " |
| Nickel | 10.8 | 9.32 | " | " | " | EDM | " | " |
| Selenium | 0.148 | 0.0932 | " | " | " | EDM | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B01@6'

7/24/2023 9:30:00AM

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

Origins Laboratory, Inc.
Y307492-17 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.06 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/25/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 77.6 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|------|---------|-------|---|---------|----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3G2426 | HK | 07/24/2023 | 07/25/2023 | U |
| Benzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HK | " | " | U |
| Gasoline Range Hydrocarbons | 1.54 | 0.200 | " | " | " | HK | " | " | |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 116 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 96.4 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 109 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 3.25 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B01@6'

7/24/2023 9:30:00AM

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

Origins Laboratory, Inc.
Y307492-17 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Magnesium | 3.50 | 0.823 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
| Sodium | 6.97 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 3.79 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 2.51 | 0.0850 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 121 | 8.50 | " | " | " | EDM | " | " |
| Cadmium | 0.210 | 0.0850 | " | " | " | EDM | " | " |
| Copper | 11.8 | 8.50 | " | " | " | EDM | " | " |
| Lead | 11.1 | 8.50 | " | " | " | EDM | " | " |
| Nickel | 10.7 | 8.50 | " | " | " | EDM | " | " |
| Selenium | 0.144 | 0.0850 | " | " | " | EDM | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B02@6'
7/24/2023 9:35:00AM

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

Origins Laboratory, Inc.
Y307492-18 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.423 | 0.100 | mg/L | 1 | B3G2504 | KAP | 07/25/2023 | 07/26/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | 40.5 | 25.0 | mg/kg | 1 | B3G2424 | ZZZ | 07/24/2023 | 07/25/2023 | |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 84.6 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|--------|---------|-------|----|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | 0.326 | 0.00200 | mg/kg | 1 | B3G2426 | HK | 07/24/2023 | 07/25/2023 | |
| Benzene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Ethylbenzene | 0.0236 | 0.00200 | " | " | " | HK | " | " | |
| Toluene | ND | 0.00200 | " | " | " | HK | " | " | U |
| Xylenes, total | 0.0157 | 0.00200 | " | " | " | HK | " | " | |
| Gasoline Range Hydrocarbons | 20.9 | 5.00 | " | 25 | " | HKS | " | 07/25/2023 | |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|------------|------|
| Surrogate: 1,2-Dichloroethane-d4 | 118 % | 70-130 | | | " | " | 07/25/2023 | |
| Surrogate: Toluene-d8 | 93.6 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 197 % | 70-130 | | | " | " | " | S-GC |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 1.82 | 0.499 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 | |
| Magnesium | 2.19 | 0.823 | " | " | " | KAP | " | " | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B02@6'

7/24/2023 9:35:00AM

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

Origins Laboratory, Inc.
Y307492-18 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|--------|------|-------|-------|----|--------|-----|------------|------------|
| Sodium | 8.14 | 0.435 | meq/L | 10 | [CALC] | KAP | 07/25/2023 | 07/26/2023 |
|--------|------|-------|-------|----|--------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|---|---|
| SAR | 5.74 | | SAR | 1 | B3G2501 | KAP | " | " |
|-----|------|--|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 1.79 | 0.0936 | mg/kg | 10 | B3G2423 | EDM | 07/24/2023 | 07/25/2023 |
| Barium | 58.0 | 9.36 | " | " | " | EDM | " | " |
| Cadmium | ND | 0.0936 | " | " | " | EDM | " | " |
| Copper | ND | 9.36 | " | " | " | EDM | " | " |
| Lead | ND | 9.36 | " | " | " | EDM | " | " |
| Nickel | ND | 9.36 | " | " | " | EDM | " | " |
| Selenium | ND | 0.0936 | " | " | " | EDM | " | " |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2424 - EPA 3550B | | | | | | | | | | |
| Blank (B3G2424-BLK1) | | | | | Prepared: 07/24/2023 Analyzed: 07/24/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 21 | | " | 24.9 | | 85.8 | 50-150 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2424 - EPA 3550B

LCS (B3G2424-BS1)

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 816 | 50.0 | mg/kg | 1000 | | 81.6 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 872 | 200 | " | 1000 | | 87.2 | 70-130 | | | |
| Surrogate: o-Terphenyl | 54 | | " | 49.8 | | 108 | 50-150 | | | |

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Ensolum

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2424 - EPA 3550B

| Matrix Spike (B3G2424-MS1) | | Source: Y307492-11 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 939 | 50.0 | mg/kg | 1000 | ND | 93.9 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 993 | 200 | " | 1000 | ND | 99.3 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52 | | " | 49.8 | | 104 | 50-150 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2424 - EPA 3550B

| Matrix Spike Dup (B3G2424-MSD1) | | Source: Y307492-11 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|------|----|--|
| Diesel (C10-C28) | 819 | 50.0 | mg/kg | 1000 | ND | 81.9 | 70-130 | 13.6 | 35 | |
| Residual Range Organics (C28-C40) | 870 | 200 | " | 1000 | ND | 87.0 | 70-130 | 13.2 | 35 | |
| Surrogate: o-Terphenyl | 45 | | " | 49.8 | | 90.8 | 50-150 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2426 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B3G2426-BLK1) | | | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 94.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 97.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 86.8 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2426 - EPA 5030 (soil)

LCS (B3G2426-BS1)

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0945 | 0.00200 | mg/kg | 0.100 | | 94.5 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0969 | 0.00200 | " | 0.100 | | 96.9 | 70-130 | | | |
| Benzene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| Ethylbenzene | 0.0920 | 0.00200 | " | 0.100 | | 92.0 | 70-130 | | | |
| Naphthalene | 0.101 | 0.00380 | " | 0.100 | | 101 | 70-130 | | | |
| Toluene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| o-Xylene | 0.0966 | 0.00200 | " | 0.100 | | 96.6 | 70-130 | | | |
| m,p-Xylene | 0.194 | 0.00400 | " | 0.200 | | 97.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 97.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 87.3 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2426 - EPA 5030 (soil) | | | | | | | | | | |
| Matrix Spike (B3G2426-MS1) | | Source: Y307492-01 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0755 | 0.00200 | mg/kg | 0.100 | ND | 75.5 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0752 | 0.00200 | " | 0.100 | ND | 75.2 | 70-130 | | | |
| Benzene | 0.0784 | 0.00200 | " | 0.100 | ND | 78.4 | 70-130 | | | |
| Ethylbenzene | 0.0709 | 0.00200 | " | 0.100 | ND | 70.9 | 70-130 | | | |
| Naphthalene | 0.0763 | 0.00380 | " | 0.100 | 0.000520 | 75.7 | 70-130 | | | |
| Toluene | 0.0795 | 0.00200 | " | 0.100 | ND | 79.5 | 70-130 | | | |
| o-Xylene | 0.0689 | 0.00200 | " | 0.100 | ND | 68.9 | 70-130 | | | QM-07 |
| m,p-Xylene | 0.142 | 0.00400 | " | 0.200 | ND | 70.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 96.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 94.2 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2426 - EPA 5030 (soil)

| Matrix Spike Dup (B3G2426-MSD1) | | Source: Y307492-01 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|------|----|-------|
| 1,2,4-Trimethylbenzene | 0.0892 | 0.00200 | mg/kg | 0.100 | ND | 89.2 | 70-130 | 16.6 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0947 | 0.00200 | " | 0.100 | ND | 94.7 | 70-130 | 23.0 | 20 | QR-02 |
| Benzene | 0.0962 | 0.00200 | " | 0.100 | ND | 96.2 | 70-130 | 20.4 | 20 | QR-02 |
| Ethylbenzene | 0.0860 | 0.00200 | " | 0.100 | ND | 86.0 | 70-130 | 19.3 | 20 | |
| Naphthalene | 0.104 | 0.00380 | " | 0.100 | 0.000520 | 103 | 70-130 | 30.6 | 20 | QR-02 |
| Toluene | 0.0980 | 0.00200 | " | 0.100 | ND | 98.0 | 70-130 | 20.8 | 20 | QR-02 |
| o-Xylene | 0.0895 | 0.00200 | " | 0.100 | ND | 89.5 | 70-130 | 26.0 | 20 | QR-02 |
| m,p-Xylene | 0.175 | 0.00400 | " | 0.200 | ND | 87.6 | 70-130 | 21.3 | 20 | QR-02 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 96.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 97.1 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2435 - EPA 5030B (Water)

Blank (B3G2435-BLK1)

Prepared: 07/24/2023 Analyzed: 07/24/2023

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|--|-----|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | | | | | | | U |
| Benzene | ND | 1.00 | " | | | | | | | U |
| Ethylbenzene | ND | 1.00 | " | | | | | | | U |
| Naphthalene | ND | 2.00 | " | | | | | | | U |
| Toluene | ND | 1.00 | " | | | | | | | U |
| Xylenes, total | ND | 1.00 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 62 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 65 | | " | 62.5 | | 104 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2435 - EPA 5030B (Water)

LCS (B3G2435-BS1)

Prepared: 07/24/2023 Analyzed: 07/24/2023

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 51.3 | 2.00 | ug/L | 50.0 | | 103 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 52.6 | 2.00 | " | 50.0 | | 105 | 70-130 | | | |
| Benzene | 53.6 | 1.00 | " | 50.0 | | 107 | 70-130 | | | |
| Ethylbenzene | 52.2 | 1.00 | " | 50.0 | | 104 | 70-130 | | | |
| m,p-Xylene | 101 | 2.00 | " | 100 | | 101 | 70-130 | | | |
| Naphthalene | 56.4 | 2.00 | " | 50.0 | | 113 | 70-130 | | | |
| o-Xylene | 46.6 | 1.00 | " | 50.0 | | 93.3 | 70-130 | | | |
| Toluene | 52.9 | 1.00 | " | 50.0 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 60 | | " | 62.5 | | 96.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 97.5 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2435 - EPA 5030B (Water)

| Matrix Spike (B3G2435-MS1) | | Source: Y307483-01 | | | Prepared: 07/24/2023 Analyzed: 07/24/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 53.5 | 2.00 | ug/L | 50.0 | ND | 107 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 55.9 | 2.00 | " | 50.0 | ND | 112 | 70-130 | | | |
| Benzene | 55.1 | 1.00 | " | 50.0 | ND | 110 | 70-130 | | | |
| Ethylbenzene | 55.6 | 1.00 | " | 50.0 | ND | 111 | 70-130 | | | |
| m,p-Xylene | 109 | 2.00 | " | 100 | ND | 109 | 70-130 | | | |
| Naphthalene | 53.1 | 2.00 | " | 50.0 | ND | 106 | 70-130 | | | |
| o-Xylene | 53.9 | 1.00 | " | 50.0 | ND | 108 | 70-130 | | | |
| Toluene | 53.6 | 1.00 | " | 50.0 | ND | 107 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 59 | | " | 62.5 | | 94.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 96.9 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 59 | | " | 62.5 | | 95.1 | 70-130 | | | |

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2435 - EPA 5030B (Water)

| Matrix Spike Dup (B3G2435-MSD1) | | Source: Y307483-01 | | | Prepared: 07/24/2023 Analyzed: 07/24/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 56.4 | 2.00 | ug/L | 50.0 | ND | 113 | 70-130 | 5.24 | 20 | |
| 1,3,5-Trimethylbenzene | 58.8 | 2.00 | " | 50.0 | ND | 118 | 70-130 | 5.20 | 20 | |
| Benzene | 58.6 | 1.00 | " | 50.0 | ND | 117 | 70-130 | 6.07 | 20 | |
| Ethylbenzene | 58.8 | 1.00 | " | 50.0 | ND | 118 | 70-130 | 5.59 | 20 | |
| m,p-Xylene | 116 | 2.00 | " | 100 | ND | 116 | 70-130 | 6.03 | 20 | |
| Naphthalene | 56.0 | 2.00 | " | 50.0 | ND | 112 | 70-130 | 5.33 | 20 | |
| o-Xylene | 56.1 | 1.00 | " | 50.0 | ND | 112 | 70-130 | 3.87 | 20 | |
| Toluene | 57.4 | 1.00 | " | 50.0 | ND | 115 | 70-130 | 6.97 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 58 | | " | 62.5 | | 93.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 98.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 99.1 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2423 - EPA 3050B

Blank (B3G2423-BLK1)

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | |
|----------|----|----------|-------|
| 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 | " |

LCS (B3G2423-BS1)

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | |
|----------|--------|----------|-------|--------|------|--------|
| Arsenic | 0.0463 | 0.000100 | mg/kg | 0.0500 | 92.7 | 80-120 |
| Barium | 4.97 | 0.0100 | " | 5.00 | 99.4 | 80-120 |
| Cadmium | 0.0512 | 0.000100 | " | 0.0500 | 102 | 80-120 |
| Copper | 0.510 | 0.0100 | " | 0.500 | 102 | 80-120 |
| Lead | 0.0505 | 0.0100 | " | 0.0500 | 101 | 80-120 |
| Nickel | 0.0481 | 0.0100 | " | 0.0500 | 96.2 | 80-120 |
| Selenium | 0.0464 | 0.000100 | " | 0.0500 | 92.8 | 80-120 |

Matrix Spike (B3G2423-MS1)

Source: Y307492-01

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | | | |
|---------|------|--------|-------|------|--------|------|--------|-------|
| Arsenic | 5.10 | 0.0946 | mg/kg | 4.73 | 2.06 | 64.1 | 75-125 | QM-07 |
| Barium | 497 | 9.46 | " | 473 | 61.7 | 92.0 | 75-125 | |
| Cadmium | 4.87 | 0.0946 | " | 4.73 | 0.0959 | 101 | 75-125 | |
| Copper | 51.5 | 9.46 | " | 47.3 | 8.71 | 90.5 | 75-125 | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2423 - EPA 3050B

| Matrix Spike (B3G2423-MS1) | | Source: Y307492-01 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|------|----|-------|
| Lead | 8.88 | 9.46 | mg/kg | 4.73 | 7.32 | 33.0 | 75-125 | | | QM-07 |
| Nickel | 8.77 | 9.46 | " | 4.73 | 7.65 | 23.7 | 75-125 | | | QM-07 |
| Selenium | 4.32 | 0.0946 | " | 4.73 | 0.115 | 88.9 | 75-125 | | | |
| Matrix Spike Dup (B3G2423-MSD1) | | Source: Y307492-01 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
| Arsenic | 9.06 | 0.0964 | mg/kg | 4.82 | 2.06 | 145 | 75-125 | 56.0 | 20 | QM-07 |
| Barium | 533 | 9.64 | " | 482 | 61.7 | 97.8 | 75-125 | 7.00 | 20 | |
| Cadmium | 5.06 | 0.0964 | " | 4.82 | 0.0959 | 103 | 75-125 | 3.74 | 20 | |
| Copper | 57.1 | 9.64 | " | 48.2 | 8.71 | 100 | 75-125 | 10.2 | 20 | |
| Lead | 12.9 | 9.64 | " | 4.82 | 7.32 | 115 | 75-125 | 36.7 | 20 | QM-07 |
| Nickel | 14.0 | 9.64 | " | 4.82 | 7.65 | 132 | 75-125 | 46.0 | 20 | QM-07 |
| Selenium | 4.51 | 0.0964 | " | 4.82 | 0.115 | 91.2 | 75-125 | 4.27 | 20 | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3G2425 - EPA 3580

Blank (B3G2425-BLK1)

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 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 | 200 | | " | 200 | | 98.1 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 101 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.1 | 60-130 | | | |

LCS (B3G2425-BS1)

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|
| 1-Methylnaphthalene | 0.181 | 0.002 | mg/kg | 0.200 | | 90.6 | 70-130 |
| 2-Methylnaphthalene | 0.189 | 0.002 | " | 0.200 | | 94.4 | 70-130 |
| Acenaphthene | 0.178 | 0.020 | " | 0.200 | | 89.1 | 70-130 |
| Anthracene | 0.146 | 0.020 | " | 0.200 | | 73.0 | 70-130 |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3G2425 - EPA 3580

LCS (B3G2425-BS1)

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (a) anthracene | 0.184 | 0.005 | mg/kg | 0.200 | | 91.8 | 70-130 |
| Benzo (a) pyrene | 0.181 | 0.020 | " | 0.200 | | 90.5 | 70-130 |
| Benzo (b) fluoranthene | 0.189 | 0.020 | " | 0.200 | | 94.6 | 70-130 |
| Benzo (g,h,i) perylene | 0.176 | 0.020 | " | 0.200 | | 88.1 | 70-130 |
| Benzo (k) fluoranthene | 0.176 | 0.020 | " | 0.200 | | 87.9 | 70-130 |
| Chrysene | 0.172 | 0.020 | " | 0.200 | | 85.9 | 70-130 |
| Dibenz (a,h) anthracene | 0.204 | 0.020 | " | 0.200 | | 102 | 70-130 |
| Fluoranthene | 0.175 | 0.020 | " | 0.200 | | 87.4 | 70-130 |
| Fluorene | 0.182 | 0.020 | " | 0.200 | | 90.8 | 70-130 |
| Indeno (1,2,3-cd) pyrene | 0.179 | 0.020 | " | 0.200 | | 89.3 | 70-130 |
| Naphthalene | 0.199 | 0.002 | " | 0.200 | | 99.6 | 70-130 |
| Phenanthrene | 0.166 | 0.020 | " | 0.200 | | 83.0 | 70-130 |
| Pyrene | 0.198 | 0.020 | " | 0.200 | | 99.2 | 70-130 |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 97.8 | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 103 | 60-130 |
| Surrogate: Pyrene-d10 | 210 | | " | 200 | | 107 | 60-130 |

Matrix Spike (B3G2425-MS1)

Source: Y307492-01

Prepared: 07/24/2023 Analyzed: 07/25/2023

| | | | | | | | |
|------------------------|-------|-------|-------|-------|--------|------|--------|
| 1-Methylnaphthalene | 0.188 | 0.002 | mg/kg | 0.200 | ND | 94.0 | 70-130 |
| 2-Methylnaphthalene | 0.200 | 0.002 | " | 0.200 | ND | 99.8 | 70-130 |
| Acenaphthene | 0.186 | 0.020 | " | 0.200 | 0.0004 | 93.0 | 70-130 |
| Anthracene | 0.153 | 0.020 | " | 0.200 | ND | 76.7 | 70-130 |
| Benzo (a) anthracene | 0.178 | 0.005 | " | 0.200 | ND | 89.2 | 70-130 |
| Benzo (a) pyrene | 0.179 | 0.020 | " | 0.200 | ND | 89.7 | 70-130 |
| Benzo (b) fluoranthene | 0.195 | 0.020 | " | 0.200 | 0.0003 | 97.1 | 70-130 |
| Benzo (g,h,i) perylene | 0.182 | 0.020 | " | 0.200 | ND | 91.1 | 70-130 |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3G2425 - EPA 3580

| Matrix Spike (B3G2425-MS1) | | Source: Y307492-01 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.179 | 0.020 | mg/kg | 0.200 | 0.0008 | 88.9 | 70-130 | | | |
| Chrysene | 0.182 | 0.020 | " | 0.200 | 0.001 | 90.6 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.216 | 0.020 | " | 0.200 | ND | 108 | 70-130 | | | |
| Fluoranthene | 0.188 | 0.020 | " | 0.200 | 0.002 | 93.1 | 70-130 | | | |
| Fluorene | 0.191 | 0.020 | " | 0.200 | ND | 95.4 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.182 | 0.020 | " | 0.200 | ND | 90.9 | 70-130 | | | |
| Naphthalene | 0.204 | 0.002 | " | 0.200 | 0.0009 | 101 | 70-130 | | | |
| Phenanthrene | 0.178 | 0.020 | " | 0.200 | ND | 88.9 | 70-130 | | | |
| Pyrene | 0.218 | 0.020 | " | 0.200 | 0.005 | 106 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.4 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 103 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 220 | | " | 200 | | 108 | 60-130 | | | |

| Matrix Spike Dup (B3G2425-MSD1) | | Source: Y307492-01 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| 1-Methylnaphthalene | 0.194 | 0.002 | mg/kg | 0.200 | ND | 96.9 | 70-130 | 3.05 | 20 | |
| 2-Methylnaphthalene | 0.197 | 0.002 | " | 0.200 | ND | 98.7 | 70-130 | 1.16 | 20 | |
| Acenaphthene | 0.183 | 0.020 | " | 0.200 | 0.0004 | 91.5 | 70-130 | 1.70 | 20 | |
| Anthracene | 0.150 | 0.020 | " | 0.200 | ND | 74.9 | 70-130 | 2.42 | 20 | |
| Benzo (a) anthracene | 0.172 | 0.005 | " | 0.200 | ND | 85.9 | 70-130 | 3.77 | 20 | |
| Benzo (a) pyrene | 0.167 | 0.020 | " | 0.200 | ND | 83.7 | 70-130 | 7.00 | 20 | |
| Benzo (b) fluoranthene | 0.201 | 0.020 | " | 0.200 | 0.0003 | 100 | 70-130 | 3.00 | 20 | |
| Benzo (g,h,i) perylene | 0.180 | 0.020 | " | 0.200 | ND | 90.2 | 70-130 | 0.950 | 20 | |
| Benzo (k) fluoranthene | 0.186 | 0.020 | " | 0.200 | 0.0008 | 92.7 | 70-130 | 4.18 | 20 | |
| Chrysene | 0.189 | 0.020 | " | 0.200 | 0.001 | 93.7 | 70-130 | 3.39 | 20 | |
| Dibenz (a,h) anthracene | 0.214 | 0.020 | " | 0.200 | ND | 107 | 70-130 | 1.35 | 20 | |
| Fluoranthene | 0.184 | 0.020 | " | 0.200 | 0.002 | 91.2 | 70-130 | 1.97 | 20 | |

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Ensolum

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Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3G2425 - EPA 3580

| Matrix Spike Dup (B3G2425-MSD1) | | Source: Y307492-01 | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|------|----|--|
| Fluorene | 0.185 | 0.020 | mg/kg | 0.200 | ND | 92.3 | 70-130 | 3.35 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.184 | 0.020 | " | 0.200 | ND | 91.8 | 70-130 | 1.02 | 20 | |
| Naphthalene | 0.207 | 0.002 | " | 0.200 | 0.0009 | 103 | 70-130 | 1.55 | 20 | |
| Phenanthrene | 0.175 | 0.020 | " | 0.200 | ND | 87.4 | 70-130 | 1.76 | 20 | |
| Pyrene | 0.213 | 0.020 | " | 0.200 | 0.005 | 104 | 70-130 | 2.01 | 20 | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.4 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 103 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 220 | | " | 200 | | 108 | 60-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3G2403 - Filter .45um non acidified | | | | | | | | | | |
| Blank (B3G2403-BLK1) | | | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
| Chloride | ND | 0.250 | mg/L | | | | | | | |
| Sulfate | ND | 0.250 | " | | | | | | | |
| LCS (B3G2403-BS1) | | | | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | | | |
| Chloride | 3.98 | 0.250 | mg/L | 4.00 | | 99.6 | 90-110 | | | |
| Sulfate | 3.97 | 0.250 | " | 4.00 | | 99.3 | 90-110 | | | |
| Matrix Spike (B3G2403-MS1) | | | | | Source: Y307477-14 | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | |
| Chloride | 523 | | mg/L | 500 | 15.7 | 102 | 90-110 | | | |
| Sulfate | 548 | | " | 500 | 39.5 | 102 | 90-110 | | | |
| Matrix Spike Dup (B3G2403-MSD1) | | | | | Source: Y307477-14 | | Prepared: 07/24/2023 Analyzed: 07/25/2023 | | | |
| Chloride | 522 | | mg/L | 500 | 15.7 | 101 | 90-110 | 0.352 | 5 | |
| Sulfate | 547 | | " | 500 | 39.5 | 102 | 90-110 | 0.0913 | 5 | |
| Batch B3G2501 - Saturated Paste Metals | | | | | | | | | | |
| Blank (B3G2501-BLK1) | | | | | Prepared: 07/25/2023 Analyzed: 07/26/2023 | | | | | |
| SAR | 0.00 | | SAR | | | | | | | |
| Calcium PPM | ND | 10.0 | mg/L | | | | | | | |
| Magnesium PPM | ND | 10.0 | " | | | | | | | |
| Sodium PPM | ND | 10.0 | " | | | | | | | |
| Duplicate (B3G2501-DUP1) | | | | | Source: Y307495-01 | | Prepared: 07/25/2023 Analyzed: 07/26/2023 | | | |
| SAR | 0.00 | | SAR | | 4.18 | | | 200 | 200 | |
| Calcium PPM | 30.0 | 10.0 | mg/L | | 64.8 | | | 73.4 | 50 | QR-DUP |
| Magnesium PPM | 29.8 | 10.0 | " | | 18.5 | | | 46.8 | 50 | |
| Sodium PPM | 565 | 10.0 | " | | 148 | | | 117 | 50 | QR-DUP |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3G2504 - DTPA Sorbitol Preparation | | | | | | | | | | |
| Blank (B3G2504-BLK1) | | | | | Prepared: 07/25/2023 Analyzed: 07/26/2023 | | | | | |
| Boron | ND | 0.100 | mg/L | | | | | | | |
| Duplicate (B3G2504-DUP1) | | | | | Source: Y307492-01 Prepared: 07/25/2023 Analyzed: 07/26/2023 | | | | | |
| Boron | 0.326 | 0.100 | mg/L | | 0.413 | | | 23.4 | 50 | |
| Batch B3G2513 - NO PREP | | | | | | | | | | |
| Blank (B3G2513-BLK1) | | | | | Prepared: 07/25/2023 Analyzed: 07/28/2023 | | | | | |
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
| LCS (B3G2513-BS1) | | | | | Prepared: 07/25/2023 Analyzed: 07/28/2023 | | | | | |
| Total Dissolved Solids | 1000 | 5.00 | mg/L | 1000 | | 100 | 90-110 | | | |
| Duplicate (B3G2513-DUP1) | | | | | Source: Y307477-22 Prepared: 07/25/2023 Analyzed: 07/28/2023 | | | | | |
| Total Dissolved Solids | 1150 | 5.00 | mg/L | | 1270 | | | 9.92 | 10 | |
| Batch B3G2603 - NO PREP | | | | | | | | | | |
| Blank (B3G2603-BLK1) | | | | | Prepared: 07/26/2023 Analyzed: 07/26/2023 | | | | | |
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
| LCS (B3G2603-BS1) | | | | | Prepared: 07/26/2023 Analyzed: 07/26/2023 | | | | | |
| Total Dissolved Solids | 995 | 5.00 | mg/L | 1000 | | 99.5 | 90-110 | | | |
| Duplicate (B3G2603-DUP1) | | | | | Source: Y307413-01 Prepared: 07/26/2023 Analyzed: 07/26/2023 | | | | | |
| Total Dissolved Solids | 586 | 5.00 | mg/L | | 748 | | | 24.3 | 10 | QR-DUP |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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.

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

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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December 27, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Junction 11,12,22-2 O SA Facility **Project Number - 09A1417263**

Attached are your analytical results for KMG - Junction 11,12,22-2 O SA Facility received by Origins Laboratory, Inc. December 13, 2023. This project is associated with Origins project number Y312388-01.

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|-------------------------|------------------|
| SEP02-N02@2' | Y312388-01 | Soil | December 13, 2023 9:15 | 12/13/2023 15:10 |
| SEP02-S02@2' | Y312388-02 | Soil | December 13, 2023 9:25 | 12/13/2023 15:10 |
| TP01@2' | Y312388-03 | Soil | December 13, 2023 9:45 | 12/13/2023 15:10 |
| TP02@2' | Y312388-04 | Soil | December 13, 2023 10:10 | 12/13/2023 15:10 |
| TP03@2' | Y312388-05 | Soil | December 13, 2023 10:25 | 12/13/2023 15:10 |
| TP01-GW01 | Y312388-06 | Water | December 13, 2023 9:50 | 12/13/2023 15:10 |
| TP03-GW01 | Y312388-07 | Water | December 13, 2023 10:30 | 12/13/2023 15:10 |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

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

ORIGINS LABORATORY, INC

INITIAL ☐ IMPACTED ☒ 4312388 page 1 of 1

www.originslaboratory.com

Client: Ensolum LLC
Project Manager: Jeremy Espinoza
Address:
Project Name: Junction 11,12,22-2 O SA Facility
Telephone Number:
Project Number: 09A1417263
Email Address: KMG Team
Samples Collected By: Glenn Thompson

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | | Full Table 915-1 | BTEXN | 1,2,4/1,3,5-TMB | THH-GRO/DRO/RO | EC/PH/SAR/Boron (SP) | 915 PAHS | B,As,Ba,Cd,Cu | Pb,Ni,Se | BTEX+N+TMB | TDS Anions | Sample Instructions | |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------------------|-------|-----------------|----------------|----------------------|----------|---------------|----------|------------|------------|---------------------|----|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | | | | | | | | | | | | |
| SEP02-402-2' | 12-13-23 | 915 | 3 | X | | | | | X | X | | | | | X | X | X | X | | 1 |
| SEP02-501-2' | | 915 | 3 | X | | | | | X | X | | | | | X | X | X | X | | 2 |
| TR01-2' | | 945 | 3 | X | | | | | X | X | | | | | X | X | X | X | | 3 |
| TR02-2' | | 1010 | 3 | X | | | | | X | X | | | | | X | X | X | X | | 4 |
| TR03-2' | | 1025 | 3 | X | | | | | X | X | | | | | X | X | X | X | | 5 |
| TR01-GW01 | | 950 | 4 | X | | | | | X | X | | | | | X | X | X | X | | 6 |
| TR03-GW01 | | 1030 | 4 | X | | | | | X | X | | | | | X | X | X | X | | 7 |
| | | | | | | | | | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | | | | | | | | | 10 |

Relinquished By:
Date: 12-13-23 Time: 1510
Received By:
Date: 12/16/23 Time: 1510

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

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: 4312388

Client: Ensolum

Client Project ID: Junction 11,12,22-2

Checklist Completed by: EHS

Shipped Via: HO

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

Date/time completed: 12/13/23

Airbill #: N/A

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

Cooler Number/Temperature: 112 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: 1004

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

Jeremy Espinoza
Reviewed by (Project Manager)

12/13/23
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: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-N02@2'
12/13/2023 9:15:00AM

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

Origins Laboratory, Inc.
Y312388-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 2.17 | 0.101 | mg/L | 1 | B3L1408 | KAP | 12/14/2023 | 12/15/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3L1335 | ZZZ | 12/13/2023 | 12/13/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | ZZZ | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 86.1 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 95.3 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 113 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | Windo | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-N02@2'
12/13/2023 9:15:00AM

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

Origins Laboratory, Inc.
Y312388-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 108 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.8 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 97.0 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.70 | 0.0981 | mg/kg | 10 | B3L1336 | HJD | 12/13/2023 | 12/14/2023 |
| Barium | 199 | 9.81 | " | " | " | HJD | " | " |
| Cadmium | 0.361 | 0.0981 | " | " | " | HJD | " | " |
| Copper | 19.6 | 9.81 | " | " | " | HJD | " | " |
| Lead | 17.9 | 0.981 | " | " | " | HJD | " | " |
| Nickel | 15.9 | 0.981 | " | " | " | HJD | " | " |
| Selenium | 0.320 | 0.0981 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-S02@2'
12/13/2023 9:25:00AM

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

Origins Laboratory, Inc.
Y312388-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 1.66 | 0.0993 | mg/L | 1 | B3L1408 | KAP | 12/14/2023 | 12/15/2023 | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3L1335 | ZZZ | 12/13/2023 | 12/13/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | ZZZ | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 89.2 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 93.9 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 113 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | Windo | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

SEP02-S02@2'

12/13/2023 9:25:00AM

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

Origins Laboratory, Inc.
Y312388-02 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 106 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.7 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 96.4 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.73 | 0.0939 | mg/kg | 10 | B3L1336 | HJD | 12/13/2023 | 12/14/2023 |
| Barium | 151 | 9.39 | " | " | " | HJD | " | " |
| Cadmium | 0.279 | 0.0939 | " | " | " | HJD | " | " |
| Copper | 18.3 | 9.39 | " | " | " | HJD | " | " |
| Lead | 15.6 | 0.939 | " | " | " | HJD | " | " |
| Nickel | 14.0 | 0.939 | " | " | " | HJD | " | " |
| Selenium | 0.301 | 0.0939 | " | " | " | HJD | " | " |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TP01@2'

12/13/2023 9:45:00AM

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

Origins Laboratory, Inc.
Y312388-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 0.264 | 0.0981 | mg/L | 1 | B3L1408 | KAP | 12/14/2023 | 12/15/2023 | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3L1335 | ZZZ | 12/13/2023 | 12/13/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | ZZZ | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 87.9 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 95.2 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 113 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | Windo | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TP01@2'

12/13/2023 9:45:00AM

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

Origins Laboratory, Inc.
Y312388-03 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 106 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.4 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.7 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|--------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 2.95 | 0.0848 | mg/kg | 10 | B3L1336 | HJD | 12/13/2023 | 12/14/2023 |
| Barium | 86.9 | 8.48 | " | " | " | HJD | " | " |
| Cadmium | 0.0882 | 0.0848 | " | " | " | HJD | " | " |
| Copper | ND | 8.48 | " | " | " | HJD | " | " |
| Lead | 9.21 | 0.848 | " | " | " | HJD | " | " |
| Nickel | 8.19 | 0.848 | " | " | " | HJD | " | " |
| Selenium | ND | 0.0848 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TP02@2'
12/13/2023 10:10:00AM

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

Origins Laboratory, Inc.
Y312388-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.199 | 0.100 | mg/L | 1 | B3L1409 | KAP | 12/14/2023 | 12/15/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3L1335 | ZZZ | 12/13/2023 | 12/14/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | ZZZ | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 86.0 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 94.3 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 112 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | Windo | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TP02@2'
12/13/2023 10:10:00AM

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

Origins Laboratory, Inc.
Y312388-04 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 107 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 97.7 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.0 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 100 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.72 | 0.0848 | mg/kg | 10 | B3L1336 | HJD | 12/13/2023 | 12/14/2023 |
| Barium | 112 | 8.48 | " | " | " | HJD | " | " |
| Cadmium | ND | 0.0848 | " | " | " | HJD | " | " |
| Copper | ND | 8.48 | " | " | " | HJD | " | " |
| Lead | 8.94 | 0.848 | " | " | " | HJD | " | " |
| Nickel | 7.30 | 0.848 | " | " | " | HJD | " | " |
| Selenium | ND | 0.0848 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TP03@2'
12/13/2023 10:25:00AM

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

Origins Laboratory, Inc.
Y312388-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 1.27 | 0.0987 | mg/L | 1 | B3L1409 | KAP | 12/14/2023 | 12/15/2023 | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Benzene | ND | 0.00200 | mg/kg | 1 | B3L1335 | ZZZ | 12/13/2023 | 12/14/2023 | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | ZZZ | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 88.8 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 93.3 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 112 % | 70-130 | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | Windo | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

TP03@2'

12/13/2023 10:25:00AM

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

Origins Laboratory, Inc. Y312388-05 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Chrysene | ND | 0.020 | mg/kg | 1 | B3L1334 | Windo | 12/13/2023 | 12/14/2023 | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluorene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 106 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 95.4 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 98.7 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.25 | 0.0856 | mg/kg | 10 | B3L1336 | HJD | 12/13/2023 | 12/14/2023 |
| Barium | 136 | 8.56 | " | " | " | HJD | " | " |
| Cadmium | 0.170 | 0.0856 | " | " | " | HJD | " | " |
| Copper | 17.1 | 8.56 | " | " | " | HJD | " | " |
| Lead | 12.9 | 0.856 | " | " | " | HJD | " | " |
| Nickel | 14.5 | 0.856 | " | " | " | HJD | " | " |
| Selenium | 0.174 | 0.0856 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP01-GW01

12/13/2023 9:50:00AM

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

Origins Laboratory, Inc.

Y312388-06 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 220 | 31.2 | mg/L | 125 | B3L1406 | ACC | 12/14/2023 | 12/15/2023 | |
| Sulfate | 661 | 31.2 | " | " | " | ACC | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3L1324 | JSM | 12/13/2023 | 12/13/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

99.0 % 70-130

"

"

"

Surrogate: Toluene-d8

102 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

101 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|
| Total Dissolved Solids | 1630 | 5.00 | mg/L | 1 | B3L1340 | KRM | 12/13/2023 | 12/15/2023 | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP03-GW01

12/13/2023 10:30:00AM

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

Origins Laboratory, Inc. Y312388-07 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 211 | 31.2 | mg/L | 125 | B3L1406 | ACC | 12/14/2023 | 12/15/2023 | |
| Sulfate | 425 | 31.2 | " | " | " | ACC | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3L1324 | JSM | 12/13/2023 | 12/13/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

96.9 % 70-130

"

"

"

Surrogate: Toluene-d8

100 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

106 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|
| Total Dissolved Solids | 1400 | 5.00 | mg/L | 1 | B3L1340 | KRM | 12/13/2023 | 12/15/2023 | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1324 - EPA 5030B (Water)

Blank (B3L1324-BLK1)

Prepared: 12/13/2023 Analyzed: 12/13/2023

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|--|------|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | | | | | | | U |
| Benzene | ND | 1.00 | " | | | | | | | U |
| Ethylbenzene | ND | 1.00 | " | | | | | | | U |
| Naphthalene | ND | 2.00 | " | | | | | | | U |
| Toluene | ND | 1.00 | " | | | | | | | U |
| Xylenes, total | ND | 1.00 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 61 | | " | 62.5 | | 97.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 66 | | " | 62.5 | | 106 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1324 - EPA 5030B (Water)

LCS (B3L1324-BS1)

Prepared: 12/13/2023 Analyzed: 12/13/2023

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 52.0 | 2.00 | ug/L | 50.0 | | 104 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 52.3 | 2.00 | " | 50.0 | | 105 | 70-130 | | | |
| Benzene | 50.0 | 1.00 | " | 50.0 | | 100 | 70-130 | | | |
| Ethylbenzene | 52.5 | 1.00 | " | 50.0 | | 105 | 70-130 | | | |
| m,p-Xylene | 105 | 2.00 | " | 100 | | 105 | 70-130 | | | |
| Naphthalene | 45.8 | 2.00 | " | 50.0 | | 91.5 | 70-130 | | | |
| o-Xylene | 49.7 | 1.00 | " | 50.0 | | 99.4 | 70-130 | | | |
| Toluene | 51.4 | 1.00 | " | 50.0 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 56 | | " | 62.5 | | 90.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 98.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 63 | | " | 62.5 | | 100 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1324 - EPA 5030B (Water)

| Matrix Spike (B3L1324-MS1) | | Source: Y312297-01 | | | Prepared: 12/13/2023 Analyzed: 12/13/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 48.2 | 2.00 | ug/L | 50.0 | ND | 96.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 51.2 | 2.00 | " | 50.0 | ND | 102 | 70-130 | | | |
| Benzene | 44.8 | 1.00 | " | 50.0 | ND | 89.5 | 70-130 | | | |
| Ethylbenzene | 49.0 | 1.00 | " | 50.0 | ND | 97.9 | 70-130 | | | |
| m,p-Xylene | 98.4 | 2.00 | " | 100 | ND | 98.4 | 70-130 | | | |
| Naphthalene | 41.8 | 2.00 | " | 50.0 | ND | 83.6 | 70-130 | | | |
| o-Xylene | 46.0 | 1.00 | " | 50.0 | ND | 92.0 | 70-130 | | | |
| Toluene | 48.0 | 1.00 | " | 50.0 | ND | 96.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 57 | | " | 62.5 | | 91.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 65 | | " | 62.5 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 102 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1324 - EPA 5030B (Water)

| Matrix Spike Dup (B3L1324-MSD1) | | Source: Y312297-01 | | | Prepared: 12/13/2023 Analyzed: 12/13/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 54.2 | 2.00 | ug/L | 50.0 | ND | 108 | 70-130 | 11.8 | 20 | |
| 1,3,5-Trimethylbenzene | 55.8 | 2.00 | " | 50.0 | ND | 112 | 70-130 | 8.54 | 20 | |
| Benzene | 53.8 | 1.00 | " | 50.0 | ND | 108 | 70-130 | 18.3 | 20 | |
| Ethylbenzene | 58.1 | 1.00 | " | 50.0 | ND | 116 | 70-130 | 17.1 | 20 | |
| m,p-Xylene | 114 | 2.00 | " | 100 | ND | 114 | 70-130 | 14.5 | 20 | |
| Naphthalene | 50.1 | 2.00 | " | 50.0 | ND | 100 | 70-130 | 18.0 | 20 | |
| o-Xylene | 54.0 | 1.00 | " | 50.0 | ND | 108 | 70-130 | 16.0 | 20 | |
| Toluene | 55.2 | 1.00 | " | 50.0 | ND | 110 | 70-130 | 14.0 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 57 | | " | 62.5 | | 91.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 98.3 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1335 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B3L1335-BLK1) | | | | | Prepared: 12/13/2023 Analyzed: 12/13/2023 | | | | | |
| 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 | 0.11 | | " | 0.125 | | 84.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 94.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.14 | | " | 0.125 | | 110 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1335 - EPA 5030 (soil) | | | | | | | | | | |
| LCS (B3L1335-BS1) | | | | | Prepared: 12/13/2023 Analyzed: 12/13/2023 | | | | | |
| 1,2,4-Trimethylbenzene | 0.0962 | 0.00200 | mg/kg | 0.100 | | 96.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0888 | 0.00200 | " | 0.100 | | 88.8 | 70-130 | | | |
| Benzene | 0.0898 | 0.00200 | " | 0.100 | | 89.8 | 70-130 | | | |
| Ethylbenzene | 0.0981 | 0.00200 | " | 0.100 | | 98.1 | 70-130 | | | |
| Naphthalene | 0.117 | 0.00380 | " | 0.100 | | 117 | 70-130 | | | |
| Toluene | 0.0990 | 0.00200 | " | 0.100 | | 99.0 | 70-130 | | | |
| o-Xylene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | | | |
| m,p-Xylene | 0.183 | 0.00400 | " | 0.200 | | 91.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 91.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.17 | | " | 0.125 | | 133 | 70-130 | | | S-GC |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1335 - EPA 5030 (soil)

| Matrix Spike (B3L1335-MS1) | | Source: Y312397-01 | | | Prepared: 12/13/2023 Analyzed: 12/13/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0862 | 0.00200 | mg/kg | 0.100 | ND | 86.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0767 | 0.00200 | " | 0.100 | ND | 76.7 | 70-130 | | | |
| Benzene | 0.0842 | 0.00200 | " | 0.100 | ND | 84.2 | 70-130 | | | |
| Ethylbenzene | 0.0856 | 0.00200 | " | 0.100 | ND | 85.6 | 70-130 | | | |
| Naphthalene | 0.0929 | 0.00380 | " | 0.100 | ND | 92.9 | 70-130 | | | |
| Toluene | 0.0791 | 0.00200 | " | 0.100 | ND | 79.1 | 70-130 | | | |
| o-Xylene | 0.0861 | 0.00200 | " | 0.100 | ND | 86.1 | 70-130 | | | |
| m,p-Xylene | 0.147 | 0.00400 | " | 0.200 | ND | 73.3 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 86.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1335 - EPA 5030 (soil)

| Matrix Spike Dup (B3L1335-MSD1) | | Source: Y312397-01 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|------|----|-------|
| 1,2,4-Trimethylbenzene | 0.0974 | 0.00200 | mg/kg | 0.100 | ND | 97.4 | 70-130 | 12.2 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0846 | 0.00200 | " | 0.100 | ND | 84.6 | 70-130 | 9.84 | 20 | |
| Benzene | 0.0873 | 0.00200 | " | 0.100 | ND | 87.3 | 70-130 | 3.66 | 20 | |
| Ethylbenzene | 0.0963 | 0.00200 | " | 0.100 | ND | 96.3 | 70-130 | 11.8 | 20 | |
| Naphthalene | 0.105 | 0.00380 | " | 0.100 | ND | 105 | 70-130 | 11.9 | 20 | |
| Toluene | 0.0860 | 0.00200 | " | 0.100 | ND | 86.0 | 70-130 | 8.36 | 20 | |
| o-Xylene | 0.106 | 0.00200 | " | 0.100 | ND | 106 | 70-130 | 20.9 | 20 | QR-02 |
| m,p-Xylene | 0.174 | 0.00400 | " | 0.200 | ND | 86.8 | 70-130 | 16.8 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 87.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.14 | | " | 0.125 | | 108 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1336 - EPA 3050B

Blank (B3L1336-BLK1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | |
|----------|----|--------|-------|
| 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 (B3L1336-BS1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | | | | |
|----------|------|--------|-------|------|------|--------|
| Arsenic | 4.51 | 0.0100 | mg/kg | 5.00 | 90.2 | 80-120 |
| Barium | 475 | 1.00 | " | 500 | 95.0 | 80-120 |
| Cadmium | 4.81 | 0.0100 | " | 5.00 | 96.1 | 80-120 |
| Copper | 51.5 | 1.00 | " | 50.0 | 103 | 80-120 |
| Lead | 4.75 | 0.100 | " | 5.00 | 95.0 | 80-120 |
| Nickel | 4.90 | 0.100 | " | 5.00 | 98.0 | 80-120 |
| Selenium | 4.86 | 0.0100 | " | 5.00 | 97.2 | 80-120 |
| Silver | 5.13 | 0.0100 | " | 5.00 | 103 | 80-120 |
| Zinc | 50.0 | 1.00 | " | 50.0 | 99.9 | 80-120 |

Matrix Spike (B3L1336-MS1)

Source: Y312388-01

Prepared: 12/13/2023 Analyzed: 12/14/2023

Origins Laboratory, Inc.



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Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1336 - EPA 3050B

| Matrix Spike (B3L1336-MS1) | | Source: Y312388-01 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|-------|----|-------|
| Arsenic | 9.55 | 0.0876 | mg/kg | 4.38 | 4.70 | 111 | 75-125 | | | |
| Barium | 692 | 8.76 | " | 438 | 199 | 113 | 75-125 | | | |
| Cadmium | 5.41 | 0.0876 | " | 4.38 | 0.361 | 115 | 75-125 | | | |
| Copper | 66.4 | 8.76 | " | 43.8 | 19.6 | 107 | 75-125 | | | |
| Lead | 23.3 | 0.876 | " | 4.38 | 17.9 | 124 | 75-125 | | | |
| Nickel | 19.2 | 0.876 | " | 4.38 | 15.9 | 75.9 | 75-125 | | | |
| Selenium | 4.82 | 0.0876 | " | 4.38 | 0.320 | 103 | 75-125 | | | |
| Silver | 5.23 | 0.0876 | " | 4.38 | 0.0608 | 118 | 75-125 | | | |
| Zinc | 135 | 8.76 | " | 43.8 | 85.7 | 112 | 75-125 | | | |
| Matrix Spike Dup (B3L1336-MSD1) | | Source: Y312388-01 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
| Arsenic | 9.15 | 0.0944 | mg/kg | 4.72 | 4.70 | 94.4 | 75-125 | 4.26 | 20 | |
| Barium | 700 | 9.44 | " | 472 | 199 | 106 | 75-125 | 1.04 | 20 | |
| Cadmium | 5.27 | 0.0944 | " | 4.72 | 0.361 | 104 | 75-125 | 2.68 | 20 | |
| Copper | 64.1 | 9.44 | " | 47.2 | 19.6 | 94.4 | 75-125 | 3.57 | 20 | |
| Lead | 20.8 | 0.944 | " | 4.72 | 17.9 | 61.9 | 75-125 | 11.4 | 20 | QM-07 |
| Nickel | 18.6 | 0.944 | " | 4.72 | 15.9 | 56.3 | 75-125 | 3.53 | 20 | QM-07 |
| Selenium | 4.66 | 0.0944 | " | 4.72 | 0.320 | 92.0 | 75-125 | 3.25 | 20 | |
| Silver | 5.19 | 0.0944 | " | 4.72 | 0.0608 | 109 | 75-125 | 0.835 | 20 | |
| Zinc | 125 | 9.44 | " | 47.2 | 85.7 | 83.2 | 75-125 | 7.65 | 20 | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1334 - EPA 3580

Blank (B3L1334-BLK1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | U |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | U |
| Acenaphthene | ND | 0.020 | " | | | | | | | U |
| Anthracene | ND | 0.020 | " | | | | | | | U |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | U |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Chrysene | ND | 0.020 | " | | | | | | | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | U |
| Fluoranthene | ND | 0.020 | " | | | | | | | U |
| Fluorene | ND | 0.020 | " | | | | | | | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | U |
| Naphthalene | ND | 0.002 | " | | | | | | | U |
| Phenanthrene | ND | 0.020 | " | | | | | | | U |
| Pyrene | ND | 0.020 | " | | | | | | | U |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 106 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 98.3 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 98.0 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 100 | 60-130 | | | |

LCS (B3L1334-BS1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | | | | | |
|---------------------|-------|-------|-------|-------|--|-----|--------|
| 1-Methylnaphthalene | 0.212 | 0.002 | mg/kg | 0.200 | | 106 | 70-130 |
| 2-Methylnaphthalene | 0.209 | 0.002 | " | 0.200 | | 105 | 70-130 |
| Acenaphthene | 0.210 | 0.020 | " | 0.200 | | 105 | 70-130 |
| Anthracene | 0.211 | 0.020 | " | 0.200 | | 106 | 70-130 |

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1334 - EPA 3580

LCS (B3L1334-BS1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| Benzo (a) anthracene | 0.199 | 0.005 | mg/kg | 0.200 | | 99.4 | 70-130 | | | |
| Benzo (a) pyrene | 0.217 | 0.020 | " | 0.200 | | 109 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.194 | 0.020 | " | 0.200 | | 96.9 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.224 | 0.020 | " | 0.200 | | 112 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.171 | 0.020 | " | 0.200 | | 85.6 | 70-130 | | | |
| Chrysene | 0.191 | 0.020 | " | 0.200 | | 95.5 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.210 | 0.020 | " | 0.200 | | 105 | 70-130 | | | |
| Fluoranthene | 0.213 | 0.020 | " | 0.200 | | 107 | 70-130 | | | |
| Fluorene | 0.225 | 0.020 | " | 0.200 | | 113 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.238 | 0.020 | " | 0.200 | | 119 | 70-130 | | | |
| Naphthalene | 0.210 | 0.002 | " | 0.200 | | 105 | 70-130 | | | |
| Phenanthrene | 0.197 | 0.020 | " | 0.200 | | 98.7 | 70-130 | | | |
| Pyrene | 0.196 | 0.020 | " | 0.200 | | 98.0 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 106 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.4 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 96.9 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 103 | 60-130 | | | |

Matrix Spike (B3L1334-MS1)

Source: Y312388-01

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|----|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.207 | 0.002 | mg/kg | 0.200 | ND | 103 | 70-130 | | | |
| 2-Methylnaphthalene | 0.209 | 0.002 | " | 0.200 | ND | 105 | 70-130 | | | |
| Acenaphthene | 0.202 | 0.020 | " | 0.200 | ND | 101 | 70-130 | | | |
| Anthracene | 0.221 | 0.020 | " | 0.200 | ND | 110 | 70-130 | | | |
| Benzo (a) anthracene | 0.194 | 0.005 | " | 0.200 | ND | 97.0 | 70-130 | | | |
| Benzo (a) pyrene | 0.209 | 0.020 | " | 0.200 | ND | 105 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.189 | 0.020 | " | 0.200 | ND | 94.6 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.218 | 0.020 | " | 0.200 | ND | 109 | 70-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1334 - EPA 3580

| Matrix Spike (B3L1334-MS1) | | Source: Y312388-01 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.163 | 0.020 | mg/kg | 0.200 | ND | 81.4 | 70-130 | | | |
| Chrysene | 0.197 | 0.020 | " | 0.200 | ND | 98.7 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.202 | 0.020 | " | 0.200 | ND | 101 | 70-130 | | | |
| Fluoranthene | 0.211 | 0.020 | " | 0.200 | 0.0009 | 105 | 70-130 | | | |
| Fluorene | 0.223 | 0.020 | " | 0.200 | ND | 112 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.226 | 0.020 | " | 0.200 | ND | 113 | 70-130 | | | |
| Naphthalene | 0.207 | 0.002 | " | 0.200 | ND | 104 | 70-130 | | | |
| Phenanthrene | 0.195 | 0.020 | " | 0.200 | ND | 97.5 | 70-130 | | | |
| Pyrene | 0.193 | 0.020 | " | 0.200 | ND | 96.3 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 105 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.4 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 96.5 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 102 | 60-130 | | | |

| Matrix Spike Dup (B3L1334-MSD1) | | Source: Y312388-01 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| 1-Methylnaphthalene | 0.210 | 0.002 | mg/kg | 0.200 | ND | 105 | 70-130 | 1.65 | 20 | |
| 2-Methylnaphthalene | 0.209 | 0.002 | " | 0.200 | ND | 104 | 70-130 | 0.352 | 20 | |
| Acenaphthene | 0.202 | 0.020 | " | 0.200 | ND | 101 | 70-130 | 0.161 | 20 | |
| Anthracene | 0.184 | 0.020 | " | 0.200 | ND | 92.2 | 70-130 | 17.9 | 20 | |
| Benzo (a) anthracene | 0.195 | 0.005 | " | 0.200 | ND | 97.7 | 70-130 | 0.707 | 20 | |
| Benzo (a) pyrene | 0.209 | 0.020 | " | 0.200 | ND | 104 | 70-130 | 0.170 | 20 | |
| Benzo (b) fluoranthene | 0.193 | 0.020 | " | 0.200 | ND | 96.3 | 70-130 | 1.78 | 20 | |
| Benzo (g,h,i) perylene | 0.211 | 0.020 | " | 0.200 | ND | 106 | 70-130 | 3.27 | 20 | |
| Benzo (k) fluoranthene | 0.165 | 0.020 | " | 0.200 | ND | 82.5 | 70-130 | 1.40 | 20 | |
| Chrysene | 0.188 | 0.020 | " | 0.200 | ND | 93.9 | 70-130 | 4.98 | 20 | |
| Dibenz (a,h) anthracene | 0.202 | 0.020 | " | 0.200 | ND | 101 | 70-130 | 0.136 | 20 | |
| Fluoranthene | 0.210 | 0.020 | " | 0.200 | 0.0009 | 104 | 70-130 | 0.579 | 20 | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1334 - EPA 3580

| Matrix Spike Dup (B3L1334-MSD1) | | Source: Y312388-01 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|------|----|--|
| Fluorene | 0.210 | 0.020 | mg/kg | 0.200 | ND | 105 | 70-130 | 6.04 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.219 | 0.020 | " | 0.200 | ND | 110 | 70-130 | 3.10 | 20 | |
| Naphthalene | 0.201 | 0.002 | " | 0.200 | ND | 101 | 70-130 | 2.85 | 20 | |
| Phenanthrene | 0.192 | 0.020 | " | 0.200 | ND | 96.1 | 70-130 | 1.39 | 20 | |
| Pyrene | 0.189 | 0.020 | " | 0.200 | ND | 94.7 | 70-130 | 1.67 | 20 | |
| Surrogate: Fluorene-d10 | 220 | | ug/kg | 200 | | 108 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 97.1 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 95.7 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 102 | 60-130 | | | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1340 - NO PREP | | | | | | | | | | |
| Blank (B3L1340-BLK1) | | | | | Prepared: 12/13/2023 Analyzed: 12/15/2023 | | | | | |
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
| LCS (B3L1340-BS1) | | | | | Prepared: 12/13/2023 Analyzed: 12/15/2023 | | | | | |
| Total Dissolved Solids | 1100 | 5.00 | mg/L | 1090 | | 101 | 90-110 | | | |
| Duplicate (B3L1340-DUP1) | | | | | Source: Y312361-16 Prepared: 12/13/2023 Analyzed: 12/15/2023 | | | | | |
| Total Dissolved Solids | 704 | 5.00 | mg/L | | 696 | | | 1.14 | 10 | |
| Batch B3L1406 - Filter .45um non acidified | | | | | | | | | | |
| Blank (B3L1406-BLK1) | | | | | Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
| Chloride | ND | 0.250 | mg/L | | | | | | | |
| Sulfate | ND | 0.250 | " | | | | | | | |
| LCS (B3L1406-BS1) | | | | | Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
| Chloride | 4.00 | 0.250 | mg/L | 4.00 | | 100 | 90-110 | | | |
| Sulfate | 3.97 | 0.250 | " | 4.00 | | 99.2 | 90-110 | | | |
| Matrix Spike (B3L1406-MS1) | | | | | Source: Y312239-05 Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
| Chloride | 918 | | mg/L | 500 | 415 | 101 | 90-110 | | | |
| Sulfate | 772 | | " | 500 | 267 | 101 | 90-110 | | | |
| Matrix Spike Dup (B3L1406-MSD1) | | | | | Source: Y312239-05 Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
| Chloride | 912 | | mg/L | 500 | 415 | 99.5 | 90-110 | 0.669 | 5 | |
| Sulfate | 768 | | " | 500 | 267 | 100 | 90-110 | 0.487 | 5 | |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1408 - DTPA Sorbitol Preparation | | | | | | | | | | |
| Blank (B3L1408-BLK1) | | | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Boron | ND | 0.100 | mg/L | | | | | | | |
| Duplicate (B3L1408-DUP1) | | | | | Source: Y312367-01 Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Boron | 0.128 | 0.100 | mg/L | | 0.134 | | | 4.43 | 50 | |
| Batch B3L1409 - DTPA Sorbitol Preparation | | | | | | | | | | |
| Blank (B3L1409-BLK1) | | | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Boron | ND | 0.100 | mg/L | | | | | | | |
| Duplicate (B3L1409-DUP1) | | | | | Source: Y312388-04 Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Boron | 0.180 | 0.0989 | mg/L | | 0.199 | | | 10.0 | 50 | |

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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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.

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

December 27, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Junction 11,12,22-2 O SA Facility **Project Number - 09A1417263**

Attached are your analytical results for KMG - Junction 11,12,22-2 O SA Facility received by Origins Laboratory, Inc. December 14, 2023. This project is associated with Origins project number Y312443-01.

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-------------------------|------------------|
| E05@6' | Y312443-01 | Soil | December 14, 2023 9:00 | 12/14/2023 16:00 |
| TP04@4' | Y312443-02 | Soil | December 14, 2023 10:00 | 12/14/2023 16:00 |
| TP05@3' | Y312443-04 | Soil | December 14, 2023 10:20 | 12/14/2023 16:00 |
| TP06@3' | Y312443-06 | Soil | December 14, 2023 10:40 | 12/14/2023 16:00 |
| TP07@3' | Y312443-08 | Soil | December 14, 2023 11:00 | 12/14/2023 16:00 |
| TP04-GW01 | Y312443-10 | Water | December 14, 2023 10:10 | 12/14/2023 16:00 |
| TP05-GW01 | Y312443-11 | Water | December 14, 2023 10:30 | 12/14/2023 16:00 |
| TP06-GW01 | Y312443-12 | Water | December 14, 2023 10:50 | 12/14/2023 16:00 |
| TP07-GW01 | Y312443-13 | Water | December 14, 2023 11:20 | 12/14/2023 16:00 |

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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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

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

ORIGINS
LABORATORY, INC

INITIAL ☐ IMPACTED ☒ **312443**

www.originslaboratory.com

Client: Ensolum LLC
Address:
Telephone Number:
Email Address: KMG Team

Project Manager: Jeremy Espinoza
Project Name: Junction 11,12,22-2 O SA Facility
Project Number: 09A1417263
Samples Collected By: Allen Thompson

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | | Full Table 915-1 | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------------------|--|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | | |
| E0606' | 12-14-23 | 900 | 3 | X | | | | | X | 1,2,4,6,8,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1027,1028,1029,1030,1031,1032,1033,1034,1035,1036,1037,1038,1039,1040,1041,1042,1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053,1054,1055,1056,1057,1058,1059,1060,1061,1062,1063,1064,1065,1066,1067,1068,1069,1070,1071,1072,1073,1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1109,1110,1111,1112,1113,1114,1115,1116,1117,1118,1119,1120,1121,1122,1123,1124,1125,1126,1127,1128,1129,1130,1131,1132,1133,1134,1135,1136,1137,1138,1139,1140,1141,1142,1143,1144,1145,1146,1147,1148,1149,1150,1151,1152,1153,1154,1155,1156,1157,1158,1159,1160,1161,1162,1163,1164,1165,1166,1167,1168,1169,1170,1171,1172,1173,1174,1175,1176,1177,1178,1179,1180,1181,1182,1183,1184,1185,1186,1187,1188,1189,1190,1191,1192,1193,1194,1195,1196,1197,1198,1199,1200,1201,1202,1203,1204,1205,1206,1207,1208,1209,1210,1211,1212,1213,1214,1215,1216,1217,1218,1219,1220,1221,1222,1223,1224,1225,1226,1227,1228,1229,1230,1231,1232,1233,1234,1235,1236,1237,1238,1239,1240,1241,1242,1243,1244,1245,1246,1247,1248,1249,1250,1251,1252,1253,1254,1255,1256,1257,1258,1259,1260,1261,1262,1263,1264,1265,1266,1267,1268,1269,1270,1271,1272,1273,1274,1275,1276,1277,1278,1279,1280,1281,1282,1283,1284,1285,1286,1287,1288,1289,1290,1291,1292,1293,1294,1295,1296,1297,1298,1299,1300,1301,1302,1303,1304,1305,1306,1307,1308,1309,1310,1311,1312,1313,1314,1315,1316,1317,1318,1319,1320,1321,1322,1323,1324,1325,1326,1327,1328,1329,1330,1331,1332,1333,1334,1335,1336,1337,1338,1339,1340,1341,1342,1343,1344,1345,1346,1347,1348,1349,1350,1351,1352,1353,1354,1355,1356,1357,1358,1359,1360,1361,1362,1363,1364,1365,1366,1367,1368,1369,1370,1371,1372,1373,1374,1375,1376,1377,1378,1379,1380,1381,1382,1383,1384,1385,1386,1387,1388,1389,1390,1391,1392,1393,1394,1395,1396,1397,1398,1399,1400,1401,1402,1403,1404,1405,1406,1407,1408,1409,1410,1411,1412,1413,1414,1415,1416,1417,1418,1419,1420,1421,1422,1423,1424,1425,1426,1427,1428,1429,1430,1431,1432,1433,1434,1435,1436,1437,1438,1439,1440,1441,1442,1443,1444,1445,1446,1447,1448,1449,1450,1451,1452,1453,1454,1455,1456,1457,1458,1459,1460,1461,1462,1463,1464,1465,1466,1467,1468,1469,1470,1471,1472,1473,1474,1475,1476,1477,1478,1479,1480,1481,1482,1483,1484,1485,1486,1487,1488,1489,1490,1491,1492,1493,1494,1495,1496,1497,1498,1499,1500,1501,1502,1503,1504,1505,1506,1507,1508,1509,1510,1511,1512,1513,1514,1515,1516,1517,1518,1519,1520,1521,1522,1523,1524,1525,1526,1527,1528,1529,1530,1531,1532,1533,1534,1535,1536,1537,1538,1539,1540,1541,1542,1543,1544,1545,1546,1547,1548,1549,1550,1551,1552,1553,1554,1555,1556,1557,1558,1559,1560,1561,1562,1563,1564,1565,1566,1567,1568,1569,1570,1571,1572,1573,1574,1575,1576,1577,1578,1579,1580,1581,1582,1583,1584,1585,1586,1587,1588,1589,1590,1591,1592,1593,1594,1595,1596,1597,1598,1599,1600,1601,1602,1603,1604,1605,1606,1607,1608,1609,1610,1611,1612,1613,1614,1615,1616,1617,1618,1619,1620,1621,1622,1623,1624,1625,1626,1627,1628,1629,1630,1631,1632,1633,1634,1635,1636,1637,1638,1639,1640,1641,1642,1643,1644,1645,1646,1647,1648,1649,1650,1651,1652,1653,1654,1655,1656,1657,1658,1659,1660,1661,1662,1663,1664,1665,1666,1667,1668,1669,1670,1671,1672,1673,1674,1675,1676,1677,1678,1679,1680,1681,1682,1683,1684,1685,1686,1687,1688,1689,1690,1691,1692,1693,1694,1695,1696,1697,1698,1699,1700,1701,1702,1703,1704,1705,1706,1707,1708,1709,1710,1711,1712,1713,1714,1715,1716,1717,1718,1719,1720,1721,1722,1723,1724,1725,1726,1727,1728,1729,1730,1731,1732,1733,1734,1735,1736,1737,1738,1739,1740,1741,1742,1743,1744,1745,1746,1747,1748,1749,1750,1751,1752,1753,1754,1755,1756,1757,1758,1759,1760,1761,1762,1763,1764,1765,1766,1767,1768,1769,1770,1771,1772,1773,1774,1775,1776,1777,1778,1779,1780,1781,1782,1783,1784,1785,1786,1787,1788,1789,1790,1791,1792,1793,1794,1795,1796,1797,1798,1799,1800,1801,1802,1803,1804,1805,1806,1807,1808,1809,1810,1811,1812,1813,1814,1815,1816,1817,1818,1819,1820,1821,1822,1823,1824,1825,1826,1827,1828,1829,1830,1831,1832,1833,1834,1835,1836,1837,1838,1839,1840,1841,1842,1843,1844,1845,1846,1847,1848,1849,1850,1851,1852,1853,1854,1855,1856,1857,1858,1859,1860,1861,1862,1863,1864,1865,1866,1867,1868,1869,1870,1871,1872,1873,1874,1875,1876,1877,1878,1879,1880,1881,1882,1883,1884,1885,1886,1887,1888,1889,1890,1891,1892,1893,1894,1895,1896,1897,1898,1899,1900,1901,1902,1903,1904,1905,1906,1907,1908,1909,1910,1911,1912,1913,1914,1915,1916,1917,1918,1919,1920,1921,1922,1923,1924,1925,1926,1927,1928,1929,1930,1931,1932,1933,1934,1935,1936,1937,1938,1939,1940,1941,1942,1943,1944,1945,1946,1947,1948,1949,1950,1951,1952,1953,1954,1955,1956,1957,1958,1959,1960,1961,1962,1963,1964,1965,1966,1967,1968,1969,1970,1971,1972,1973,1974,1975,1976,1977,1978,1979,1980,1981,1982,1983,1984,1985,1986,1987,1988,1989,1990,1991,1992,1993,1994,1995,1996,1997,1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022,2023,2024,2025,2026,2027,2028,2029,2030,2031,2032,2033,2034,2035,2036,2037,2038,2039,2040,2041,2042,2043,2044,2045,2046,2047,2048,2049,2050,2051,2052,2053,2054,2055,2056,2057,2058,2059,2060,2061,2062,2063,2064,2065,2066,2067,2068,2069,2070,2071,2072,2073,2074,2075,2076,2077,2078,2079,2080,2081,2082,2083,2084,2085,2086,2087,2088,2089,2090,2091,2092,2093,2094,2095,2096,2097,2098,2099,2100,2101,2102,2103,2104,2105,2106,2107,2108,2109,2110,2111,2112,2113,2114,2115,2116,2117,2118,2119,2120,2121,2122,2123,2124,2125,2126,2127,2128,2129,2130,2131,2132,2133,2134,2135,2136,2137,2138,2139,2140,2141,2142,2143,2144,2145,2146,2147,2148,2149,2150,2151,2152,2153,2154,2155,2156,2157,2158,2159,2160,2161,2162,2163,2164,2165,2166,2167,2168,2169,2170,2171,2172,2173,2174,2175,2176,2177,2178,2179,2180,2181,2182,2183,2184,2185,2186,2187,2188,2189,2190,2191,2192,2193,2194,2195,2196,2197,2198,2199,2200,2201,2202,2203,2204,2205,2206,2207,2208,2209,2210,2211,2212,2213,2214,2215,2216,2217,2218,2219,2220,2221,2222,2223,2224,2225,2226,2227,2228,2229,2230,2231,2232,2233,2234,2235,2236,2237,2238,2239,2240,2241,2242,2243,2244,2245,2246,2247,2248,2249,2250,2251,2252,2253,2254,2255,2256,2257,2258,2259,2260,2261,2262,2263,2264,2265,2266,2267,2268,2269,2270,2271,2272,2273,2274,2275,2276,2277,2278,2279,2280,2281,2282,2283,2284,2285,2286,2287,2288,2289,2290,2291,2292,2293,2294,2295,2296,2297,2298,2299,2300,2301,2302,2303,2304,2305,2306,2307,2308,2309,2310,2311,2312,2313,2314,2315,2316,2317,2318,2319,2320,2321,2322,2323,2324,2325,2326,2327,2328,2329,2330,2331,2332,2333,2334,2335,2336,2337,2338,2339,2340,2341,2342,2343,2344,2345,2346,2347,2348,2349,2350,2351,2352,2353,2354,2355,2356,2357,2358,2359,2360,2361,2362,2363,2364,2365,2366,2367,2368,2369,2370,2371,2372,2373,2374,2375,2376,2377,2378,2379,2380,2381,2382,2383,2384,2385,2386,2387,2388,2389,2390,2391,2392,2393,2394,2395,2396,2397,2398,2399,2400,2401,2402,2403,2404,2405,2406,2407,2408,2409,2410,2411,2412,2413,2414,2415,2416,2417,2418,2419,2420,2421,2422,2423,2424,2425,2426,2427,2428,2429,2430,2431,2432,2433,2434,2435,2436,2437,2438,2439,2440,2441,2442,2443,2444,2445,2446,2447,2448,2449,2450,2451,2452,2453,2454,2455,2456,2457,2458,2459,2460,2461,2462,2463,2464,2465,2466,2467,2468,2469,2470,2471,2472,2473,2474,2475,2476,2477,2478,2479,2480,2481,2482,2483,2484,2485,2486,2487,2488,2489,2490,2491,2492,2493,2494,2495,2496,2497,2498,2499,2500,2501,2502,2503,2504,2505,2506,2507,2508,2509,2510,2511,2512,2513,2514,2515,2516,2517,2518,2519,2520,2521,2522,2523,2524,2525,2526,2527,2528,2529,2530,2531,2532,2533,2534,2535,2536,2537,25 |

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

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

ORIGINS LABORATORY, INC

INITIAL ☐ IMPACTED ☒

www.originslaboratory.com

Client: Ensolum LLC

Project Manager: Jeremy Espinoza

Address: _____

Project Name: Junction 11,12,22-2 O SA Facility

Telephone Number: _____

Project Number: 09A1417263

Email Address: KMG Team

Samples Collected By: Glen Thompson

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Full Table 915-1 | TTH-GRO/DRO/DRO | EC/pH/SAR/Boron (SP) | TDS, ANIONS | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|------------------|-----------------|----------------------|-------------|---------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | | | | | |
| TR05-GW01 | 12-14-23 | 1030 | 4 | X | | | | X | | | | 1 |
| TR06-GW01 | | 1050 | 4 | X | | | | X | | | | 2 |
| TR07-GW01 | | 1120 | 4 | X | | | | X | | | | 3 |
| TR08-GW01 | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | 5 |
| | | | | | | | | | | | | 6 |
| | | | | | | | | | | | | 7 |
| | | | | | | | | | | | | 8 |
| | | | | | | | | | | | | 9 |
| | | | | | | | | | | | | 10 |

Relinquished By: _____ Date: 12-14-23 Time: 1000

Received By: _____ Date: 12/14/23 Time: 1000

Turnaround Time: ☐ 48 Hr ☐ 24 Hr ☐ 72 Hr

Date Results Needed: 4.5

Origins Laboratory, Inc.

J. Bynon

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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: UB1244B

Client: Ensolum

Client Project ID: Junction

Checklist Completed by: WH/ERS

Shipped Via: TD

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

Date/time completed: 12/14/23

Airbill #: N/A

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

Cooler Number/Temperature: 1,45 °C _____ °C _____ °C (Describe) _____ °C

Thermometer ID: 1004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|--------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <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 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 checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <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 checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <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 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 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 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 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.

Jeremy Espinoza
Reviewed by (Project Manager)

12/14/23
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E05@6'

12/14/2023 9:00:00AM

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

Origins Laboratory, Inc.
Y312443-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 1.11 | 0.0992 | mg/L | 1 | B3L1514 | KAP | 12/15/2023 | 12/18/2023 | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1434 | HKS | 12/14/2023 | 12/15/2023 | U |
|------------------------|----|---------|-------|---|---------|-----|------------|------------|---|

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 113 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 89.6 % | 70-130 | | | " | " | " |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B3L1424 | Windo | 12/14/2023 | 12/15/2023 | U |
| 2-Methylnaphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Acenaphthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (a) anthracene | ND | 0.005 | " | " | " | Windo | " | " | U |
| Benzo (a) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Chrysene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Fluoranthene | ND | 0.020 | " | " | " | Windo | " | " | U |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

E05@6'

12/14/2023 9:00:00AM

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

Origins Laboratory, Inc.
Y312443-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|-------|-------|---|---------|-------|------------|------------|---|
| Fluorene | ND | 0.020 | mg/kg | 1 | B3L1424 | Windo | 12/14/2023 | 12/15/2023 | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |
| Naphthalene | ND | 0.002 | " | " | " | Windo | " | " | U |
| Pyrene | ND | 0.020 | " | " | " | Windo | " | " | U |

| | | | | | |
|---------------------------------|--------|--------|---|---|---|
| Surrogate: Fluorene-d10 | 108 % | 60-130 | " | " | " |
| Surrogate: Anthracene-d10 | 95.9 % | 60-130 | " | " | " |
| Surrogate: Pyrene-d10 | 96.8 % | 60-130 | " | " | " |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | 60-130 | " | " | " |

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.50 | 0.0959 | mg/kg | 10 | B3L1448 | HJD | 12/14/2023 | 12/15/2023 |
| Barium | 296 | 9.59 | " | " | " | HJD | " | " |
| Cadmium | 0.221 | 0.0959 | " | " | " | HJD | " | " |
| Copper | 17.1 | 9.59 | " | " | " | HJD | " | " |
| Lead | 15.6 | 0.959 | " | " | " | HJD | " | " |
| Nickel | 19.4 | 0.959 | " | " | " | HJD | " | " |
| Selenium | 0.321 | 0.0959 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP04@4'

12/14/2023 10:00:00AM

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

Origins Laboratory, Inc.
Y312443-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 1.89 | 0.0995 | mg/L | 1 | B3L1514 | KAP | 12/15/2023 | 12/18/2023 | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1403 | ZZZ | 12/14/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 91.2 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1434 | HKS | 12/14/2023 | 12/15/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HKS | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 114 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 89.9 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP04@4'

12/14/2023 10:00:00AM

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

Origins Laboratory, Inc.
Y312443-02 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 12.6 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/15/2023 | 12/18/2023 |
| Magnesium | 16.4 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 59.1 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 15.5 | 0.0100 | SAR | 1 | B3L1510 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.70 | 0.0930 | mg/kg | 10 | B3L1448 | HJD | 12/14/2023 | 12/15/2023 |
| Barium | 290 | 9.30 | " | " | " | HJD | " | " |
| Cadmium | 0.302 | 0.0930 | " | " | " | HJD | " | " |
| Copper | 20.4 | 9.30 | " | " | " | HJD | " | " |
| Lead | 21.2 | 0.930 | " | " | " | HJD | " | " |
| Nickel | 21.5 | 0.930 | " | " | " | HJD | " | " |
| Selenium | 0.284 | 0.0930 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP05@3'

12/14/2023 10:20:00AM

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

Origins Laboratory, Inc.
Y312443-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 1.10 | 0.101 | mg/L | 1 | B3L1514 | KAP | 12/15/2023 | 12/18/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1403 | ZZZ | 12/14/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 85.3 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1434 | HKS | 12/14/2023 | 12/15/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HKS | " | " | U |

| | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " |
| Surrogate: Toluene-d8 | 104 % | 70-130 | | | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 91.4 % | 70-130 | | | " | " | " |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP05@3'

12/14/2023 10:20:00AM

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

Origins Laboratory, Inc.
Y312443-04 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 0.879 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/15/2023 | 12/18/2023 |
| Magnesium | 1.15 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 3.70 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 3.68 | 0.0100 | SAR | 1 | B3L1510 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.97 | 0.0914 | mg/kg | 10 | B3L1448 | HJD | 12/14/2023 | 12/15/2023 |
| Barium | 217 | 9.14 | " | " | " | HJD | " | " |
| Cadmium | 0.272 | 0.0914 | " | " | " | HJD | " | " |
| Copper | 18.1 | 9.14 | " | " | " | HJD | " | " |
| Lead | 19.1 | 0.914 | " | " | " | HJD | " | " |
| Nickel | 20.1 | 0.914 | " | " | " | HJD | " | " |
| Selenium | 0.269 | 0.0914 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP06@3'

12/14/2023 10:40:00AM

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

Origins Laboratory, Inc.

Y312443-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.226 | 0.101 | mg/L | 1 | B3L1514 | KAP | 12/15/2023 | 12/18/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1403 | ZZZ | 12/14/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 93.5 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1434 | HKS | 12/14/2023 | 12/15/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HKS | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 109 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 102 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 91.2 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP06@3'

12/14/2023 10:40:00AM

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

Origins Laboratory, Inc.

Y312443-06 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 1.25 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/15/2023 | 12/18/2023 |
| Magnesium | 1.66 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 10.1 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 8.34 | 0.0100 | SAR | 1 | B3L1510 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 2.38 | 0.0882 | mg/kg | 10 | B3L1450 | HJD | 12/14/2023 | 12/15/2023 |
| Barium | 39.4 | 8.82 | " | " | " | HJD | " | " |
| Cadmium | ND | 0.0882 | " | " | " | HJD | " | " |
| Copper | ND | 8.82 | " | " | " | HJD | " | " |
| Lead | 5.40 | 0.882 | " | " | " | HJD | " | " |
| Nickel | 7.45 | 0.882 | " | " | " | HJD | " | " |
| Selenium | ND | 0.0882 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP07@3'

12/14/2023 11:00:00AM

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

Origins Laboratory, Inc.
Y312443-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 1.03 | 0.0982 | mg/L | 1 | B3L1514 | KAP | 12/15/2023 | 12/18/2023 | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1403 | ZZZ | 12/14/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 88.6 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1434 | HKS | 12/14/2023 | 12/15/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | HKS | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | HKS | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 113 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 103 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 91.8 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP07@3'

12/14/2023 11:00:00AM

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

Origins Laboratory, Inc.
Y312443-08 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 21.9 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/15/2023 | 12/18/2023 |
| Magnesium | 16.1 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 28.4 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 6.52 | 0.0100 | SAR | 1 | B3L1511 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.85 | 0.0948 | mg/kg | 10 | B3L1450 | HJD | 12/14/2023 | 12/15/2023 |
| Barium | 159 | 9.48 | " | " | " | HJD | " | " |
| Cadmium | 0.191 | 0.0948 | " | " | " | HJD | " | " |
| Copper | 14.2 | 9.48 | " | " | " | HJD | " | " |
| Lead | 15.9 | 0.948 | " | " | " | HJD | " | " |
| Nickel | 16.8 | 0.948 | " | " | " | HJD | " | " |
| Selenium | 0.302 | 0.0948 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP04-GW01

12/14/2023 10:10:00AM

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

Origins Laboratory, Inc. Y312443-10 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 136 | 31.2 | mg/L | 125 | B3L1507 | STW | 12/15/2023 | 12/15/2023 | |
| Sulfate | 552 | 31.2 | " | " | " | STW | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3L1333 | JSM | 12/14/2023 | 12/14/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

99.7 % 70-130

"

"

"

Surrogate: Toluene-d8

100 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

106 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|
| Total Dissolved Solids | 1490 | 5.00 | mg/L | 1 | B3L1437 | KRM | 12/14/2023 | 12/15/2023 | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP05-GW01

12/14/2023 10:30:00AM

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

Origins Laboratory, Inc. Y312443-11 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 134 | 31.2 | mg/L | 125 | B3L1507 | STW | 12/15/2023 | 12/15/2023 | |
| Sulfate | 401 | 31.2 | " | " | " | STW | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3L1333 | JSM | 12/14/2023 | 12/14/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

98.3 % 70-130

"

"

"

Surrogate: Toluene-d8

102 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

104 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|
| Total Dissolved Solids | 1130 | 5.00 | mg/L | 1 | B3L1437 | KRM | 12/14/2023 | 12/15/2023 | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP06-GW01

12/14/2023 10:50:00AM

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

Origins Laboratory, Inc. Y312443-12 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 128 | 31.2 | mg/L | 125 | B3L1507 | STW | 12/15/2023 | 12/16/2023 | |
| Sulfate | 578 | 31.2 | " | " | " | STW | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3L1333 | JSM | 12/14/2023 | 12/14/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

100 % 70-130

"

"

"

Surrogate: Toluene-d8

102 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

103 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|
| Total Dissolved Solids | 2680 | 5.00 | mg/L | 1 | B3L1437 | KRM | 12/14/2023 | 12/15/2023 | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

TP07-GW01

12/14/2023 11:20:00AM

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

Origins Laboratory, Inc. Y312443-13 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|-----|------|------|-----|---------|-----|------------|------------|--|
| Chloride | 110 | 31.2 | mg/L | 125 | B3L1507 | STW | 12/15/2023 | 12/16/2023 | |
| Sulfate | 488 | 31.2 | " | " | " | STW | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|----|------|------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | 1 | B3L1333 | JSM | 12/14/2023 | 12/14/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Benzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 2.00 | " | " | " | JSM | " | " | U |
| Toluene | ND | 1.00 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | JSM | " | " | U |

Surrogate: 1,2-Dichloroethane-d4

99.4 % 70-130

"

"

"

Surrogate: Toluene-d8

103 % 70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

103 % 70-130

"

"

"

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|
| Total Dissolved Solids | 1220 | 5.00 | mg/L | 1 | B3L1437 | KRM | 12/14/2023 | 12/15/2023 | |
|------------------------|------|------|------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1333 - EPA 5030B (Water)

Blank (B3L1333-BLK1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|----------------------------------|----|------|------|------|--|------|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/L | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | | | | | | | U |
| Benzene | ND | 1.00 | " | | | | | | | U |
| Ethylbenzene | ND | 1.00 | " | | | | | | | U |
| Naphthalene | ND | 2.00 | " | | | | | | | U |
| Toluene | ND | 1.00 | " | | | | | | | U |
| Xylenes, total | ND | 1.00 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 64 | | " | 62.5 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 64 | | " | 62.5 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 62 | | " | 62.5 | | 98.7 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1333 - EPA 5030B (Water)

LCS (B3L1333-BS1)

Prepared: 12/13/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 52.5 | 2.00 | ug/L | 50.0 | | 105 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 53.3 | 2.00 | " | 50.0 | | 107 | 70-130 | | | |
| Benzene | 49.5 | 1.00 | " | 50.0 | | 98.9 | 70-130 | | | |
| Ethylbenzene | 52.2 | 1.00 | " | 50.0 | | 104 | 70-130 | | | |
| m,p-Xylene | 105 | 2.00 | " | 100 | | 105 | 70-130 | | | |
| Naphthalene | 49.8 | 2.00 | " | 50.0 | | 99.6 | 70-130 | | | |
| o-Xylene | 51.1 | 1.00 | " | 50.0 | | 102 | 70-130 | | | |
| Toluene | 51.4 | 1.00 | " | 50.0 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 58 | | " | 62.5 | | 92.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 65 | | " | 62.5 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64 | | " | 62.5 | | 102 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1333 - EPA 5030B (Water)

| Matrix Spike (B3L1333-MS1) | | Source: Y312348-06 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 48.1 | 2.00 | ug/L | 50.0 | ND | 96.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 48.8 | 2.00 | " | 50.0 | ND | 97.7 | 70-130 | | | |
| Benzene | 44.3 | 1.00 | " | 50.0 | ND | 88.6 | 70-130 | | | |
| Ethylbenzene | 49.5 | 1.00 | " | 50.0 | ND | 99.0 | 70-130 | | | |
| m,p-Xylene | 96.7 | 2.00 | " | 100 | ND | 96.7 | 70-130 | | | |
| Naphthalene | 45.9 | 2.00 | " | 50.0 | ND | 91.8 | 70-130 | | | |
| o-Xylene | 47.1 | 1.00 | " | 50.0 | ND | 94.2 | 70-130 | | | |
| Toluene | 46.7 | 1.00 | " | 50.0 | ND | 93.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 58 | | " | 62.5 | | 93.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 97.3 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1333 - EPA 5030B (Water)

| Matrix Spike Dup (B3L1333-MSD1) | | Source: Y312348-06 | | | Prepared: 12/13/2023 Analyzed: 12/14/2023 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 53.2 | 2.00 | ug/L | 50.0 | ND | 106 | 70-130 | 10.1 | 20 | |
| 1,3,5-Trimethylbenzene | 53.1 | 2.00 | " | 50.0 | ND | 106 | 70-130 | 8.40 | 20 | |
| Benzene | 47.4 | 1.00 | " | 50.0 | ND | 94.8 | 70-130 | 6.70 | 20 | |
| Ethylbenzene | 53.9 | 1.00 | " | 50.0 | ND | 108 | 70-130 | 8.55 | 20 | |
| m,p-Xylene | 103 | 2.00 | " | 100 | ND | 103 | 70-130 | 6.68 | 20 | |
| Naphthalene | 51.1 | 2.00 | " | 50.0 | ND | 102 | 70-130 | 10.7 | 20 | |
| o-Xylene | 51.3 | 1.00 | " | 50.0 | ND | 103 | 70-130 | 8.42 | 20 | |
| Toluene | 49.5 | 1.00 | " | 50.0 | ND | 99.0 | 70-130 | 5.82 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 58 | | " | 62.5 | | 92.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 61 | | " | 62.5 | | 97.6 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1403 - EPA 3550B

Blank (B3L1403-BLK1)

Prepared: 12/14/2023 Analyzed: 12/14/2023

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

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1403 - EPA 3550B

LCS (B3L1403-BS1)

Prepared: 12/14/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 958 | 50.0 | mg/kg | 1000 | | 95.8 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1010 | 200 | " | 1000 | | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 49 | | " | 49.8 | | 99.4 | 50-150 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1403 - EPA 3550B

| Matrix Spike (B3L1403-MS1) | | Source: Y312441-01 | | | Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 912 | 50.0 | mg/kg | 1000 | ND | 91.2 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 985 | 200 | " | 1000 | ND | 98.5 | 70-130 | | | |
| Surrogate: o-Terphenyl | 51 | | " | 49.8 | | 103 | 50-150 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1403 - EPA 3550B

| Matrix Spike Dup (B3L1403-MSD1) | | Source: Y312441-01 | | | Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|-------|----|--|
| Diesel (C10-C28) | 915 | 50.0 | mg/kg | 1000 | ND | 91.5 | 70-130 | 0.405 | 35 | |
| Residual Range Organics (C28-C40) | 988 | 200 | " | 1000 | ND | 98.8 | 70-130 | 0.370 | 35 | |
| Surrogate: o-Terphenyl | 44 | | " | 49.8 | | 89.1 | 50-150 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1434 - EPA 5030 (soil)

Blank (B3L1434-BLK1)

Prepared: 12/14/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|---|
| 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 | 106 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | 103 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | 90.7 | | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1434 - EPA 5030 (soil)

LCS (B3L1434-BS1)

Prepared: 12/14/2023 Analyzed: 12/14/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.110 | 0.00200 | mg/kg | 0.100 | | 110 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.108 | 0.00200 | " | 0.100 | | 108 | 70-130 | | | |
| Benzene | 0.112 | 0.00200 | " | 0.100 | | 112 | 70-130 | | | |
| Ethylbenzene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | | | |
| Naphthalene | 0.112 | 0.00380 | " | 0.100 | | 112 | 70-130 | | | |
| Toluene | 0.119 | 0.00200 | " | 0.100 | | 119 | 70-130 | | | |
| o-Xylene | 0.0988 | 0.00200 | " | 0.100 | | 98.8 | 70-130 | | | |
| m,p-Xylene | 0.212 | 0.00400 | " | 0.200 | | 106 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.9 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.10 | | " | 0.125 | | 83.7 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1434 - EPA 5030 (soil)

| Matrix Spike (B3L1434-MS1) | | Source: Y312441-01 | | | Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0891 | 0.00200 | mg/kg | 0.100 | ND | 89.1 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0882 | 0.00200 | " | 0.100 | ND | 88.2 | 70-130 | | | |
| Benzene | 0.0909 | 0.00200 | " | 0.100 | 0.000880 | 90.0 | 70-130 | | | |
| Ethylbenzene | 0.0839 | 0.00200 | " | 0.100 | ND | 83.9 | 70-130 | | | |
| Naphthalene | 0.0899 | 0.00380 | " | 0.100 | ND | 89.9 | 70-130 | | | |
| Toluene | 0.0960 | 0.00200 | " | 0.100 | ND | 96.0 | 70-130 | | | |
| o-Xylene | 0.0812 | 0.00200 | " | 0.100 | ND | 81.2 | 70-130 | | | |
| m,p-Xylene | 0.172 | 0.00400 | " | 0.200 | ND | 85.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 84.4 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1434 - EPA 5030 (soil)

| Matrix Spike Dup (B3L1434-MSD1) | | Source: Y312441-01 | | | Prepared: 12/14/2023 Analyzed: 12/14/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0784 | 0.00200 | mg/kg | 0.100 | ND | 78.4 | 70-130 | 12.9 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0781 | 0.00200 | " | 0.100 | ND | 78.1 | 70-130 | 12.2 | 20 | |
| Benzene | 0.0828 | 0.00200 | " | 0.100 | 0.000880 | 81.9 | 70-130 | 9.30 | 20 | |
| Ethylbenzene | 0.0745 | 0.00200 | " | 0.100 | ND | 74.5 | 70-130 | 11.8 | 20 | |
| Naphthalene | 0.0851 | 0.00380 | " | 0.100 | ND | 85.1 | 70-130 | 5.53 | 20 | |
| Toluene | 0.0843 | 0.00200 | " | 0.100 | ND | 84.3 | 70-130 | 13.0 | 20 | |
| o-Xylene | 0.0721 | 0.00200 | " | 0.100 | ND | 72.1 | 70-130 | 11.9 | 20 | |
| m,p-Xylene | 0.154 | 0.00400 | " | 0.200 | ND | 76.9 | 70-130 | 11.1 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14 | | " | 0.125 | | 109 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 96.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 84.5 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1448 - EPA 3050B

Blank (B3L1448-BLK1)

Prepared: 12/14/2023 Analyzed: 12/15/2023

| | | | |
|----------|----|--------|-------|
| 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 | " |

LCS (B3L1448-BS1)

Prepared: 12/14/2023 Analyzed: 12/15/2023

| | | | | | | |
|----------|------|--------|-------|------|------|--------|
| Arsenic | 5.02 | 0.0100 | mg/kg | 5.00 | 100 | 80-120 |
| Barium | 507 | 1.00 | " | 500 | 101 | 80-120 |
| Cadmium | 5.08 | 0.0100 | " | 5.00 | 102 | 80-120 |
| Copper | 50.8 | 1.00 | " | 50.0 | 102 | 80-120 |
| Lead | 5.33 | 0.100 | " | 5.00 | 107 | 80-120 |
| Nickel | 5.06 | 0.100 | " | 5.00 | 101 | 80-120 |
| Selenium | 4.58 | 0.0100 | " | 5.00 | 91.6 | 80-120 |

Matrix Spike (B3L1448-MS1)

Source: Y312442-06

Prepared: 12/14/2023 Analyzed: 12/15/2023

| | | | | | | | | |
|---------|------|--------|-------|------|-------|-----|--------|-------|
| Arsenic | 10.1 | 0.0841 | mg/kg | 4.21 | 4.48 | 134 | 75-125 | QM-07 |
| Barium | 741 | 8.41 | " | 421 | 153 | 140 | 75-125 | QM-07 |
| Cadmium | 5.23 | 0.0841 | " | 4.21 | 0.195 | 120 | 75-125 | |
| Copper | 61.0 | 8.41 | " | 42.1 | 8.51 | 125 | 75-125 | |

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Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1448 - EPA 3050B

| Matrix Spike (B3L1448-MS1) | | Source: Y312442-06 | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|-------|----|-------|
| Lead | 17.6 | 0.841 | mg/kg | 4.21 | 11.4 | 147 | 75-125 | | | QM-07 |
| Nickel | 18.3 | 0.841 | " | 4.21 | 12.3 | 144 | 75-125 | | | QM-07 |
| Selenium | 5.92 | 0.0841 | " | 4.21 | 0.238 | 135 | 75-125 | | | QM-07 |
| Matrix Spike Dup (B3L1448-MSD1) | | Source: Y312442-06 | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Arsenic | 9.26 | 0.0955 | mg/kg | 4.77 | 4.48 | 100 | 75-125 | 8.90 | 20 | |
| Barium | 739 | 9.55 | " | 477 | 153 | 123 | 75-125 | 0.189 | 20 | |
| Cadmium | 5.44 | 0.0955 | " | 4.77 | 0.195 | 110 | 75-125 | 3.89 | 20 | |
| Copper | 62.6 | 9.55 | " | 47.7 | 8.51 | 113 | 75-125 | 2.65 | 20 | |
| Lead | 15.7 | 0.955 | " | 4.77 | 11.4 | 89.4 | 75-125 | 11.4 | 20 | |
| Nickel | 16.1 | 0.955 | " | 4.77 | 12.3 | 80.2 | 75-125 | 12.8 | 20 | |
| Selenium | 5.82 | 0.0955 | " | 4.77 | 0.238 | 117 | 75-125 | 1.73 | 20 | |

Batch B3L1450 - EPA 3050B

| Blank (B3L1450-BLK1) | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | | | | |
|----------------------|------|---|-------|------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| LCS (B3L1450-BS1) | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | | | | |
| Arsenic | 5.17 | 0.0100 | mg/kg | 5.00 | | 103 | 80-120 | | | |
| Barium | 497 | 1.00 | " | 500 | | 99.4 | 80-120 | | | |
| Cadmium | 5.10 | 0.0100 | " | 5.00 | | 102 | 80-120 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1450 - EPA 3050B | | | | | | | | | | |
| LCS (B3L1450-BS1) | | | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Copper | 50.1 | 1.00 | " | 50.0 | | 100 | 80-120 | | | |
| Lead | 5.27 | 0.100 | " | 5.00 | | 105 | 80-120 | | | |
| Nickel | 5.18 | 0.100 | " | 5.00 | | 104 | 80-120 | | | |
| Selenium | 4.84 | 0.0100 | " | 5.00 | | 96.9 | 80-120 | | | |
| Matrix Spike (B3L1450-MS1) | | | | | Source: Y312443-06 | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | |
| Arsenic | 8.22 | 0.0914 | mg/kg | 4.57 | 2.38 | 128 | 75-125 | | | QM-07 |
| Barium | 658 | 9.14 | " | 457 | 39.4 | 135 | 75-125 | | | QM-07 |
| Cadmium | 5.24 | 0.0914 | " | 4.57 | 0.0512 | 114 | 75-125 | | | |
| Copper | 58.1 | 9.14 | " | 45.7 | 3.90 | 119 | 75-125 | | | |
| Lead | 12.1 | 0.914 | " | 4.57 | 5.40 | 147 | 75-125 | | | QM-07 |
| Nickel | 14.0 | 0.914 | " | 4.57 | 7.45 | 144 | 75-125 | | | QM-07 |
| Selenium | 5.34 | 0.0914 | " | 4.57 | 0.0653 | 116 | 75-125 | | | |
| Matrix Spike Dup (B3L1450-MSD1) | | | | | Source: Y312443-06 | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | |
| Arsenic | 9.24 | 0.0889 | mg/kg | 4.45 | 2.38 | 154 | 75-125 | 11.7 | 20 | QM-07 |
| Barium | 685 | 8.89 | " | 445 | 39.4 | 145 | 75-125 | 4.07 | 20 | QM-07 |
| Cadmium | 5.28 | 0.0889 | " | 4.45 | 0.0512 | 118 | 75-125 | 0.740 | 20 | |
| Copper | 59.8 | 8.89 | " | 44.5 | 3.90 | 126 | 75-125 | 2.91 | 20 | QM-07 |
| Lead | 13.5 | 0.889 | " | 4.45 | 5.40 | 182 | 75-125 | 10.8 | 20 | QM-07 |
| Nickel | 15.7 | 0.889 | " | 4.45 | 7.45 | 187 | 75-125 | 11.4 | 20 | QM-07 |
| Selenium | 5.96 | 0.0889 | " | 4.45 | 0.0653 | 133 | 75-125 | 10.9 | 20 | QM-07 |

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1424 - EPA 3580

Blank (B3L1424-BLK1)

Prepared: 12/14/2023 Analyzed: 12/15/2023

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | U |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | U |
| Acenaphthene | ND | 0.020 | " | | | | | | | U |
| Anthracene | ND | 0.020 | " | | | | | | | U |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | U |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Chrysene | ND | 0.020 | " | | | | | | | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | U |
| Fluoranthene | ND | 0.020 | " | | | | | | | U |
| Fluorene | ND | 0.020 | " | | | | | | | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | U |
| Naphthalene | ND | 0.002 | " | | | | | | | U |
| Phenanthrene | ND | 0.020 | " | | | | | | | U |
| Pyrene | ND | 0.020 | " | | | | | | | U |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 106 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 98.5 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 100 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 98.5 | 60-130 | | | |

LCS (B3L1424-BS1)

Prepared: 12/14/2023 Analyzed: 12/15/2023

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.208 | 0.002 | mg/kg | 0.200 | | 104 | 70-130 | | | |
| 2-Methylnaphthalene | 0.204 | 0.002 | " | 0.200 | | 102 | 70-130 | | | |
| Acenaphthene | 0.199 | 0.020 | " | 0.200 | | 99.3 | 70-130 | | | |
| Anthracene | 0.216 | 0.020 | " | 0.200 | | 108 | 70-130 | | | |

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1424 - EPA 3580

LCS (B3L1424-BS1)

Prepared: 12/14/2023 Analyzed: 12/15/2023

| | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|
| Benzo (a) anthracene | 0.191 | 0.005 | mg/kg | 0.200 | | 95.5 | 70-130 |
| Benzo (a) pyrene | 0.209 | 0.020 | " | 0.200 | | 104 | 70-130 |
| Benzo (b) fluoranthene | 0.179 | 0.020 | " | 0.200 | | 89.6 | 70-130 |
| Benzo (g,h,i) perylene | 0.202 | 0.020 | " | 0.200 | | 101 | 70-130 |
| Benzo (k) fluoranthene | 0.166 | 0.020 | " | 0.200 | | 82.8 | 70-130 |
| Chrysene | 0.180 | 0.020 | " | 0.200 | | 90.1 | 70-130 |
| Dibenz (a,h) anthracene | 0.193 | 0.020 | " | 0.200 | | 96.6 | 70-130 |
| Fluoranthene | 0.198 | 0.020 | " | 0.200 | | 98.8 | 70-130 |
| Fluorene | 0.207 | 0.020 | " | 0.200 | | 103 | 70-130 |
| Indeno (1,2,3-cd) pyrene | 0.222 | 0.020 | " | 0.200 | | 111 | 70-130 |
| Naphthalene | 0.199 | 0.002 | " | 0.200 | | 99.5 | 70-130 |
| Phenanthrene | 0.185 | 0.020 | " | 0.200 | | 92.7 | 70-130 |
| Pyrene | 0.191 | 0.020 | " | 0.200 | | 95.7 | 70-130 |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 106 | 60-130 |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 97.6 | 60-130 |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 98.7 | 60-130 |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 101 | 60-130 |

Matrix Spike (B3L1424-MS1)

Source: Y312441-01

Prepared: 12/14/2023 Analyzed: 12/15/2023

| | | | | | | | |
|------------------------|-------|-------|-------|-------|----|------|--------|
| 1-Methylnaphthalene | 0.199 | 0.002 | mg/kg | 0.200 | ND | 99.7 | 70-130 |
| 2-Methylnaphthalene | 0.196 | 0.002 | " | 0.200 | ND | 98.0 | 70-130 |
| Acenaphthene | 0.193 | 0.020 | " | 0.200 | ND | 96.5 | 70-130 |
| Anthracene | 0.182 | 0.020 | " | 0.200 | ND | 91.1 | 70-130 |
| Benzo (a) anthracene | 0.192 | 0.005 | " | 0.200 | ND | 96.2 | 70-130 |
| Benzo (a) pyrene | 0.194 | 0.020 | " | 0.200 | ND | 97.0 | 70-130 |
| Benzo (b) fluoranthene | 0.177 | 0.020 | " | 0.200 | ND | 88.6 | 70-130 |
| Benzo (g,h,i) perylene | 0.195 | 0.020 | " | 0.200 | ND | 97.4 | 70-130 |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1424 - EPA 3580

| Matrix Spike (B3L1424-MS1) | | Source: Y312441-01 | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.170 | 0.020 | mg/kg | 0.200 | ND | 85.1 | 70-130 | | | |
| Chrysene | 0.175 | 0.020 | " | 0.200 | ND | 87.5 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.189 | 0.020 | " | 0.200 | ND | 94.4 | 70-130 | | | |
| Fluoranthene | 0.197 | 0.020 | " | 0.200 | ND | 98.5 | 70-130 | | | |
| Fluorene | 0.203 | 0.020 | " | 0.200 | ND | 102 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.214 | 0.020 | " | 0.200 | ND | 107 | 70-130 | | | |
| Naphthalene | 0.195 | 0.002 | " | 0.200 | ND | 97.4 | 70-130 | | | |
| Phenanthrene | 0.181 | 0.020 | " | 0.200 | ND | 90.4 | 70-130 | | | |
| Pyrene | 0.180 | 0.020 | " | 0.200 | ND | 90.1 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 107 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.5 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 95.3 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 103 | 60-130 | | | |

| Matrix Spike Dup (B3L1424-MSD1) | | Source: Y312441-01 | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|--------|----|--|
| 1-Methylnaphthalene | 0.202 | 0.002 | mg/kg | 0.200 | ND | 101 | 70-130 | 1.28 | 20 | |
| 2-Methylnaphthalene | 0.199 | 0.002 | " | 0.200 | ND | 99.3 | 70-130 | 1.32 | 20 | |
| Acenaphthene | 0.193 | 0.020 | " | 0.200 | ND | 96.5 | 70-130 | 0.0823 | 20 | |
| Anthracene | 0.174 | 0.020 | " | 0.200 | ND | 87.1 | 70-130 | 4.52 | 20 | |
| Benzo (a) anthracene | 0.191 | 0.005 | " | 0.200 | ND | 95.7 | 70-130 | 0.499 | 20 | |
| Benzo (a) pyrene | 0.201 | 0.020 | " | 0.200 | ND | 101 | 70-130 | 3.68 | 20 | |
| Benzo (b) fluoranthene | 0.189 | 0.020 | " | 0.200 | ND | 94.3 | 70-130 | 6.27 | 20 | |
| Benzo (g,h,i) perylene | 0.205 | 0.020 | " | 0.200 | ND | 103 | 70-130 | 5.24 | 20 | |
| Benzo (k) fluoranthene | 0.180 | 0.020 | " | 0.200 | ND | 89.9 | 70-130 | 5.52 | 20 | |
| Chrysene | 0.177 | 0.020 | " | 0.200 | ND | 88.6 | 70-130 | 1.33 | 20 | |
| Dibenz (a,h) anthracene | 0.193 | 0.020 | " | 0.200 | ND | 96.3 | 70-130 | 1.96 | 20 | |
| Fluoranthene | 0.194 | 0.020 | " | 0.200 | ND | 96.8 | 70-130 | 1.74 | 20 | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1424 - EPA 3580

| Matrix Spike Dup (B3L1424-MSD1) | | Source: Y312441-01 | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
|---------------------------------|-------|--------------------|-------|-------|---|------|--------|-------|----|--|
| Fluorene | 0.203 | 0.020 | mg/kg | 0.200 | ND | 102 | 70-130 | 0.103 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.222 | 0.020 | " | 0.200 | ND | 111 | 70-130 | 3.38 | 20 | |
| Naphthalene | 0.192 | 0.002 | " | 0.200 | ND | 96.0 | 70-130 | 1.42 | 20 | |
| Phenanthrene | 0.179 | 0.020 | " | 0.200 | ND | 89.5 | 70-130 | 0.960 | 20 | |
| Pyrene | 0.185 | 0.020 | " | 0.200 | ND | 92.7 | 70-130 | 2.90 | 20 | |
| Surrogate: Fluorene-d10 | 220 | | ug/kg | 200 | | 108 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 95.9 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.0 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 105 | 60-130 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1437 - NO PREP | | | | | | | | | | |
| Blank (B3L1437-BLK1) | | | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
| LCS (B3L1437-BS1) | | | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Total Dissolved Solids | 1050 | 5.00 | mg/L | 1090 | | 96.7 | 90-110 | | | |
| Duplicate (B3L1437-DUP1) | | Source: Y312418-01 | | | Prepared: 12/14/2023 Analyzed: 12/15/2023 | | | | | |
| Total Dissolved Solids | 1590 | 5.00 | mg/L | | 1630 | | | 2.49 | 10 | |
| Batch B3L1507 - Filter .45um non acidified | | | | | | | | | | |
| Blank (B3L1507-BLK1) | | | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
| Chloride | ND | 0.250 | mg/L | | | | | | | |
| Sulfate | ND | 0.250 | " | | | | | | | |
| LCS (B3L1507-BS1) | | | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
| Chloride | 3.95 | 0.250 | mg/L | 4.00 | | 98.8 | 90-110 | | | |
| Sulfate | 3.91 | 0.250 | " | 4.00 | | 97.8 | 90-110 | | | |
| Matrix Spike (B3L1507-MS1) | | Source: Y312333-03 | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
| Chloride | 1360 | | mg/L | 500 | 933 | 85.6 | 90-110 | | | QM-07 |
| Sulfate | 1750 | | " | 500 | 1310 | 86.5 | 90-110 | | | QM-07 |
| Matrix Spike Dup (B3L1507-MSD1) | | Source: Y312333-03 | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
| Chloride | 1470 | | mg/L | 500 | 933 | 107 | 90-110 | 7.61 | 5 | QM-07 |
| Sulfate | 1900 | | " | 500 | 1310 | 117 | 90-110 | 8.25 | 5 | QM-07, QR-03 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1510 - Saturated Paste Metals

Blank (B3L1510-BLK1)

Prepared: 12/15/2023 Analyzed: 12/18/2023

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

Duplicate (B3L1510-DUP1)

Source: Y312442-06

Prepared: 12/15/2023 Analyzed: 12/18/2023

| | | | | | | |
|---------------|------|--------|------|------|------|-----|
| SAR | ND | 0.0100 | SAR | 6.13 | | 200 |
| Calcium PPM | 26.3 | 10.0 | mg/L | 23.4 | 11.5 | 50 |
| Magnesium PPM | 13.9 | 10.0 | " | 12.8 | 8.38 | 50 |
| Sodium PPM | 159 | 10.0 | " | 149 | 6.95 | 50 |

Batch B3L1511 - Saturated Paste Metals

Blank (B3L1511-BLK1)

Prepared: 12/15/2023 Analyzed: 12/18/2023

| | | | |
|---------------|----|--------|------|
| 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 (B3L1511-DUP1)

Source: Y312445-01

Prepared: 12/15/2023 Analyzed: 12/18/2023

| | | | | | | |
|---------------|------|--------|------|------|------|-----|
| Calcium PPM | 39.2 | 10.0 | mg/L | 27.7 | 34.5 | 50 |
| SAR | ND | 0.0100 | SAR | ND | | 200 |
| Magnesium PPM | 7.00 | 10.0 | mg/L | 5.28 | 28.0 | 50 |
| Sodium PPM | 15.2 | 10.0 | " | 18.9 | 21.7 | 50 |

Batch B3L1514 - DTPA Sorbitol Preparation

Blank (B3L1514-BLK1)

Prepared: 12/15/2023 Analyzed: 12/18/2023

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1514 - DTPA Sorbitol Preparation | | | | | | | | | | |
| Blank (B3L1514-BLK1) | | | | | Prepared: 12/15/2023 Analyzed: 12/18/2023 | | | | | |
| Boron | ND | 0.100 | mg/L | | | | | | | |
| Duplicate (B3L1514-DUP1) | | | | | Source: Y312441-01 Prepared: 12/15/2023 Analyzed: 12/18/2023 | | | | | |
| Boron | 0.886 | 0.0998 | mg/L | | 1.08 | | | 19.4 | 50 | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Notes and Definitions

U Sample is Non-Detect.

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

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

December 29, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Junction 11,12,22-2 O SA Facility **Project Number - 09A1417263**

Attached are your analytical results for KMG - Junction 11,12,22-2 O SA Facility received by Origins Laboratory, Inc. December 15, 2023. This project is associated with Origins project number Y312499-01.

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|-------------------------|------------------|
| FL01-W02@4' | Y312499-01 | Soil | December 15, 2023 12:35 | 12/15/2023 15:56 |
| FL01-S03@4' | Y312499-02 | Soil | December 15, 2023 12:45 | 12/15/2023 15:56 |
| FL01-S04@4' | Y312499-03 | Soil | December 15, 2023 12:55 | 12/15/2023 15:56 |
| FL01-E02@4' | Y312499-04 | Soil | December 15, 2023 13:00 | 12/15/2023 15:56 |
| FL01-B02@10' | Y312499-05 | Soil | December 15, 2023 13:10 | 12/15/2023 15:56 |
| FL01-B03@8' | Y312499-06 | Soil | December 15, 2023 13:20 | 12/15/2023 15:56 |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

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

ORIGINS
LABORATORY, INC

INITIAL ☐ IMPACTED ☒

www.originslaboratory.com

Client: Ensolum LLC
Address:
Telephone Number:
Email Address: KMG Team

Project Manager: Jeremy Espinoza
Project Name: Junction 11,12,22-2 O SA Facility
Project Number: 09A1417263
Samples Collected By: Glenn Thompson

Refringibility By:
Date: 12-15-23 Time: 1550
Received By:
Date: 12/15/23 Time: 1550

9 Date Results Needed

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Full Table 915-1 | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|------------------|---------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | | |
| F101-W02-04 | 12-15-23 | 1235 | 3 | X | | | | X | 1 |
| F101-S03-04 | | 1245 | 3 | X | | | | X | 2 |
| F101-S04-04 | | 1255 | 3 | X | | | | X | 3 |
| F101-E02-04 | | 1300 | 3 | X | | | | X | 4 |
| F101-E02-06 | | 1310 | 3 | X | | | | X | 5 |
| F101-B03-08 | | 1320 | 3 | X | | | | X | 6 |
| | | | | | | | | | 7 |
| | | | | | | | | | 8 |
| | | | | | | | | | 9 |
| | | | | | | | | | 10 |

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

Origins Laboratory, Inc.

J. Bynon

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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 122499

Client: Ensolum

Client Project ID: Junction

Checklist Completed by: EHS

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

Date/time completed: 12/14/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 9 °C / _____ °C / _____ °C (Describe)

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"/> | | <u>SD</u> |
| Is there ice present (document if blue ice is used) | <input checked="" type="checkbox"/> | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | <input checked="" type="checkbox"/> | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | <input checked="" type="checkbox"/> | | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | | | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 12/15/23

Origins Laboratory, Inc.

[Signature]

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-W02@4'

12/15/2023 12:35:00PM

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

Origins Laboratory, Inc.
Y312499-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 1.78 | 0.0995 | mg/L | 1 | B3L1805 | KAP | 12/18/2023 | 12/19/2023 | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1501 | ZZZ | 12/15/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 79.9 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1530 | JSM | 12/15/2023 | 12/15/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 106 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 98.2 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 94.1 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-W02@4'

12/15/2023 12:35:00PM

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

Origins Laboratory, Inc.

Y312499-01 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 16.9 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/16/2023 | 12/18/2023 |
| Magnesium | 20.8 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 39.2 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 9.03 | 0.0100 | SAR | 1 | B3L1615 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.92 | 0.0907 | mg/kg | 10 | B3L1536 | RSM | 12/15/2023 | 12/18/2023 |
| Barium | 198 | 9.07 | " | " | " | RSM | " | " |
| Cadmium | 0.222 | 0.0907 | " | " | " | RSM | " | " |
| Copper | 16.8 | 9.07 | " | " | " | RSM | " | " |
| Lead | 14.0 | 0.907 | " | " | " | RSM | " | " |
| Nickel | 15.3 | 0.907 | " | " | " | RSM | " | " |
| Selenium | 0.225 | 0.0907 | " | " | " | RSM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S03@4'
12/15/2023 12:45:00PM

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

Origins Laboratory, Inc.
Y312499-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 2.31 | 0.101 | mg/L | 1 | B3L1805 | KAP | 12/18/2023 | 12/19/2023 | |
|-------|------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1501 | ZZZ | 12/15/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 86.5 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1530 | JSM | 12/15/2023 | 12/15/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 107 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 98.9 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 95.1 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S03@4'

12/15/2023 12:45:00PM

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

Origins Laboratory, Inc.
Y312499-02 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | KAP | 12/16/2023 | 12/18/2023 |
| Magnesium | 0.944 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 14.5 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 18.0 | 0.0100 | SAR | 1 | B3L1615 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 4.63 | 0.0984 | mg/kg | 10 | B3L1536 | RSM | 12/15/2023 | 12/18/2023 |
| Barium | 237 | 9.84 | " | " | " | RSM | " | " |
| Cadmium | 0.297 | 0.0984 | " | " | " | RSM | " | " |
| Copper | 19.8 | 9.84 | " | " | " | RSM | " | " |
| Lead | 15.4 | 0.984 | " | " | " | RSM | " | " |
| Nickel | 16.7 | 0.984 | " | " | " | RSM | " | " |
| Selenium | 0.228 | 0.0984 | " | " | " | RSM | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S04@4'

12/15/2023 12:55:00PM

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

Origins Laboratory, Inc.
Y312499-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 0.625 | 0.0989 | mg/L | 1 | B3L1805 | KAP | 12/18/2023 | 12/19/2023 | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1501 | ZZZ | 12/15/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

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

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1530 | JSM | 12/15/2023 | 12/15/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 99.3 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 94.6 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-S04@4'
12/15/2023 12:55:00PM

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

Origins Laboratory, Inc.
Y312499-03 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | KAP | 12/16/2023 | 12/18/2023 |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " |
| Sodium | 12.7 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 19.0 | 0.0100 | SAR | 1 | B3L1615 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 5.76 | 0.0970 | mg/kg | 10 | B3L1536 | RSM | 12/15/2023 | 12/18/2023 |
| Barium | 162 | 9.70 | " | " | " | RSM | " | " |
| Cadmium | 0.156 | 0.0970 | " | " | " | RSM | " | " |
| Copper | 19.4 | 9.70 | " | " | " | RSM | " | " |
| Lead | 14.1 | 0.970 | " | " | " | RSM | " | " |
| Nickel | 19.4 | 0.970 | " | " | " | RSM | " | " |
| Selenium | 0.130 | 0.0970 | " | " | " | RSM | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-E02@4'

12/15/2023 1:00:00PM

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

Origins Laboratory, Inc. Y312499-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 1.21 | 0.0991 | mg/L | 1 | B3L1805 | KAP | 12/18/2023 | 12/19/2023 | |
|-------|------|--------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1501 | ZZZ | 12/15/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 79.1 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1530 | JSM | 12/15/2023 | 12/16/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 99.4 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 94.7 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-E02@4'

12/15/2023 1:00:00PM

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

Origins Laboratory, Inc.
Y312499-04 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 3.84 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/16/2023 | 12/18/2023 |
| Magnesium | 4.89 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 17.6 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 8.44 | 0.0100 | SAR | 1 | B3L1615 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.31 | 0.0895 | mg/kg | 10 | B3L1536 | RSM | 12/15/2023 | 12/18/2023 |
| Barium | 146 | 8.95 | " | " | " | RSM | " | " |
| Cadmium | 0.155 | 0.0895 | " | " | " | RSM | " | " |
| Copper | 13.1 | 8.95 | " | " | " | RSM | " | " |
| Lead | 10.2 | 0.895 | " | " | " | RSM | " | " |
| Nickel | 12.4 | 0.895 | " | " | " | RSM | " | " |
| Selenium | 0.149 | 0.0895 | " | " | " | RSM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B02@10'
12/15/2023 1:10:00PM

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

Origins Laboratory, Inc.
Y312499-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.121 | 0.101 | mg/L | 1 | B3L1805 | KAP | 12/18/2023 | 12/19/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1501 | ZZZ | 12/15/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 84.6 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1530 | JSM | 12/15/2023 | 12/16/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 101 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 99.6 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 93.9 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B02@10'

12/15/2023 1:10:00PM

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

Origins Laboratory, Inc.
Y312499-05 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 0.775 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/16/2023 | 12/18/2023 |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " |
| Sodium | 2.73 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 3.17 | 0.0100 | SAR | 1 | B3L1615 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 1.34 | 0.0971 | mg/kg | 10 | B3L1536 | RSM | 12/15/2023 | 12/18/2023 |
| Barium | 79.1 | 9.71 | " | " | " | RSM | " | " |
| Cadmium | ND | 0.0971 | " | " | " | RSM | " | " |
| Copper | ND | 9.71 | " | " | " | RSM | " | " |
| Lead | 7.04 | 0.971 | " | " | " | RSM | " | " |
| Nickel | 9.44 | 0.971 | " | " | " | RSM | " | " |
| Selenium | ND | 0.0971 | " | " | " | RSM | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B03@8'

12/15/2023 1:20:00PM

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

Origins Laboratory, Inc. Y312499-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.106 | 0.101 | mg/L | 1 | B3L1805 | KAP | 12/18/2023 | 12/19/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3L1501 | ZZZ | 12/15/2023 | 12/15/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 87.8 % | 50-150 | | | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3L1530 | JSM | 12/15/2023 | 12/16/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 98.8 % | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 93.7 % | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

FL01-B03@8'

12/15/2023 1:20:00PM

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

Origins Laboratory, Inc.

Y312499-06 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 1.16 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/16/2023 | 12/18/2023 |
| Magnesium | 0.971 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 2.32 | 0.435 | " | " | " | KAP | " | " |

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|---|---|
| SAR | 2.25 | 0.0100 | SAR | 1 | B3L1615 | KAP | " | " |
|-----|------|--------|-----|---|---------|-----|---|---|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 0.517 | 0.0963 | mg/kg | 10 | B3L1536 | RSM | 12/15/2023 | 12/18/2023 |
| Barium | 15.0 | 9.63 | " | " | " | RSM | " | " |
| Cadmium | ND | 0.0963 | " | " | " | RSM | " | " |
| Copper | ND | 9.63 | " | " | " | RSM | " | " |
| Lead | 3.87 | 0.963 | " | " | " | RSM | " | " |
| Nickel | 4.58 | 0.963 | " | " | " | RSM | " | " |
| Selenium | ND | 0.0963 | " | " | " | RSM | " | " |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1501 - EPA 3550B | | | | | | | | | | |
| Blank (B3L1501-BLK1) | | | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 22 | | " | 24.9 | | 88.2 | 50-150 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1501 - EPA 3550B

LCS (B3L1501-BS1)

Prepared: 12/15/2023 Analyzed: 12/15/2023

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 879 | 50.0 | mg/kg | 1000 | | 87.9 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1040 | 200 | " | 1000 | | 104 | 70-130 | | | |
| Surrogate: o-Terphenyl | 44 | | " | 49.8 | | 87.5 | 50-150 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1501 - EPA 3550B

| Matrix Spike (B3L1501-MS1) | | Source: Y312490-01 | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28) | 904 | 50.0 | mg/kg | 1000 | ND | 90.4 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1050 | 200 | " | 1000 | ND | 105 | 70-130 | | | |
| Surrogate: o-Terphenyl | 43 | | " | 49.8 | | 86.5 | 50-150 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1501 - EPA 3550B

| Matrix Spike Dup (B3L1501-MSD1) | | Source: Y312490-01 | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|------|----|--|
| Diesel (C10-C28) | 984 | 50.0 | mg/kg | 1000 | ND | 98.4 | 70-130 | 8.50 | 35 | |
| Residual Range Organics (C28-C40) | 1160 | 200 | " | 1000 | ND | 116 | 70-130 | 9.73 | 35 | |
| Surrogate: o-Terphenyl | 48 | | " | 49.8 | | 95.7 | 50-150 | | | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1530 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (B3L1530-BLK1) | | | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
| 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 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.9 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 95.0 | 70-130 | | | |

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1530 - EPA 5030 (soil)

LCS (B3L1530-BS1)

Prepared: 12/15/2023 Analyzed: 12/15/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0997 | 0.00200 | mg/kg | 0.100 | | 99.7 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0985 | 0.00200 | " | 0.100 | | 98.5 | 70-130 | | | |
| Benzene | 0.108 | 0.00200 | " | 0.100 | | 108 | 70-130 | | | |
| Ethylbenzene | 0.0981 | 0.00200 | " | 0.100 | | 98.1 | 70-130 | | | |
| Naphthalene | 0.114 | 0.00380 | " | 0.100 | | 114 | 70-130 | | | |
| Toluene | 0.102 | 0.00200 | " | 0.100 | | 102 | 70-130 | | | |
| o-Xylene | 0.100 | 0.00200 | " | 0.100 | | 100 | 70-130 | | | |
| m,p-Xylene | 0.207 | 0.00400 | " | 0.200 | | 103 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 97.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 99.0 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1530 - EPA 5030 (soil)

| Matrix Spike (B3L1530-MS1) | | Source: Y312490-01 | | | Prepared: 12/15/2023 Analyzed: 12/15/2023 | | | | | |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0842 | 0.00200 | mg/kg | 0.100 | ND | 84.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0816 | 0.00200 | " | 0.100 | ND | 81.6 | 70-130 | | | |
| Benzene | 0.0795 | 0.00200 | " | 0.100 | ND | 79.5 | 70-130 | | | |
| Ethylbenzene | 0.0779 | 0.00200 | " | 0.100 | ND | 77.9 | 70-130 | | | |
| Naphthalene | 0.107 | 0.00380 | " | 0.100 | ND | 107 | 70-130 | | | |
| Toluene | 0.0785 | 0.00200 | " | 0.100 | ND | 78.5 | 70-130 | | | |
| o-Xylene | 0.0836 | 0.00200 | " | 0.100 | ND | 83.6 | 70-130 | | | |
| m,p-Xylene | 0.167 | 0.00400 | " | 0.200 | ND | 83.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 94.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 98.5 | 70-130 | | | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1530 - EPA 5030 (soil)

| Matrix Spike Dup (B3L1530-MSD1) | | Source: Y312490-01 | | | Prepared: 12/15/2023 Analyzed: 12/18/2023 | | | | | |
|----------------------------------|-------|--------------------|-------|-------|---|------|--------|------|----|-------|
| 1,2,4-Trimethylbenzene | 0.105 | 0.00200 | mg/kg | 0.100 | ND | 105 | 70-130 | 21.7 | 20 | QR-02 |
| 1,3,5-Trimethylbenzene | 0.102 | 0.00200 | " | 0.100 | ND | 102 | 70-130 | 22.6 | 20 | QR-02 |
| Benzene | 0.117 | 0.00200 | " | 0.100 | ND | 117 | 70-130 | 38.5 | 20 | QR-02 |
| Ethylbenzene | 0.100 | 0.00200 | " | 0.100 | ND | 100 | 70-130 | 24.9 | 20 | QR-02 |
| Naphthalene | 0.128 | 0.00380 | " | 0.100 | ND | 128 | 70-130 | 18.0 | 20 | |
| Toluene | 0.104 | 0.00200 | " | 0.100 | ND | 104 | 70-130 | 28.0 | 20 | QR-02 |
| o-Xylene | 0.104 | 0.00200 | " | 0.100 | ND | 104 | 70-130 | 21.3 | 20 | QR-02 |
| m,p-Xylene | 0.210 | 0.00400 | " | 0.200 | ND | 105 | 70-130 | 23.0 | 20 | QR-02 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 91.9 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 97.0 | 70-130 | | | |

Origins Laboratory, Inc.



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11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 B3L1536 - EPA 3050B

Blank (B3L1536-BLK1)

Prepared: 12/15/2023 Analyzed: 12/18/2023

| | | | |
|----------|----|--------|-------|
| 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 | " |

LCS (B3L1536-BS1)

Prepared: 12/15/2023 Analyzed: 12/18/2023

| | | | | | | |
|----------|------|--------|-------|------|------|--------|
| Arsenic | 4.88 | 0.0100 | mg/kg | 5.00 | 97.7 | 80-120 |
| Barium | 489 | 1.00 | " | 500 | 97.8 | 80-120 |
| Cadmium | 5.01 | 0.0100 | " | 5.00 | 100 | 80-120 |
| Copper | 48.0 | 1.00 | " | 50.0 | 95.9 | 80-120 |
| Lead | 5.05 | 0.100 | " | 5.00 | 101 | 80-120 |
| Nickel | 5.03 | 0.100 | " | 5.00 | 101 | 80-120 |
| Selenium | 4.99 | 0.0100 | " | 5.00 | 99.9 | 80-120 |

Matrix Spike (B3L1536-MS1)

Source: Y312498-03

Prepared: 12/15/2023 Analyzed: 12/18/2023

| | | | | | | | |
|---------|------|--------|-------|------|--------|-----|--------|
| Arsenic | 8.50 | 0.0942 | mg/kg | 4.71 | 3.76 | 101 | 75-125 |
| Barium | 648 | 9.42 | " | 471 | 91.0 | 118 | 75-125 |
| Cadmium | 5.54 | 0.0942 | " | 4.71 | 0.0726 | 116 | 75-125 |
| Copper | 60.7 | 9.42 | " | 47.1 | 6.86 | 114 | 75-125 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1536 - EPA 3050B | | | | | | | | | | |
| Matrix Spike (B3L1536-MS1) | | Source: Y312498-03 | | | Prepared: 12/15/2023 Analyzed: 12/18/2023 | | | | | |
| Lead | 12.8 | 0.942 | mg/kg | 4.71 | 6.85 | 126 | 75-125 | | | QM-07 |
| Nickel | 13.9 | 0.942 | " | 4.71 | 8.94 | 106 | 75-125 | | | |
| Selenium | 4.60 | 0.0942 | " | 4.71 | 0.127 | 94.9 | 75-125 | | | |
| Matrix Spike Dup (B3L1536-MSD1) | | Source: Y312498-03 | | | Prepared: 12/15/2023 Analyzed: 12/18/2023 | | | | | |
| Arsenic | 7.84 | 0.0860 | mg/kg | 4.30 | 3.76 | 94.9 | 75-125 | 8.06 | 20 | |
| Barium | 568 | 8.60 | " | 430 | 91.0 | 111 | 75-125 | 13.2 | 20 | |
| Cadmium | 4.82 | 0.0860 | " | 4.30 | 0.0726 | 110 | 75-125 | 13.9 | 20 | |
| Copper | 53.5 | 8.60 | " | 43.0 | 6.86 | 109 | 75-125 | 12.6 | 20 | |
| Lead | 11.6 | 0.860 | " | 4.30 | 6.85 | 110 | 75-125 | 9.79 | 20 | |
| Nickel | 13.0 | 0.860 | " | 4.30 | 8.94 | 95.3 | 75-125 | 6.56 | 20 | |
| Selenium | 4.16 | 0.0860 | " | 4.30 | 0.127 | 93.8 | 75-125 | 9.85 | 20 | |

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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B3L1615 - Saturated Paste Metals

Blank (B3L1615-BLK1)

Prepared: 12/16/2023 Analyzed: 12/18/2023

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

Duplicate (B3L1615-DUP1)

Source: Y312497-01

Prepared: 12/16/2023 Analyzed: 12/18/2023

| | | | | | | |
|---------------|------|--------|------|-------|------|-----|
| Calcium PPM | 23.5 | 10.0 | mg/L | 20.4 | 13.9 | 50 |
| SAR | ND | 0.0100 | SAR | 0.324 | | 200 |
| Magnesium PPM | 4.33 | 10.0 | mg/L | 3.81 | 12.8 | 50 |
| Sodium PPM | 5.57 | 10.0 | " | 6.08 | 8.76 | 50 |

Batch B3L1805 - DTPA Sorbitol Preparation

Blank (B3L1805-BLK1)

Prepared: 12/18/2023 Analyzed: 12/19/2023

| | | | |
|-------|----|-------|------|
| Boron | ND | 0.100 | mg/L |
|-------|----|-------|------|

Duplicate (B3L1805-DUP1)

Source: Y312498-06

Prepared: 12/18/2023 Analyzed: 12/19/2023

| | | | | | | |
|-------|-------|--------|------|-------|------|----|
| Boron | 0.493 | 0.0995 | mg/L | 0.373 | 27.7 | 50 |
|-------|-------|--------|------|-------|------|----|

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Notes and Definitions

U Sample is Non-Detect.

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

February 16, 2024

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Junction 11,12,22-2 O SA Facility **Project Number - 09A1417263**

Attached are your analytical results for KMG - Junction 11,12,22-2 O SA Facility received by Origins Laboratory, Inc. February 02, 2024. This project is associated with Origins project number Y402078-01.

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: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|------------------------|------------------|
| NATIVE-BG04@3' | Y402078-01 | Soil | February 2, 2024 10:30 | 02/02/2024 16:00 |
| NATIVE-BG05@3' | Y402078-02 | Soil | February 2, 2024 11:00 | 02/02/2024 16:00 |
| NATIVE-BG05@6' | Y402078-03 | Soil | February 2, 2024 11:45 | 02/02/2024 16:00 |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 Team

Project Manager: J. Espinoza
Project Name: Junction 11, 12, 22-2 O SA Facility
Project Number: 09A1417263
Samples Collected By: HK

402076
www.originslaboratory.com

page 1 of 1

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | Analysis | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------|--------------------------------------|---------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | | |
| NATIVE-B609C81 | 3/2/24 | 1030 | 3 | X | | | | | | PH, EC, S, Ar, B, Cd, Cu, Pb, Se, Zn | |
| NATIVE-B605F31 | ↑ | 1100 | 3 | X | | | | | | | |
| NATIVE-B605F61 | 1145 | 3 | X | | | | | | | | |

Relinquished By: [Signature] Date: 2/2/24 Time: 1600
Received By: [Signature] Date: 2/2/24 Time: 1000

Temp Received: 4 Date Results Needed: _____

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

Origins Laboratory, Inc.

Bynon

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4402078

Client: Ensolum

Client Project ID: Junction

Checklist Completed by: JM/CHS

Shipped Via: FLD

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

Date/time completed: 2/2/24

Airbill #: N/A

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

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

Thermometer ID: 1004

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is there ice present (document if blue ice is used) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Were all samples received intact ⁽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.

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: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

NATIVE-BG04@3'
2/2/2024 10:30:00AM

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

Origins Laboratory, Inc.
Y402078-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|
| Boron | 0.115 | 0.0986 | mg/L | 1 | B4B0506 | ACC | 02/05/2024 | 02/06/2024 |
|-------|-------|--------|------|---|---------|-----|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 1.01 | 0.499 | meq/L | 10 | [CALC] | ACC | 02/03/2024 | 02/05/2024 |
| Magnesium | 0.892 | 0.823 | " | " | " | ACC | " | " |
| Sodium | 1.29 | 0.435 | " | " | " | ACC | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.50 | | pH Units | 1 | B4B0305 | EAL | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--------|-----|---|---------|-----|------------|------------|
| SAR | 1.32 | 0.0100 | SAR | 1 | B4B0301 | ACC | 02/03/2024 | 02/05/2024 |
|-----|------|--------|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 0.311 | 0.00500 | mmhos/cm | 1 | B4B0305 | EAL | 02/03/2024 | 02/05/2024 |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|---------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.55 | 0.0901 | mg/kg | 10 | B4B0228 | HJD | 02/02/2024 | 02/07/2024 |
| Barium | 49.4 | 9.01 | " | " | " | HJD | " | " |
| Cadmium | ND | 0.0901 | " | " | " | HJD | " | " |
| Copper | 11.8 | 9.01 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

NATIVE-BG04@3'
2/2/2024 10:30:00AM

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

Origins Laboratory, Inc.
Y402078-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Lead | 9.46 | 0.901 | mg/kg | 10 | B4B0228 | HJD | 02/02/2024 | 02/07/2024 |
| Selenium | ND | 0.0901 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

NATIVE-BG05@3'

2/2/2024 11:00:00AM

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

Origins Laboratory, Inc. Y402078-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|-----|------------|------------|
| Boron | ND | 0.0985 | mg/L | 1 | B4B0506 | ACC | 02/05/2024 | 02/06/2024 |
|-------|----|--------|------|---|---------|-----|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 1.53 | 0.499 | meq/L | 10 | [CALC] | ACC | 02/03/2024 | 02/05/2024 |
| Magnesium | ND | 0.823 | " | " | " | ACC | " | " |
| Sodium | ND | 0.435 | " | " | " | ACC | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.35 | | pH Units | 1 | B4B0305 | EAL | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|-------|--------|-----|---|---------|-----|------------|------------|
| SAR | 0.412 | 0.0100 | SAR | 1 | B4B0301 | ACC | 02/03/2024 | 02/05/2024 |
|-----|-------|--------|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 0.279 | 0.00500 | mmhos/cm | 1 | B4B0305 | EAL | 02/03/2024 | 02/05/2024 |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|---------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.14 | 0.0952 | mg/kg | 10 | B4B0228 | HJD | 02/02/2024 | 02/07/2024 |
| Barium | 34.3 | 9.52 | " | " | " | HJD | " | " |
| Cadmium | ND | 0.0952 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

NATIVE-BG05@3'

2/2/2024 11:00:00AM

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

Origins Laboratory, Inc.

Y402078-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Copper | ND | 9.52 | mg/kg | 10 | B4B0228 | HJD | 02/02/2024 | 02/07/2024 |
| Lead | 5.77 | 0.952 | " | " | " | HJD | " | " |
| Selenium | ND | 0.0952 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 O SA Facility

NATIVE-BG05@6'
2/2/2024 11:45:00AM

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

Origins Laboratory, Inc.
Y402078-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|----|--------|------|---|---------|-----|------------|------------|
| Boron | ND | 0.0993 | mg/L | 1 | B4B0506 | ACC | 02/05/2024 | 02/06/2024 |
|-------|----|--------|------|---|---------|-----|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 1.42 | 0.499 | meq/L | 10 | [CALC] | ACC | 02/03/2024 | 02/05/2024 |
| Magnesium | ND | 0.823 | " | " | " | ACC | " | " |
| Sodium | ND | 0.435 | " | " | " | ACC | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.35 | | pH Units | 1 | B4B0305 | EAL | 02/03/2024 | 02/05/2024 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|-------|--------|-----|---|---------|-----|------------|------------|
| SAR | 0.358 | 0.0100 | SAR | 1 | B4B0301 | ACC | 02/03/2024 | 02/05/2024 |
|-----|-------|--------|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 0.246 | 0.00500 | mmhos/cm | 1 | B4B0305 | EAL | 02/03/2024 | 02/05/2024 |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|

Table 915 metals by EPA 6020B

| | | | | | | | | |
|---------|------|--------|-------|----|---------|-----|------------|------------|
| Arsenic | 3.07 | 0.0845 | mg/kg | 10 | B4B0228 | HJD | 02/02/2024 | 02/07/2024 |
| Barium | 33.1 | 8.45 | " | " | " | HJD | " | " |
| Cadmium | ND | 0.0845 | " | " | " | HJD | " | " |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

NATIVE-BG05@6'

2/2/2024 11:45:00AM

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

Origins Laboratory, Inc.

Y402078-03 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-------|----|---------|-----|------------|------------|
| Copper | ND | 8.45 | mg/kg | 10 | B4B0228 | HJD | 02/02/2024 | 02/07/2024 |
| Lead | 5.25 | 0.845 | " | " | " | HJD | " | " |
| Selenium | ND | 0.0845 | " | " | " | HJD | " | 02/07/2024 |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 | | | | | | | | | | |
| 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 | " | | | | | | | |
| Selenium | ND | 0.0100 | " | | | | | | | |
| 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 | | | |
| Selenium | 4.42 | 0.0100 | " | 5.00 | | 88.3 | 80-120 | | | |
| 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 | | | |
| Selenium | 3.73 | 0.0845 | " | 4.22 | 0.0403 | 87.2 | 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 | |

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 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 Dup (B4B0228-MSD1) | | Source: Y402077-09 | | | Prepared: 02/02/2024 Analyzed: 02/07/2024 | | | | | |
|---------------------------------|------|--------------------|-------|------|---|------|--------|------|----|--|
| Copper | 46.1 | 9.05 | mg/kg | 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 | |
| Selenium | 4.22 | 0.0905 | " | 4.52 | 0.0403 | 92.3 | 75-125 | 12.3 | 20 | |

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B4B0301 - Saturated Paste Metals

Blank (B4B0301-BLK1)

Prepared: 02/03/2024 Analyzed: 02/05/2024

| | | | |
|---------------|----|--------|------|
| 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 (B4B0301-DUP1)

Source: Y402073-01

Prepared: 02/03/2024 Analyzed: 02/05/2024

| | | | | | | |
|---------------|------|--------|------|-------|-------|-----|
| SAR | ND | 0.0100 | SAR | 0.973 | | 200 |
| Calcium PPM | 55.4 | 10.0 | mg/L | 55.9 | 0.917 | 50 |
| Magnesium PPM | 51.9 | 10.0 | " | 53.4 | 2.76 | 50 |
| Sodium PPM | 41.8 | 10.0 | " | 42.4 | 1.50 | 50 |

Batch B4B0506 - DTPA Sorbitol Preparation

Blank (B4B0506-BLK1)

Prepared: 02/05/2024 Analyzed: 02/06/2024

| | | | |
|-------|----|-------|------|
| Boron | ND | 0.100 | mg/L |
|-------|----|-------|------|

Duplicate (B4B0506-DUP1)

Source: Y402073-01

Prepared: 02/05/2024 Analyzed: 02/06/2024

| | | | | | | |
|-------|------|--------|------|------|------|----|
| Boron | 1.33 | 0.0992 | mg/L | 1.36 | 2.39 | 50 |
|-------|------|--------|------|------|------|----|

Origins Laboratory, Inc.



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

Jeremy Espinoza
Project Number: 09A1417263
Project: KMG - Junction 11,12,22-2 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 B4B0305 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B4B0305-BLK1) | | | | | Prepared: 02/03/2024 Analyzed: 02/05/2024 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B4B0305-DUP1) | | | | | Source: Y402073-01 Prepared: 02/03/2024 Analyzed: 02/05/2024 | | | | | |
| pH | 8.33 | | pH Units | | 8.43 | | | 1.19 | 25 | |
| Specific Conductance (EC) | 0.768 | 0.00500 | mmhos/cm | | 0.895 | | | 15.4 | 25 | |

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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

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417263

Project: KMG - Junction 11,12,22-2 O SA Facility

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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