

**TABLE 1**  
**SOIL SAMPLE FIELD DATA SUMMARY TABLE**  
**SHUTT 20-34 WELLHEAD**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL AND GAS ONSHORE, LP**

| Soil Sample Location               | Date      | Depth<br>(ft. bgs) | PID Reading<br>(ppm) | Visual<br>Observation | Olfactory<br>Observation | Latitude    | Longitude    | Submitted for Lab<br>Analysis?<br>(Y/N) |
|------------------------------------|-----------|--------------------|----------------------|-----------------------|--------------------------|-------------|--------------|---|
| <b>WELLHEAD EXCAVATION SAMPLES</b> |           |                    |                      |                       |                          |             |              |   |
| N Wall                             | 4/18/2023 | 3                  | 0.0                  | NS                    | NO                       | 40.26536055 | -104.758724  | N                                       |
| E Wall                             | 4/18/2023 | 3                  | 0.0                  | NS                    | NO                       | 40.26534338 | -104.7586581 | N                                       |
| S Wall                             | 4/18/2023 | 3                  | 0.0                  | NS                    | NO                       | 40.26531228 | -104.7587101 | N                                       |
| W Wall                             | 4/18/2023 | 3                  | 0.0                  | NS                    | NO                       | 40.26532878 | -104.7587726 | N                                       |
| B01@6'-WP                          | 4/18/2023 | 6                  | 22.9                 | NS                    | NO                       | 40.26532906 | -104.7587233 | Y                                       |
| WH-Riser@5'                        | 4/18/2023 | 5                  | 0.0                  | NS                    | NO                       | 40.26532413 | -104.758733  | Y                                       |
| N01@5'                             | 5/8/2023  | 5                  | 1.2                  | NS                    | NO                       | 40.265356   | -104.758692  | Y                                       |
| E01@5'                             | 5/8/2023  | 5                  | 1.5                  | NS                    | NO                       | 40.265321   | -104.758662  | Y                                       |
| S01@5'                             | 5/8/2023  | 5                  | 0.8                  | NS                    | NO                       | 40.265294   | -104.758704  | Y                                       |
| W01@5'                             | 5/8/2023  | 5                  | 2.1                  | NS                    | NO                       | 40.265334   | -104.758752  | Y                                       |
| W02@5'                             | 5/8/2023  | 5                  | 0.3                  | NS                    | NO                       | 40.2653     | -104.758752  | Y                                       |
| B01@7'                             | 5/8/2023  | 7                  | 4.1                  | Stain                 | NO                       | 40.26532906 | -104.7587233 | Y                                       |
| <b>BACKGROUND SOIL SAMPLES</b>     |           |                    |                      |                       |                          |             |              |   |
| Native-BG01@3'                     | 4/18/2023 | 3                  | 0.0                  | NS                    | NO                       | 40.26540271 | -104.7587213 | Y                                       |
| Native-BG01@6'                     | 4/18/2023 | 6                  | 0.0                  | NS                    | NO                       | 40.26540271 | -104.7587213 | Y                                       |
| Native-BG02@3'                     | 4/18/2023 | 3                  | 0.0                  | NS                    | NO                       | 40.26533441 | -104.7586474 | Y                                       |
| Native-BG02@6'                     | 4/18/2023 | 6                  | 0.0                  | NS                    | NO                       | 40.26533441 | -104.7586474 | Y                                       |
| Native-BG03@3'                     | 4/18/2023 | 3                  | 0.0                  | NS                    | NO                       | 40.26523921 | -104.7587184 | Y                                       |
| Native-BG03@3'                     | 4/18/2023 | 6                  | 0.0                  | NS                    | NO                       | 40.26523921 | -104.7587184 | 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  
SHUTT 20-34 WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

| Soil Sample ID                                  | Date      | Depth<br>(ft. bgs) | TPH-GRO <sup>+</sup><br>(mg/kg) | TPH-DRO <sup>+</sup><br>(mg/kg) | TPH-RRO <sup>+</sup><br>(mg/kg) | Benzene<br>(mg/kg) | Toluene<br>(mg/kg) | Ethylbenzene<br>(mg/kg) | Total Xylenes<br>(mg/kg) | 1,2,4-<br>Trimethyl<br>benzene<br>(mg/kg) | 1,3,5-<br>Trimethyl<br>benzene<br>(mg/kg) | Naphthalene<br>(mg/kg) |
|---|-----------|--------------------|---------------------------------|---------------------------------|---------------------------------|--------------------|--------------------|-------------------------|--------------------------|---|---|------------------------|
| ECMC Table 915-1 Cleanup Concentrations (PGSSL) |           |                    | 500                             |                                 |                                 | 0.0026             | 0.69               | 0.78                    | 9.9                      | 0.0081                                    | 0.0087                                    | 0.0038                 |
| WELLHEAD EXCAVATION SAMPLES                     |           |                    |                                 |                                 |                                 |                    |                    |                         |                          |   |   |                        |
| B01@6'-WP                                       | 4/18/2023 | 6                  | 24.2                            | <25.0                           | <100                            | 0.00234            | 0.00362            | 0.0261                  | 0.309                    | 0.239                                     | 0.127                                     | 0.00658                |
| WH-Riser@5'                                     | 4/18/2023 | 5                  | <0.200                          | <25.0                           | <100                            | <0.00200           | <0.00200           | <0.00200                | <0.00200                 | <0.00200                                  | <0.00200                                  | <0.00380               |
| N01@5'  | 5/8/2023  | 5                  | 0.221                           | <25.0                           | <100                            | <0.00200           | <0.00200           | <0.00200                | <0.00200                 | <0.00200                                  | <0.00200                                  | <0.00201               |
| E01@5'  | 5/8/2023  | 5                  | <0.200                          | <25.0                           | <100                            | <0.00200           | <0.00200           | <0.00200                | <0.00200                 | <0.00200                                  | <0.00200                                  | <0.00201               |
| S01@5'  | 5/8/2023  | 5                  | <0.200                          | <25.0                           | <100                            | <0.00200           | <0.00200           | <0.00200                | <0.00200                 | <0.00200                                  | <0.00200                                  | <0.00201               |
| W01@5'  | 5/8/2023  | 5                  | <0.200                          | <25.0                           | <100                            | <0.00200           | <0.00200           | <0.00200                | <0.00200                 | <0.00200                                  | <0.00200                                  | <0.00201               |
| W02@5'  | 5/8/2023  | 5                  | <0.200                          | <25.0                           | <100                            | <0.00200           | <0.00200           | <0.00200                | <0.00200                 | <0.00200                                  | <0.00200                                  | <0.00201               |
| B01@7'  | 5/8/2023  | 7                  | <0.200                          | <25.0                           | <100                            | <0.00200           | <0.00200           | <0.00200                | <0.00200                 | <0.00200                                  | <0.00200                                  | <0.00201               |

**Notes:**

ECMC - Energy and Carbon Management Commission  
PGSSL - Protection of Groundwater Soil Screening Level Concentrations  
TPH - total petroleum hydrocarbons  
GRO - gasoline range organics  
DRO - diesel range organics  
RRO - residual range organics

<sup>+</sup>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  
SHUTT 20-34 WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

| Soil Sample ID                                  | Date      | Depth<br>(ft. bgs) | Acenaphthene<br>(mg/Kg) | Anthracene<br>(mg/Kg) | Benzo (a)<br>anthracene<br>(mg/Kg) | Benzo (b)<br>fluoranthene<br>(mg/Kg) | Benzo (k)<br>fluoranthene<br>(mg/Kg) | Benzo (a)<br>pyrene<br>(mg/Kg) | Chrysene<br>(mg/Kg) | Dibenz (a,h)<br>anthracene<br>(mg/Kg) | Fluoranthene<br>(mg/Kg) | Fluorene<br>(mg/Kg) | Indeno<br>(1,2,3-cd)<br>pyrene<br>(mg/Kg) | 1-Methyl<br>naphthalene<br>(mg/Kg) | 2-Methyl<br>naphthalene<br>(mg/Kg) | Pyrene<br>(mg/Kg) |
|---|-----------|--------------------|-------------------------|-----------------------|------------------------------------|--------------------------------------|--------------------------------------|--------------------------------|---------------------|---------------------------------------|-------------------------|---------------------|---|------------------------------------|------------------------------------|-------------------|
| ECMC Table 915-1 Cleanup Concentrations (PGSSL) |           |                    | 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               |
| WELLHEAD EXCAVATION SAMPLES                     |           |                    |                         |                       |                                    |                                      |                                      |                                |                     |                                       |                         |                     |   |                                    |                                    |                   |
| B01@6'-WP                                       | 4/18/2023 | 6                  | 0.00198                 | <0.00067              | 0.000695                           | 0.001                                | <0.00067                             | <0.00067                       | 0.0009              | <0.000614                             | 0.000746                | 0.00261             | 0.00122                                   | 0.00888                            | 0.0149                             | 0.00255           |
| WH-Riser@5'                                     | 4/18/2023 | 5                  | <0.00067                | <0.00067              | <0.00067                           | <0.00067                             | <0.00067                             | <0.00067                       | <0.00067            | <0.00067                              | <0.00067                | 0.000652            | 0.000689                                  | <0.00201                           | <0.00201                           | 0.00118           |
| N01@5'  | 5/8/2023  | 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          |
| E01@5'  | 5/8/2023  | 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          |
| S01@5'  | 5/8/2023  | 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          |
| W01@5'  | 5/8/2023  | 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          |
| W02@5'  | 5/8/2023  | 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          |
| B01@7'  | 5/8/2023  | 7                  | 0.000479 J              | <0.00067              | <0.00067                           | <0.00067                             | <0.00067                             | <0.00067                       | 0.00256             | <0.00067                              | <0.00067                | 0.00082             | <0.00067                                  | 0.00136 J                          | <0.00201                           | 0.0018            |

Notes:  
ECMC - Energy and Carbon Management Commission  
PGSSL - 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  
SHUTT 20-34 WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL AND GAS ONSHORE, LP

| Soil Sample ID                          | Date      | Depth<br>(ft. bgs) | EC<br>(mmhos/cm) | SAR  | pH        | Boron<br>(mg/L) |
|---|-----------|--------------------|------------------|------|-----------|-----------------|
| ECMC Table 915-1 Cleanup Concentrations |           |                    | 4                | 6    | 6-8.3     | 2               |
| Site-Specific Background Limits         |           |                    | 1.93             | 11.0 | 7.74-9.33 | 0.966           |
| <b>WELLHEAD EXCAVATION SAMPLES</b>      |           |                    |                  |      |           |                 |
| <b>B01@6'-WP</b>                        | 4/18/2023 | 6                  | 0.946            | 3.32 | 8.35*     | 0.342           |
| <b>WH-Riser@5'</b>                      | 4/18/2023 | 5                  | 1.39             | 4.34 | 8.52*     | 0.575           |
| <b>N01@5'</b>                           | 5/8/2023  | 5                  | NA               | NA   | 8.18      | 0.177           |
| <b>E01@5'</b>                           | 5/8/2023  | 5                  | NA               | NA   | 8.18      | 0.248           |
| <b>S01@5'</b>                           | 5/8/2023  | 5                  | NA               | NA   | 8.12      | 0.183           |
| <b>W01@5'</b>                           | 5/8/2023  | 5                  | NA               | NA   | 8.09      | 0.256           |
| <b>W02@5'</b>                           | 5/8/2023  | 5                  | NA               | NA   | 8.32*     | 0.160           |
| <b>B01@7'</b>                           | 5/8/2023  | 7                  | NA               | NA   | 8.05      | 0.194           |
| <b>BACKGROUND SAMPLES</b>               |           |                    |                  |      |           |                 |
| <b>Native-BG01@3'</b>                   | 4/18/2023 | 3                  | 1.20             | 8.19 | 8.64      | 0.966           |
| <b>Native-BG01@6'</b>                   | 4/18/2023 | 6                  | 1.05             | 4.07 | 8.53      | 0.295           |
| <b>Native-BG02@3'</b>                   | 4/18/2023 | 3                  | 0.696            | 3.02 | 8.48      | 0.303           |
| <b>Native-BG02@6'</b>                   | 4/18/2023 | 6                  | 0.552            | 2.98 | 8.43      | 0.223           |
| <b>Native-BG03@3'</b>                   | 4/18/2023 | 3                  | 0.988            | 11.0 | 8.61      | 0.699           |
| <b>Native-BG03@6'</b>                   | 4/18/2023 | 6                  | 1.93             | 7.90 | 8.36      | 0.171           |

**Notes:**

ECMC - Energy and Carbon Management Commission

EC - electrical conductivity

SAR - sodium adsorption ratio

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

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

\*Exceeds Table 915-1 allowable level but within analytical variability of 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**  
**SHUTT 20-34 WELLHEAD**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL AND GAS ONSHORE, LP**

| Soil Sample ID                                  | Date      | Depth<br>(ft. bgs) | Arsenic<br>(mg/kg) | Barium<br>(mg/kg) | Cadmium<br>(mg/kg) | Chromium (VI)<br>(mg/kg) | Copper<br>(mg/kg) | Lead<br>(mg/kg) | Nickel<br>(mg/kg) | Selenium<br>(mg/kg) | Silver<br>(mg/kg) | Zinc<br>(mg/kg) |
|---|-----------|--------------------|--------------------|-------------------|--------------------|--------------------------|-------------------|-----------------|-------------------|---------------------|-------------------|-----------------|
| ECMC Table 915-1 Cleanup Concentrations (PGSSL) |           |                    | 0.29               | 82                | 0.38               | 0.00067                  | 46                | 14              | 26                | 0.26                | 0.8               | 370             |
| Site-Specific Background Limits                 |           |                    | 3.83               | 75.6              | 0.130              | NA                       | NA                | NA              | NA                | 0.146               | NA                | NA              |
| <b>WELLHEAD EXCAVATION SAMPLES</b>              |           |                    |                    |                   |                    |                          |                   |                 |                   |                     |                   |                 |
| <b>B01@6'-WP</b>                                | 4/18/2023 | 6                  | 2.43*              | 61.1              | 0.107              | <0.5                     | <9.12             | <9.12           | <9.12             | <0.0912             | <0.0912           | <0.5            |
| <b>WH-Riser@5'</b>                              | 4/18/2023 | 5                  | 2.22*              | 60.4              | 0.114              | <0.509                   | <8.51             | <8.51           | <8.51             | 0.102               | <0.0851           | <85.1           |
| <b>N01@5'</b>                                   | 5/8/2023  | 5                  | 2.71*              | 46.6              | 0.196              | NA                       | NA                | NA              | NA                | <0.0972             | NA                | NA              |
| <b>E01@5'</b>                                   | 5/8/2023  | 5                  | 1.89*              | 54.0              | <0.0907            | NA                       | NA                | NA              | NA                | <0.0907             | NA                | NA              |
| <b>S01@5'</b>                                   | 5/8/2023  | 5                  | 2.35*              | 76.0              | <0.0886            | NA                       | NA                | NA              | NA                | <0.0886             | NA                | NA              |
| <b>W01@5'</b>                                   | 5/8/2023  | 5                  | 2.28*              | <b>85.5</b>       | 0.192              | NA                       | NA                | NA              | NA                | <0.0835             | NA                | NA              |
|   |           |                    | NA                 | 67.4              | NA                 | NA                       | NA                | NA              | NA                | NA                  | NA                | NA              |
|   |           |                    | NA                 | 77.6              | NA                 | NA                       | NA                | NA              | NA                | NA                  | NA                | NA              |
| <b>W02@5'</b>                                   | 5/8/2023  | 5                  | 2.59*              | 67.4              | <0.0903            | NA                       | NA                | NA              | NA                | <0.0903             | NA                | NA              |
| <b>B01@7'</b>                                   | 5/8/2023  | 7                  | 3.73*              | 73.2              | <0.0880            | NA                       | NA                | NA              | NA                | 0.103               | NA                | NA              |
| <b>BACKGROUND SAMPLES</b>                       |           |                    |                    |                   |                    |                          |                   |                 |                   |                     |                   |                 |
| <b>Native-BG01@3'</b>                           | 4/18/2023 | 3                  | 2.10               | 50.2              | 0.0964             | <0.503                   | <9.09             | <9.09           | <9.09             | <0.0909             | <0.0909           | <90.9           |
| <b>Native-BG01@6'</b>                           | 4/18/2023 | 6                  | 3.10               | 71.5              | <0.0943            | <0.509                   | <9.43             | <9.43           | <9.43             | 0.130               | <0.0943           | <94.3           |
| <b>Native-BG02@3'</b>                           | 4/18/2023 | 3                  | 1.81               | 39.7              | 0.130              | <0.5                     | <9.25             | <9.25           | <9.25             | 0.102               | <0.0925           | <92.5           |
| <b>Native-BG02@6'</b>                           | 4/18/2023 | 6                  | 2.53               | 75.6              | <0.0940            | <0.512                   | <9.40             | <9.40           | <9.40             | 0.146               | <0.0940           | <94.0           |
| <b>Native-BG03@3'</b>                           | 4/18/2023 | 3                  | 2.31               | 54.5              | 0.111              | <1                       | <9.35             | <9.35           | <9.35             | 0.0973              | <0.0935           | <93.5           |
| <b>Native-BG03@6'</b>                           | 4/18/2023 | 6                  | 3.83               | 74.2              | 0.0990             | <0.511                   | <9.00             | <9.00           | <9.00             | <0.0900             | <0.0900           | <90.0           |

**Notes:**

ECMC - Energy and Carbon Management Commission

PGSSL - Protection of Groundwater Soil Screening Level Concentrations

ft - feet

bgs - below ground surface

mg/kg - milligrams per kilogram

< - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

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

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

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

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

TABLE 3  
GROUNDWATER ANALYTICAL RESULTS  
SHUTT 20-34 WELLHEAD  
WELD COUNTY, COLORADO  
KERR-MCGEE OIL & GAS ONSHORE, LP

| Well Name                     | Date      | Benzene<br>(µg/L) | Toluene<br>(µg/L) | Ethylbenzene<br>(µg/L) | Total<br>Xylenes<br>(µg/L) | Naphthalene (µg/L) | 1,2,4-<br>trimethylbenzene<br>(µg/L) | 1,3,5-<br>trimethylbenzene<br>(µg/L) | Total<br>Dissolved<br>Solids<br>(ug/L) | Chloride<br>Ion (ug/L) | Sulfate Ion<br>(ug/L) | Depth to<br>Water/<br>(Product<br>Thickness)<br>(ft bgs) |
|-------------------------------|-----------|-------------------|-------------------|------------------------|----------------------------|--------------------|--------------------------------------|--------------------------------------|--|------------------------|-----------------------|--|
| <b>COGCC Allowable Levels</b> |           | <b>5</b>          | <b>560</b>        | <b>700</b>             | <b>1400</b>                | <b>140</b>         | <b>67</b>                            | <b>67</b>                            | <b>996,250</b>                         | <b>250,000</b>         | <b>250,000</b>        |  |
| WH-GW01                       | 4/18/2023 | <1.00             | <1.00             | 2.27                   | 3.18                       | <2.00              | 3.22                                 | <2.00                                | 812,000                                | 150,000                | 191,000               | 6.0  |
| BG-GW01                       | 5/26/2023 | NA                | NA                | NA                     | NA                         | NA                 | NA                                   | NA                                   | 797,000                                | 191,000                | 207,000               | 2.0  |

Notes: COGCC - Colorado Oil and Gas Conservation Commission

ft bgs - feet below ground surface

NA - not analyzed/not available

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

µg/L - micrograms per liter

< - less than laboratory reporting limit

Excavation groundwater depth is approximate

May 01, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Shutt 20-34 WH

Project Number - 09A1417271

Attached are your analytical results for KMG - Shutt 20-34 WH received by Origins Laboratory, Inc. April 19, 2023. This project is associated with Origins project number Y304416-01.

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

### CROSS REFERENCE REPORT

| Sample ID      | Laboratory ID | Matrix | Date Sampled         | Date Received    |
|----------------|---------------|--------|----------------------|------------------|
| B01@6'-WP      | Y304416-01    | Soil   | April 18, 2023 16:38 | 04/19/2023 08:20 |
| WH-Riser@5'    | Y304416-02    | Soil   | April 18, 2023 16:39 | 04/19/2023 08:20 |
| Native-BG01@3' | Y304416-03    | Soil   | April 18, 2023 17:03 | 04/19/2023 08:20 |
| Native-BG01@6' | Y304416-04    | Soil   | April 18, 2023 17:04 | 04/19/2023 08:20 |
| Native-BG02@3' | Y304416-05    | Soil   | April 18, 2023 17:06 | 04/19/2023 08:20 |
| Native-BG02@6' | Y304416-06    | Soil   | April 18, 2023 17:07 | 04/19/2023 08:20 |
| Native-BG03@3' | Y304416-07    | Soil   | April 18, 2023 17:10 | 04/19/2023 08:20 |
| Native-BG03@6' | Y304416-08    | Soil   | April 18, 2023 17:11 | 04/19/2023 08:20 |
| WH-GW01        | Y304416-09    | Water  | April 18, 2023 16:41 | 04/19/2023 08:20 |

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: 09A1417271

Project: KMG - Shutt 20-34 WH

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

Initial

430H41U

page | of |

Client: Ensolum  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_  
Email Address: KMG Team

Project Manager: J. Espinoza  
Project Name: Shutt 20-34 WH  
Project Number: 09A1417271  
Samples Collected By: HK

| Sample ID Description               | Date Sampled         | Time Sampled      | # of Containers   | Preservative           | Matrix               | Analysis                              | Sample Instructions                                |
|-------------------------------------|----------------------|-------------------|-------------------|------------------------|----------------------|---------------------------------------|--|
| B01261-WP                           | 4/18/23              | 1638              | 3                 | Unpreserved            | Soil                 | TPH (Core)<br>TPH (Disc)<br>TPH (SOP) | TDS analysis on WH-GW1 per Jeremy email on 4/20/23 |
| WH-Riser 05                         |                      | 1639              | 1                 | Other                  |                      |                                       |  |
| Native B60126                       |                      | 1703              |                   |                        |                      |                                       |  |
| Native B60126                       |                      | 1704              |                   |                        |                      |                                       |  |
| Native B60203                       |                      | 1706              |                   |                        |                      |                                       | TDS analysis added back to WH-GW1                  |
| Native B60206                       |                      | 1707              |                   |                        |                      |                                       |  |
| Native B60303                       |                      | 1716              |                   |                        |                      |                                       | per Jeremy email on 4/20/23                        |
| Native B60306                       |                      | 1711              |                   |                        |                      |                                       | on 4/20/23   |
| WH-GW1                              |                      | 1641              | 4                 |                        |                      |                                       | added to B01261 & B01262                           |
| Native B60126                       |                      |                   | 4                 |                        |                      |                                       | to add Native-                                     |
| Relinquished By: <u>Alexis Kull</u> | Date: <u>4/19/23</u> | Time: <u>8:20</u> | Time: <u>8:20</u> | Received By: <u>HK</u> | Date: <u>4-19-23</u> | Time: <u>8:20</u>                     | Turnaround Time: <u>24 Hr</u>                      |
| Relinquished By:                    | Date:                | Time:             | Time:             | Received By:           | Date:                | Time:                                 | Standard   |

Temp Received: 10.6°

Date Results Needed

Origins Laboratory, Inc.

*Bynon*

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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417271

Project: KMG - Shutt 20-34 WH

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: BOH4110

Client: Ensolum

Client Project ID: Shutt 20-34 WH

Checklist Completed by: JH/EXS

Shipped Via: 110

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

Date/time completed: 4/19/12

Airbill #: NA

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

Cooler Number/Temperature: 1 / 10.0° C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: 7014

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

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

Jan Espinoza  
Reviewed by (Project Manager)

4/19/12  
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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**B01@6'-WP**  
**4/18/2023 4:38:00PM**

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

**Origins Laboratory, Inc.**  
**Y304416-01 (Soil)**

## Boron (DTPA Sorbitol)

|       |       |        |      |   |         |            |            |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.342 | 0.0990 | mg/L | 1 | B3D2109 | 04/21/2023 | 04/25/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

## DRO/ORO by EPA 8015D

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3D1921 | 04/19/2023 | 04/19/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | "          | "          | U |

|                        |        |        |   |   |   |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 97.3 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

## GBTEX+TMBs by 8260D

|                             |         |         |       |    |         |            |            |
|-----------------------------|---------|---------|-------|----|---------|------------|------------|
| 1,2,4-Trimethylbenzene      | 0.239   | 0.00200 | mg/kg | 1  | B3D1930 | 04/19/2023 | 04/19/2023 |
| 1,3,5-Trimethylbenzene      | 0.127   | 0.00200 | "     | "  | "       | "          | "          |
| Benzene                     | 0.00234 | 0.00200 | "     | "  | "       | "          | "          |
| Ethylbenzene                | 0.0261  | 0.00200 | "     | "  | "       | "          | "          |
| Naphthalene                 | 0.00658 | 0.00380 | "     | "  | "       | "          | "          |
| Toluene                     | 0.00362 | 0.00200 | "     | "  | "       | "          | "          |
| Xylenes, total              | 0.309   | 0.00200 | "     | "  | "       | "          | "          |
| Gasoline Range Hydrocarbons | 24.2    | 5.00    | "     | 25 | "       | "          | 04/20/2023 |

|                                  |        |        |   |   |            |
|----------------------------------|--------|--------|---|---|------------|
| Surrogate: 1,2-Dichloroethane-d4 | 76.9 % | 70-130 | " | " | 04/19/2023 |
| Surrogate: Toluene-d8            | 89.9 % | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

B01@6'-WP

4/18/2023 4:38:00PM

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

Origins Laboratory, Inc.  
Y304416-01 (Soil)

## GBTEX+TMBs by 8260D

|                                 |       |        |             |            |            |
|---------------------------------|-------|--------|-------------|------------|------------|
| Surrogate: 4-Bromofluorobenzene | 124 % | 70-130 | B3D19<br>30 | 04/19/2023 | 04/19/2023 |
|---------------------------------|-------|--------|-------------|------------|------------|

## Metals by Saturated Paste by EPA 6010

|           |      |       |       |    |        |            |            |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium   | 2.43 | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |
| Magnesium | 1.31 | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 4.53 | 0.435 | "     | "  | "      | "          | "          |

## PAH by 8270D SIM

|                        |          |          |         |       |   |         |            |            |
|------------------------|----------|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene    | 0.00888  | 0.00109  | 0.00201 | mg/Kg | 1 | L677722 | 04/23/2023 | 04/23/2023 |
| 2-Methylnaphthalene    | 0.0149   | 0.00194  | 0.00201 | "     | " | "       | "          | "          |
| Acenaphthene           | 0.00198  | 0.000304 | 0.00067 | "     | " | "       | "          | "          |
| Anthracene             | ND       | 0.000334 | 0.00067 | "     | " | "       | "          | "          |
| Benzo(a)anthracene     | 0.000695 | 0.000493 | 0.00067 | "     | " | "       | "          | "          |
| Benzo(a)pyrene         | ND       | 0.000468 | 0.00067 | "     | " | "       | "          | "          |
| Benzo(b)fluoranthene   | 0.001    | 0.000585 | 0.00067 | "     | " | "       | "          | "          |
| Benzo(k)fluoranthene   | ND       | 0.000437 | 0.00067 | "     | " | "       | "          | "          |
| Chrysene               | 0.0009   | 0.000624 | 0.00067 | "     | " | "       | "          | "          |
| Dibenz(a,h)anthracene  | ND       | 0.000614 | 0.00067 | "     | " | "       | "          | "          |
| Fluoranthene           | 0.000746 | 0.000394 | 0.00067 | "     | " | "       | "          | "          |
| Fluorene               | 0.00261  | 0.000286 | 0.00067 | "     | " | "       | "          | "          |
| Indeno(1,2,3-cd)pyrene | 0.00122  | 0.000627 | 0.00067 | "     | " | "       | "          | "          |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

B01@6'-WP

4/18/2023 4:38:00PM

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

Waypoint Analytical, LLC.  
Y304416-01 (Soil)

## PAH by 8270D SIM

|        |         |          |         |       |   |         |            |            |
|--------|---------|----------|---------|-------|---|---------|------------|------------|
| Pyrene | 0.00255 | 0.000643 | 0.00067 | mg/Kg | 1 | L677722 | 04/23/2023 | 04/23/2023 |
|--------|---------|----------|---------|-------|---|---------|------------|------------|

|                             |        |        |   |   |   |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 52.9 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14  | 62.5 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5  | 57.7 % | 29-110 | " | " | " |

## pH in Soil by 9045D

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.35 | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|----------|---|---------|------------|------------|

## SAR by 20B Saturated Paste

|     |      |     |   |         |            |            |
|-----|------|-----|---|---------|------------|------------|
| SAR | 3.32 | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|-----|---|---------|------------|------------|

## Specific Conductance Mod. 9050A

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.946 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

## Table 915 metals by EPA 6020B

|         |       |        |       |    |         |            |            |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.43  | 0.0912 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Barium  | 61.1  | 9.12   | "     | "  | "       | "          | "          |
| Cadmium | 0.107 | 0.0912 | "     | "  | "       | "          | "          |
| Copper  | ND    | 9.12   | "     | "  | "       | "          | "          |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

B01@6'-WP

4/18/2023 4:38:00PM

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

Origins Laboratory, Inc.  
Y304416-01 (Soil)

## Table 915 metals by EPA 6020B

|          |    |        |       |    |         |            |            |
|----------|----|--------|-------|----|---------|------------|------------|
| Lead     | ND | 9.12   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Nickel   | ND | 9.12   | "     | "  | "       | "          | "          |
| Selenium | ND | 0.0912 | "     | "  | "       | "          | "          |
| Silver   | ND | 0.0912 | "     | "  | "       | "          | "          |
| Zinc     | ND | 91.2   | "     | "  | "       | "          | "          |

## Total Metals by 7196A

|                      |    |       |     |       |   |         |            |            |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

WH-Riser@5'  
4/18/2023 4:39:00PM

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

Origins Laboratory, Inc.  
Y304416-02 (Soil)

## Boron (DTPA Sorbitol)

|       |       |        |      |   |         |            |            |  |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.575 | 0.0982 | mg/L | 1 | B3D2109 | 04/21/2023 | 04/25/2023 |  |
|-------|-------|--------|------|---|---------|------------|------------|--|

## DRO/ORO by EPA 8015D

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3D1921 | 04/19/2023 | 04/19/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | "          | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 96.4 % | 50-150 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

## GBTEX+TMBs by 8260D

|                             |    |         |       |   |         |            |            |   |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene      | ND | 0.00200 | mg/kg | 1 | B3D1930 | 04/19/2023 | 04/19/2023 | 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.



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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## WH-Riser@5'

4/18/2023 4:39:00PM

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

## Origins Laboratory, Inc. Y304416-02 (Soil)

### GBTEX+TMBs by 8260D

|                                  |        |  |        |  |  |             |            |            |  |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 76.0 % |  | 70-130 |  |  | B3D19<br>30 | 04/19/2023 | 04/19/2023 |  |
| Surrogate: Toluene-d8            | 92.7 % |  | 70-130 |  |  | "           | "          | "          |  |
| Surrogate: 4-Bromofluorobenzene  | 98.6 % |  | 70-130 |  |  | "           | "          | "          |  |

### Metals by Saturated Paste by EPA 6010

|           |      |  |       |       |    |        |            |            |  |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium   | 2.73 |  | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |  |
| Magnesium | 2.16 |  | 0.823 | "     | "  | "      | "          | "          |  |
| Sodium    | 6.78 |  | 0.435 | "     | "  | "      | "          | "          |  |

### PAH by 8270D SIM

|                       |    |          |         |       |   |         |            |            |  |
|-----------------------|----|----------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene   | ND | 0.00109  | 0.00201 | mg/Kg | 1 | L677722 | 04/23/2023 | 04/23/2023 |  |
| 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.



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: 09A1417271  
Project: KMG - Shutt 20-34 WH

WH-Riser@5'  
4/18/2023 4:39:00PM

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

Waypoint Analytical, LLC.  
Y304416-02 (Soil)

## PAH by 8270D SIM

|                        |          |          |         |       |   |         |            |            |   |
|------------------------|----------|----------|---------|-------|---|---------|------------|------------|---|
| Fluoranthene           | ND       | 0.000394 | 0.00067 | mg/Kg | 1 | L677722 | 04/23/2023 | 04/23/2023 |   |
| Fluorene               | 0.000652 | 0.000286 | 0.00067 | "     | " | "       | "          | "          | J |
| Indeno(1,2,3-cd)pyrene | 0.000689 | 0.000627 | 0.00067 | "     | " | "       | "          | "          |   |
| Pyrene                 | 0.00118  | 0.000643 | 0.00067 | "     | " | "       | "          | "          |   |

|                             |        |        |   |   |   |
|-----------------------------|--------|--------|---|---|---|
| Surrogate: 2-Fluorobiphenyl | 52.3 % | 33-115 | " | " | " |
| Surrogate: 4-Terphenyl-d14  | 58.9 % | 33-122 | " | " | " |
| Surrogate: Nitrobenzene-d5  | 54.7 % | 29-110 | " | " | " |

## pH in Soil by 9045D

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.52 | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|----------|---|---------|------------|------------|

## SAR by 20B Saturated Paste

|     |      |     |   |         |            |            |
|-----|------|-----|---|---------|------------|------------|
| SAR | 4.34 | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|-----|---|---------|------------|------------|

## Specific Conductance Mod. 9050A

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.39 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

## Table 915 metals by EPA 6020B

|         |      |        |       |    |         |            |            |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.22 | 0.0851 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
|---------|------|--------|-------|----|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

WH-Riser@5'  
4/18/2023 4:39:00PM

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

Origins Laboratory, Inc.  
Y304416-02 (Soil)

### Table 915 metals by EPA 6020B

|          |       |        |       |    |         |            |            |
|----------|-------|--------|-------|----|---------|------------|------------|
| Barium   | 60.4  | 8.51   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Cadmium  | 0.114 | 0.0851 | "     | "  | "       | "          | "          |
| Copper   | ND    | 8.51   | "     | "  | "       | "          | "          |
| Lead     | ND    | 8.51   | "     | "  | "       | "          | "          |
| Nickel   | ND    | 8.51   | "     | "  | "       | "          | "          |
| Selenium | 0.102 | 0.0851 | "     | "  | "       | "          | "          |
| Silver   | ND    | 0.0851 | "     | "  | "       | "          | "          |
| Zinc     | ND    | 85.1   | "     | "  | "       | "          | "          |

### Total Metals by 7196A

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.248 | 0.509 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG01@3'  
4/18/2023 5:03:00PM

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

Origins Laboratory, Inc.  
Y304416-03 (Soil)

## Boron (DTPA Sorbitol)

|       |       |       |      |   |         |            |            |
|-------|-------|-------|------|---|---------|------------|------------|
| Boron | 0.966 | 0.100 | mg/L | 1 | B3D2109 | 04/21/2023 | 04/25/2023 |
|-------|-------|-------|------|---|---------|------------|------------|

## Metals by Saturated Paste by EPA 6010

|           |       |       |       |    |        |            |            |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium   | 0.947 | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |
| Magnesium | 1.18  | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 8.45  | 0.435 | "     | "  | "      | "          | "          |

## pH in Soil by 9045D

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.64 |  | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

## SAR by 20B Saturated Paste

|     |      |  |     |   |         |            |            |
|-----|------|--|-----|---|---------|------------|------------|
| SAR | 8.19 |  | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|--|-----|---|---------|------------|------------|

## Specific Conductance Mod. 9050A

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.20 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

## Table 915 metals by EPA 6020B

|         |        |        |       |    |         |            |            |
|---------|--------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.10   | 0.0909 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Barium  | 50.2   | 9.09   | "     | "  | "       | "          | "          |
| Cadmium | 0.0964 | 0.0909 | "     | "  | "       | "          | "          |
| Copper  | ND     | 9.09   | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG01@3'

4/18/2023 5:03:00PM

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

Origins Laboratory, Inc.  
Y304416-03 (Soil)

### Table 915 metals by EPA 6020B

|          |    |        |       |    |         |            |            |
|----------|----|--------|-------|----|---------|------------|------------|
| Lead     | ND | 9.09   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Nickel   | ND | 9.09   | "     | "  | "       | "          | "          |
| Selenium | ND | 0.0909 | "     | "  | "       | "          | "          |
| Silver   | ND | 0.0909 | "     | "  | "       | "          | "          |
| Zinc     | ND | 90.9   | "     | "  | "       | "          | "          |

### Total Metals by 7196A

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.245 | 0.503 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG01@6'  
4/18/2023 5:04:00PM

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

Origins Laboratory, Inc.  
Y304416-04 (Soil)

## Boron (DTPA Sorbitol)

|       |       |        |      |   |         |            |            |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.295 | 0.0995 | mg/L | 1 | B3D2109 | 04/21/2023 | 04/25/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

## Metals by Saturated Paste by EPA 6010

|           |      |       |       |    |        |            |            |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium   | 1.99 | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |
| Magnesium | 2.28 | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 5.94 | 0.435 | "     | "  | "      | "          | "          |

## pH in Soil by 9045D

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.53 |  | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

## SAR by 20B Saturated Paste

|     |      |  |     |   |         |            |            |
|-----|------|--|-----|---|---------|------------|------------|
| SAR | 4.07 |  | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|--|-----|---|---------|------------|------------|

## Specific Conductance Mod. 9050A

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.05 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

## Table 915 metals by EPA 6020B

|         |      |        |       |    |         |            |            |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.10 | 0.0943 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Barium  | 71.5 | 9.43   | "     | "  | "       | "          | "          |
| Cadmium | ND   | 0.0943 | "     | "  | "       | "          | "          |
| Copper  | ND   | 9.43   | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG01@6'

4/18/2023 5:04:00PM

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

Origins Laboratory, Inc.  
Y304416-04 (Soil)

Table 915 metals by EPA 6020B

|          |       |        |       |    |         |            |            |
|----------|-------|--------|-------|----|---------|------------|------------|
| Lead     | ND    | 9.43   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Nickel   | ND    | 9.43   | "     | "  | "       | "          | "          |
| Selenium | 0.130 | 0.0943 | "     | "  | "       | "          | "          |
| Silver   | ND    | 0.0943 | "     | "  | "       | "          | "          |
| Zinc     | ND    | 94.3   | "     | "  | "       | "          | "          |

Total Metals by 7196A

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.248 | 0.509 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG02@3'  
4/18/2023 5:06:00PM

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

Origins Laboratory, Inc.  
Y304416-05 (Soil)

## Boron (DTPA Sorbitol)

|       |       |        |      |   |         |            |            |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.303 | 0.0994 | mg/L | 1 | B3D2109 | 04/21/2023 | 04/25/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

## Metals by Saturated Paste by EPA 6010

|           |      |       |       |    |        |            |            |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium   | 1.79 | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |
| Magnesium | 1.24 | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 3.72 | 0.435 | "     | "  | "      | "          | "          |

## pH in Soil by 9045D

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.48 |  | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

## SAR by 20B Saturated Paste

|     |      |  |     |   |         |            |            |
|-----|------|--|-----|---|---------|------------|------------|
| SAR | 3.02 |  | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|--|-----|---|---------|------------|------------|

## Specific Conductance Mod. 9050A

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.696 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

## Table 915 metals by EPA 6020B

|         |       |        |       |    |         |            |            |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 1.81  | 0.0925 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Barium  | 39.7  | 9.25   | "     | "  | "       | "          | "          |
| Cadmium | 0.130 | 0.0925 | "     | "  | "       | "          | "          |
| Copper  | ND    | 9.25   | "     | "  | "       | "          | "          |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG02@3'

4/18/2023 5:06:00PM

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

Origins Laboratory, Inc.  
Y304416-05 (Soil)

Table 915 metals by EPA 6020B

|          |       |        |       |    |         |            |            |
|----------|-------|--------|-------|----|---------|------------|------------|
| Lead     | ND    | 9.25   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Nickel   | ND    | 9.25   | "     | "  | "       | "          | "          |
| Selenium | 0.102 | 0.0925 | "     | "  | "       | "          | "          |
| Silver   | ND    | 0.0925 | "     | "  | "       | "          | "          |
| Zinc     | ND    | 92.5   | "     | "  | "       | "          | "          |

Total Metals by 7196A

|                      |    |       |     |       |   |         |            |            |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG02@6'  
4/18/2023 5:07:00PM

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

Origins Laboratory, Inc.  
Y304416-06 (Soil)

## Boron (DTPA Sorbitol)

|       |       |        |      |   |         |            |            |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.223 | 0.0980 | mg/L | 1 | B3D2109 | 04/21/2023 | 04/25/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

## Metals by Saturated Paste by EPA 6010

|           |       |       |       |    |        |            |            |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium   | 1.28  | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |
| Magnesium | 0.853 | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 3.08  | 0.435 | "     | "  | "      | "          | "          |

## pH in Soil by 9045D

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.43 |  | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

## SAR by 20B Saturated Paste

|     |      |  |     |   |         |            |            |
|-----|------|--|-----|---|---------|------------|------------|
| SAR | 2.98 |  | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|--|-----|---|---------|------------|------------|

## Specific Conductance Mod. 9050A

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.552 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

## Table 915 metals by EPA 6020B

|         |      |        |       |    |         |            |            |
|---------|------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.53 | 0.0940 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Barium  | 75.6 | 9.40   | "     | "  | "       | "          | "          |
| Cadmium | ND   | 0.0940 | "     | "  | "       | "          | "          |
| Copper  | ND   | 9.40   | "     | "  | "       | "          | "          |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

**Native-BG02@6'**

**4/18/2023 5:07:00PM**

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

**Origins Laboratory, Inc.**  
**Y304416-06 (Soil)**

**Table 915 metals by EPA 6020B**

|          |              |  |        |       |    |         |            |            |
|----------|--------------|--|--------|-------|----|---------|------------|------------|
| Lead     | ND           |  | 9.40   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Nickel   | ND           |  | 9.40   | "     | "  | "       | "          | "          |
| Selenium | <b>0.146</b> |  | 0.0940 | "     | "  | "       | "          | "          |
| Silver   | ND           |  | 0.0940 | "     | "  | "       | "          | "          |
| Zinc     | ND           |  | 94.0   | "     | "  | "       | "          | "          |

**Total Metals by 7196A**

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.249 | 0.512 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**Native-BG03@3'**  
**4/18/2023 5:10:00PM**

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

**Origins Laboratory, Inc.**  
**Y304416-07 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |        |      |   |         |            |            |
|-------|-------|--------|------|---|---------|------------|------------|
| Boron | 0.699 | 0.0998 | mg/L | 1 | B3D2405 | 04/24/2023 | 04/25/2023 |
|-------|-------|--------|------|---|---------|------------|------------|

**Metals by Saturated Paste by EPA 6010**

|           |       |       |       |    |        |            |            |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium   | 0.821 | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |
| Magnesium | 1.07  | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 10.7  | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.61 |  | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |      |  |     |   |         |            |            |
|-----|------|--|-----|---|---------|------------|------------|
| SAR | 11.0 |  | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.988 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|         |       |        |       |    |         |            |            |
|---------|-------|--------|-------|----|---------|------------|------------|
| Arsenic | 2.31  | 0.0935 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Barium  | 54.5  | 9.35   | "     | "  | "       | "          | "          |
| Cadmium | 0.111 | 0.0935 | "     | "  | "       | "          | "          |
| Copper  | ND    | 9.35   | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG03@3'

4/18/2023 5:10:00PM

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

Origins Laboratory, Inc.  
Y304416-07 (Soil)

Table 915 metals by EPA 6020B

|          |        |        |       |    |         |            |            |
|----------|--------|--------|-------|----|---------|------------|------------|
| Lead     | ND     | 9.35   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Nickel   | ND     | 9.35   | "     | "  | "       | "          | "          |
| Selenium | 0.0973 | 0.0935 | "     | "  | "       | "          | "          |
| Silver   | ND     | 0.0935 | "     | "  | "       | "          | "          |
| Zinc     | ND     | 93.5   | "     | "  | "       | "          | "          |

Total Metals by 7196A

|                      |    |       |   |       |   |         |            |            |
|----------------------|----|-------|---|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.488 | 1 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|---|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**Native-BG03@6'**  
**4/18/2023 5:11:00PM**

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

**Origins Laboratory, Inc.**  
**Y304416-08 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |       |      |   |         |            |            |
|-------|-------|-------|------|---|---------|------------|------------|
| Boron | 0.171 | 0.101 | mg/L | 1 | B3D2405 | 04/24/2023 | 04/25/2023 |
|-------|-------|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste by EPA 6010**

|           |      |       |       |    |        |            |            |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium   | 3.71 | 0.499 | meq/L | 10 | [CALC] | 04/24/2023 | 04/26/2023 |
| Magnesium | 2.51 | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 13.9 | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 8.36 |  | pH Units | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |      |  |     |   |         |            |            |
|-----|------|--|-----|---|---------|------------|------------|
| SAR | 7.90 |  | SAR | 1 | B3D2409 | 04/24/2023 | 04/26/2023 |
|-----|------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.93 | 0.00500 | mmhos/cm | 1 | B3D2413 | 04/24/2023 | 04/25/2023 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|         |        |        |       |    |         |            |            |
|---------|--------|--------|-------|----|---------|------------|------------|
| Arsenic | 3.83   | 0.0900 | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Barium  | 74.2   | 9.00   | "     | "  | "       | "          | "          |
| Cadmium | 0.0990 | 0.0900 | "     | "  | "       | "          | "          |
| Copper  | ND     | 9.00   | "     | "  | "       | "          | "          |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

Native-BG03@6'

4/18/2023 5:11:00PM

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

Origins Laboratory, Inc.  
Y304416-08 (Soil)

Table 915 metals by EPA 6020B

|          |    |        |       |    |         |            |            |
|----------|----|--------|-------|----|---------|------------|------------|
| Lead     | ND | 9.00   | mg/kg | 10 | B3D2119 | 04/21/2023 | 04/24/2023 |
| Nickel   | ND | 9.00   | "     | "  | "       | "          | "          |
| Selenium | ND | 0.0900 | "     | "  | "       | "          | "          |
| Silver   | ND | 0.0900 | "     | "  | "       | "          | "          |
| Zinc     | ND | 90.0   | "     | "  | "       | "          | "          |

Total Metals by 7196A

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.249 | 0.511 | mg/Kg | 1 | L677803 | 04/18/2023 | 04/24/2023 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## WH-GW01

4/18/2023 4:41:00PM

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

## Origins Laboratory, Inc. Y304416-09 (Water)

### Anions by IC 300.0

|          |     |  |      |      |     |         |            |            |  |
|----------|-----|--|------|------|-----|---------|------------|------------|--|
| Chloride | 150 |  | 31.2 | mg/L | 125 | B3D2102 | 04/21/2023 | 04/22/2023 |  |
| Sulfate  | 191 |  | 31.2 | "    | "   | "       | "          | "          |  |

### BTEX+N+TMBs by 8260D

|                        |      |  |      |      |   |         |            |            |   |
|------------------------|------|--|------|------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 3.22 |  | 2.00 | ug/L | 1 | B3D1926 | 04/19/2023 | 04/19/2023 |   |
| 1,3,5-Trimethylbenzene | ND   |  | 2.00 | "    | " | "       | "          | "          | U |
| Benzene                | ND   |  | 1.00 | "    | " | "       | "          | "          | U |
| Ethylbenzene           | 2.27 |  | 1.00 | "    | " | "       | "          | "          |   |
| Naphthalene            | ND   |  | 2.00 | "    | " | "       | "          | "          | U |
| Toluene                | ND   |  | 1.00 | "    | " | "       | "          | "          | U |
| Xylenes, total         | 3.18 |  | 1.00 | "    | " | "       | "          | "          |   |

|                                  |        |  |        |  |  |   |   |   |  |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 112 %  |  | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 93.7 % |  | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 92.8 % |  | 70-130 |  |  | " | " | " |  |

### Total Dissolved Solids by 2540C

|                        |     |  |      |      |   |         |            |            |  |
|------------------------|-----|--|------|------|---|---------|------------|------------|--|
| Total Dissolved Solids | 812 |  | 5.00 | mg/L | 1 | B3D2020 | 04/20/2023 | 04/20/2023 |  |
|------------------------|-----|--|------|------|---|---------|------------|------------|--|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

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 B3D1921 - EPA 3550B         |        |                 |       |             |   |      |             |     |           |       |
| Blank (B3D1921-BLK1)              |        |                 |       |             | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |             |     |           |       |
| Diesel (C10-C28)                  | ND     | 25.0            | mg/kg |             |   |      |             |     |           | U     |
| Residual Range Organics (C28-C40) | ND     | 100             | "     |             |   |      |             |     |           | U     |
| Surrogate: o-Terphenyl            | 25     |                 | "     | 24.9        |   | 101  | 50-150      |     |           |       |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

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 B3D1921 - EPA 3550B

LCS (B3D1921-BS1)

Prepared: 04/19/2023 Analyzed: 04/19/2023

|                                   |      |      |       |      |  |     |        |  |  |  |
|-----------------------------------|------|------|-------|------|--|-----|--------|--|--|--|
| Diesel (C10-C28)                  | 1060 | 50.0 | mg/kg | 1000 |  | 106 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 1080 | 200  | "     | 1000 |  | 108 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 50   |      | "     | 49.8 |  | 101 | 50-150 |  |  |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

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 B3D1921 - EPA 3550B

| Matrix Spike (B3D1921-MS1)        |      | Source: Y304415-01 |       |      | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |        |  |  |  |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28)                  | 1030 | 50.0               | mg/kg | 1000 | ND  | 103  | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 1030 | 200                | "     | 1000 | ND  | 103  | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 47   |                    | "     | 49.8 |   | 95.0 | 50-150 |  |  |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3D1921 - EPA 3550B              |        |                           |       |             |   |      |             |      |           |       |
| <b>Matrix Spike Dup (B3D1921-MSD1)</b> |        | <b>Source: Y304415-01</b> |       |             | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |             |      |           |       |
| Diesel (C10-C28)                       | 1040   | 50.0                      | mg/kg | 1000        | ND  | 104  | 70-130      | 1.03 | 35        |       |
| Residual Range Organics (C28-C40)      | 1050   | 200                       | "     | 1000        | ND  | 105  | 70-130      | 2.43 | 35        |       |
| Surrogate: o-Terphenyl                 | 47     |                           | "     | 49.8        |   | 95.2 | 50-150      |      |           |       |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3D1926 - EPA 5030B (Water) |        |                 |       |             |   |      |             |     |           |       |
| Blank (B3D1926-BLK1)              |        |                 |       |             | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |             |     |           |       |
| 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  | 66     |                 | "     | 62.5        |   | 106  | 70-130      |     |           |       |
| Surrogate: Toluene-d8             | 61     |                 | "     | 62.5        |   | 97.0 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene   | 58     |                 | "     | 62.5        |   | 93.3 | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3D1926 - EPA 5030B (Water)

#### LCS (B3D1926-BS1)

Prepared: 04/19/2023 Analyzed: 04/19/2023

|                                  |      |      |      |      |  |      |        |  |  |  |
|----------------------------------|------|------|------|------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene           | 50.4 | 2.00 | ug/L | 50.0 |  | 101  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 50.6 | 2.00 | "    | 50.0 |  | 101  | 70-130 |  |  |  |
| Benzene                          | 47.5 | 1.00 | "    | 50.0 |  | 95.0 | 70-130 |  |  |  |
| Ethylbenzene                     | 48.6 | 1.00 | "    | 50.0 |  | 97.1 | 70-130 |  |  |  |
| m,p-Xylene                       | 100  | 2.00 | "    | 100  |  | 100  | 70-130 |  |  |  |
| Naphthalene                      | 53.2 | 2.00 | "    | 50.0 |  | 106  | 70-130 |  |  |  |
| o-Xylene                         | 53.8 | 1.00 | "    | 50.0 |  | 108  | 70-130 |  |  |  |
| Toluene                          | 45.2 | 1.00 | "    | 50.0 |  | 90.4 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 62   |      | "    | 62.5 |  | 99.2 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 60   |      | "    | 62.5 |  | 96.5 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 63   |      | "    | 62.5 |  | 100  | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 B3D1926 - EPA 5030B (Water)**

| Matrix Spike (B3D1926-MS1)       |      | Source: Y304415-11 |      |      | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |        |  |  |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene           | 47.6 | 2.00               | ug/L | 50.0 | 0.320                                     | 94.5 | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 45.4 | 2.00               | "    | 50.0 | 0.360                                     | 90.1 | 70-130 |  |  |  |
| Benzene                          | 44.7 | 1.00               | "    | 50.0 | ND  | 89.4 | 70-130 |  |  |  |
| Ethylbenzene                     | 45.8 | 1.00               | "    | 50.0 | 0.330                                     | 90.9 | 70-130 |  |  |  |
| m,p-Xylene                       | 93.9 | 2.00               | "    | 100  | 0.430                                     | 93.5 | 70-130 |  |  |  |
| Naphthalene                      | 48.5 | 2.00               | "    | 50.0 | 0.160                                     | 96.7 | 70-130 |  |  |  |
| o-Xylene                         | 48.8 | 1.00               | "    | 50.0 | 0.470                                     | 96.6 | 70-130 |  |  |  |
| Toluene                          | 43.3 | 1.00               | "    | 50.0 | 0.770                                     | 85.0 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 61   |                    | "    | 62.5 |   | 97.8 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 61   |                    | "    | 62.5 |   | 97.3 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 62   |                    | "    | 62.5 |   | 99.5 | 70-130 |  |  |  |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3D1926 - EPA 5030B (Water)

| Matrix Spike Dup (B3D1926-MSD1)  |      | Source: Y304415-11 |      |      | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |        |       |    |  |
|----------------------------------|------|--------------------|------|------|---|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene           | 46.4 | 2.00               | ug/L | 50.0 | 0.320                                     | 92.3 | 70-130 | 2.40  | 20 |  |
| 1,3,5-Trimethylbenzene           | 43.7 | 2.00               | "    | 50.0 | 0.360                                     | 86.8 | 70-130 | 3.70  | 20 |  |
| Benzene                          | 45.0 | 1.00               | "    | 50.0 | ND  | 89.9 | 70-130 | 0.557 | 20 |  |
| Ethylbenzene                     | 44.1 | 1.00               | "    | 50.0 | 0.330                                     | 87.6 | 70-130 | 3.65  | 20 |  |
| m,p-Xylene                       | 91.2 | 2.00               | "    | 100  | 0.430                                     | 90.8 | 70-130 | 2.91  | 20 |  |
| Naphthalene                      | 49.9 | 2.00               | "    | 50.0 | 0.160                                     | 99.6 | 70-130 | 2.95  | 20 |  |
| o-Xylene                         | 47.4 | 1.00               | "    | 50.0 | 0.470                                     | 93.8 | 70-130 | 2.87  | 20 |  |
| Toluene                          | 43.2 | 1.00               | "    | 50.0 | 0.770                                     | 84.8 | 70-130 | 0.278 | 20 |  |
| Surrogate: 1,2-Dichloroethane-d4 | 63   |                    | "    | 62.5 |   | 101  | 70-130 |       |    |  |
| Surrogate: Toluene-d8            | 60   |                    | "    | 62.5 |   | 96.0 | 70-130 |       |    |  |
| Surrogate: 4-Bromofluorobenzene  | 62   |                    | "    | 62.5 |   | 98.5 | 70-130 |       |    |  |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

| Analyte                                | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B3D1930 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B3D1930-BLK1)</b>            |        |                 |       |             | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |             |     |           |       |
| 1,2,4-Trimethylbenzene                 | ND     | 0.00200         | mg/kg |             |   |      |             |     |           | U     |
| 1,3,5-Trimethylbenzene                 | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Benzene                                | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Naphthalene                            | ND     | 0.00380         | "     |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Gasoline Range Hydrocarbons            | ND     | 0.200           | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 0.093  |                 | "     | 0.125       |   | 74.2 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 0.12   |                 | "     | 0.125       |   | 95.5 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.12   |                 | "     | 0.125       |   | 97.5 | 70-130      |     |           |       |

Origins Laboratory, Inc.



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



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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

| Analyte                                | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B3D1930 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B3D1930-BS1)</b>               |        |                 |       |             | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |             |     |           |       |
| 1,2,4-Trimethylbenzene                 | 0.106  | 0.00200         | mg/kg | 0.100       |   | 106  | 70-130      |     |           |       |
| 1,3,5-Trimethylbenzene                 | 0.107  | 0.00200         | "     | 0.100       |   | 107  | 70-130      |     |           |       |
| Benzene                                | 0.0977 | 0.00200         | "     | 0.100       |   | 97.7 | 70-130      |     |           |       |
| Ethylbenzene                           | 0.0992 | 0.00200         | "     | 0.100       |   | 99.2 | 70-130      |     |           |       |
| Naphthalene                            | 0.118  | 0.00380         | "     | 0.100       |   | 118  | 70-130      |     |           |       |
| Toluene                                | 0.0963 | 0.00200         | "     | 0.100       |   | 96.3 | 70-130      |     |           |       |
| o-Xylene                               | 0.114  | 0.00200         | "     | 0.100       |   | 114  | 70-130      |     |           |       |
| m,p-Xylene                             | 0.214  | 0.00400         | "     | 0.200       |   | 107  | 70-130      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 0.092  |                 | "     | 0.125       |   | 73.8 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 0.12   |                 | "     | 0.125       |   | 97.6 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.12   |                 | "     | 0.125       |   | 96.9 | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

| Analyte                                | Result | Reporting Limit           | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B3D1930 - EPA 5030 (soil)</b> |        |                           |       |             |   |      |             |     |           |       |
| <b>Matrix Spike (B3D1930-MS1)</b>      |        | <b>Source: Y304415-01</b> |       |             | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |             |     |           |       |
| 1,2,4-Trimethylbenzene                 | 0.0984 | 0.00200                   | mg/kg | 0.100       | 0.000440                                  | 97.9 | 70-130      |     |           |       |
| 1,3,5-Trimethylbenzene                 | 0.0964 | 0.00200                   | "     | 0.100       | ND  | 96.4 | 70-130      |     |           |       |
| Benzene                                | 0.0886 | 0.00200                   | "     | 0.100       | ND  | 88.6 | 70-130      |     |           |       |
| Ethylbenzene                           | 0.0956 | 0.00200                   | "     | 0.100       | ND  | 95.6 | 70-130      |     |           |       |
| Naphthalene                            | 0.0979 | 0.00380                   | "     | 0.100       | 0.00118                                   | 96.8 | 70-130      |     |           |       |
| Toluene                                | 0.0860 | 0.00200                   | "     | 0.100       | ND  | 86.0 | 70-130      |     |           |       |
| o-Xylene                               | 0.102  | 0.00200                   | "     | 0.100       | ND  | 102  | 70-130      |     |           |       |
| m,p-Xylene                             | 0.204  | 0.00400                   | "     | 0.200       | ND  | 102  | 70-130      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 0.090  |                           | "     | 0.125       |   | 72.0 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 0.12   |                           | "     | 0.125       |   | 97.0 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.13   |                           | "     | 0.125       |   | 101  | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

| Analyte                                | Result | Reporting Limit           | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|---------------------------|-------|-------------|---|------|-------------|-------|-----------|-------|
| <b>Batch B3D1930 - EPA 5030 (soil)</b> |        |                           |       |             |   |      |             |       |           |       |
| <b>Matrix Spike Dup (B3D1930-MSD1)</b> |        | <b>Source: Y304415-01</b> |       |             | Prepared: 04/19/2023 Analyzed: 04/19/2023 |      |             |       |           |       |
| 1,2,4-Trimethylbenzene                 | 0.0991 | 0.00200                   | mg/kg | 0.100       | 0.000440                                  | 98.7 | 70-130      | 0.770 | 20        |       |
| 1,3,5-Trimethylbenzene                 | 0.0954 | 0.00200                   | "     | 0.100       | ND  | 95.4 | 70-130      | 1.04  | 20        |       |
| Benzene                                | 0.0933 | 0.00200                   | "     | 0.100       | ND  | 93.3 | 70-130      | 5.12  | 20        |       |
| Ethylbenzene                           | 0.0965 | 0.00200                   | "     | 0.100       | ND  | 96.5 | 70-130      | 0.874 | 20        |       |
| Naphthalene                            | 0.103  | 0.00380                   | "     | 0.100       | 0.00118                                   | 102  | 70-130      | 4.96  | 20        |       |
| Toluene                                | 0.0882 | 0.00200                   | "     | 0.100       | ND  | 88.2 | 70-130      | 2.52  | 20        |       |
| o-Xylene                               | 0.104  | 0.00200                   | "     | 0.100       | ND  | 104  | 70-130      | 1.71  | 20        |       |
| m,p-Xylene                             | 0.206  | 0.00400                   | "     | 0.200       | ND  | 103  | 70-130      | 0.653 | 20        |       |
| Surrogate: 1,2-Dichloroethane-d4       | 0.093  |                           | "     | 0.125       |   | 74.0 | 70-130      |       |           |       |
| Surrogate: Toluene-d8                  | 0.12   |                           | "     | 0.125       |   | 95.3 | 70-130      |       |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.13   |                           | "     | 0.125       |   | 101  | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3D2119 - EPA 3050B

#### Blank (B3D2119-BLK1)

Prepared: 04/21/2023 Analyzed: 04/24/2023

|          |    |          |       |
|----------|----|----------|-------|
| 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 (B3D2119-BS1)

Prepared: 04/21/2023 Analyzed: 04/24/2023

|          |        |          |       |        |     |        |
|----------|--------|----------|-------|--------|-----|--------|
| Arsenic  | 0.0544 | 0.000100 | mg/kg | 0.0500 | 109 | 80-120 |
| Barium   | 5.22   | 0.0100   | "     | 5.00   | 104 | 80-120 |
| Cadmium  | 0.0526 | 0.000100 | "     | 0.0500 | 105 | 80-120 |
| Copper   | 0.533  | 0.0100   | "     | 0.500  | 107 | 80-120 |
| Lead     | 0.0520 | 0.0100   | "     | 0.0500 | 104 | 80-120 |
| Nickel   | 0.0560 | 0.0100   | "     | 0.0500 | 112 | 80-120 |
| Selenium | 0.0557 | 0.000100 | "     | 0.0500 | 111 | 80-120 |
| Silver   | 0.0525 | 0.000100 | "     | 0.0500 | 105 | 80-120 |
| Zinc     | 0.546  | 0.100    | "     | 0.500  | 109 | 80-120 |

#### Matrix Spike (B3D2119-MS1)

Source: Y304416-01

Prepared: 04/21/2023 Analyzed: 04/24/2023

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3D2119 - EPA 3050B

| Matrix Spike (B3D2119-MS1)      |      | Source: Y304416-01 |       |      | Prepared: 04/21/2023 Analyzed: 04/24/2023 |      |        |      |    |  |
|---------------------------------|------|--------------------|-------|------|---|------|--------|------|----|--|
| Arsenic                         | 7.01 | 0.0860             | mg/kg | 4.30 | 2.43                                      | 107  | 75-125 |      |    |  |
| Barium                          | 521  | 8.60               | "     | 430  | 61.1                                      | 107  | 75-125 |      |    |  |
| Cadmium                         | 4.64 | 0.0860             | "     | 4.30 | 0.107                                     | 106  | 75-125 |      |    |  |
| Copper                          | 47.0 | 8.60               | "     | 43.0 | 6.74                                      | 93.6 | 75-125 |      |    |  |
| Lead                            | 11.9 | 8.60               | "     | 4.30 | 8.04                                      | 89.2 | 75-125 |      |    |  |
| Nickel                          | 10.6 | 8.60               | "     | 4.30 | 5.70                                      | 115  | 75-125 |      |    |  |
| Selenium                        | 4.60 | 0.0860             | "     | 4.30 | 0.0858                                    | 105  | 75-125 |      |    |  |
| Silver                          | 4.54 | 0.0860             | "     | 4.30 | 0.0347                                    | 105  | 75-125 |      |    |  |
| Zinc                            | 71.1 | 86.0               | "     | 43.0 | 24.5                                      | 109  | 75-125 |      |    |  |
| Matrix Spike Dup (B3D2119-MSD1) |      | Source: Y304416-01 |       |      | Prepared: 04/21/2023 Analyzed: 04/24/2023 |      |        |      |    |  |
| Arsenic                         | 7.58 | 0.0964             | mg/kg | 4.82 | 2.43                                      | 107  | 75-125 | 7.84 | 20 |  |
| Barium                          | 576  | 9.64               | "     | 482  | 61.1                                      | 107  | 75-125 | 10.1 | 20 |  |
| Cadmium                         | 5.21 | 0.0964             | "     | 4.82 | 0.107                                     | 106  | 75-125 | 11.5 | 20 |  |
| Copper                          | 52.8 | 9.64               | "     | 48.2 | 6.74                                      | 95.6 | 75-125 | 11.7 | 20 |  |
| Lead                            | 13.5 | 9.64               | "     | 4.82 | 8.04                                      | 113  | 75-125 | 12.8 | 20 |  |
| Nickel                          | 11.4 | 9.64               | "     | 4.82 | 5.70                                      | 117  | 75-125 | 6.44 | 20 |  |
| Selenium                        | 5.17 | 0.0964             | "     | 4.82 | 0.0858                                    | 105  | 75-125 | 11.5 | 20 |  |
| Silver                          | 5.03 | 0.0964             | "     | 4.82 | 0.0347                                    | 104  | 75-125 | 10.2 | 20 |  |
| Zinc                            | 76.5 | 96.4               | "     | 48.2 | 24.5                                      | 108  | 75-125 | 7.22 | 20 |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## Classical Chemistry Parameters - Quality Control

### Origins Laboratory, Inc.

| Analyte   | Result | Reporting Limit | Units | Spike Level | Source Result  | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|--|------|-------------|--------|-----------|-------|
| <b>Batch B3D2020 - NO PREP</b>                    |        |                 |       |             |  |      |             |        |           |       |
| <b>Blank (B3D2020-BLK1)</b>                       |        |                 |       |             | Prepared: 04/20/2023 Analyzed: 04/20/2023                    |      |             |        |           |       |
| Total Dissolved Solids                            | ND     | 5.00            | mg/L  |             |  |      |             |        |           |       |
| <b>LCS (B3D2020-BS1)</b>                          |        |                 |       |             | Prepared: 04/20/2023 Analyzed: 04/20/2023                    |      |             |        |           |       |
| Total Dissolved Solids                            | 1020   | 5.00            | mg/L  | 1010        |  | 101  | 90-110      |        |           |       |
| <b>Duplicate (B3D2020-DUP1)</b>                   |        |                 |       |             | Source: Y304428-02 Prepared: 04/20/2023 Analyzed: 04/20/2023 |      |             |        |           |       |
| Total Dissolved Solids                            | 5920   | 5.00            | mg/L  |             | 5920   |      |             | 0.0845 | 10        |       |
| <b>Batch B3D2102 - Filter .45um non acidified</b> |        |                 |       |             |  |      |             |        |           |       |
| <b>Blank (B3D2102-BLK1)</b>                       |        |                 |       |             | Prepared: 04/21/2023 Analyzed: 04/21/2023                    |      |             |        |           |       |
| Chloride  | ND     | 0.250           | mg/L  |             |  |      |             |        |           |       |
| Sulfate   | ND     | 0.250           | "     |             |  |      |             |        |           |       |
| <b>LCS (B3D2102-BS1)</b>                          |        |                 |       |             | Prepared: 04/21/2023 Analyzed: 04/21/2023                    |      |             |        |           |       |
| Chloride  | 3.65   | 0.250           | mg/L  | 4.00        |  | 91.4 | 90-110      |        |           |       |
| Sulfate   | 3.69   | 0.250           | "     | 4.00        |  | 92.3 | 90-110      |        |           |       |
| <b>Matrix Spike (B3D2102-MS1)</b>                 |        |                 |       |             | Source: Y304431-12 Prepared: 04/21/2023 Analyzed: 04/22/2023 |      |             |        |           |       |
| Chloride  | 550    |                 | mg/L  | 500         | 37.4   | 103  | 90-110      |        |           |       |
| Sulfate   | 1700   |                 | "     | 500         | 1250   | 89.6 | 90-110      |        |           | QM-07 |
| <b>Matrix Spike Dup (B3D2102-MSD1)</b>            |        |                 |       |             | Source: Y304431-12 Prepared: 04/21/2023 Analyzed: 04/22/2023 |      |             |        |           |       |
| Chloride  | 548    |                 | mg/L  | 500         | 37.4   | 102  | 90-110      | 0.371  | 5         |       |
| Sulfate   | 1690   |                 | "     | 500         | 1250   | 87.8 | 90-110      | 0.534  | 5         | QM-07 |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3D2109 - DTPA Sorbitol Preparation

##### Blank (B3D2109-BLK1)

Prepared: 04/21/2023 Analyzed: 04/25/2023

Boron ND 0.100 mg/L

##### Duplicate (B3D2109-DUP1)

Source: Y304415-01

Prepared: 04/21/2023 Analyzed: 04/25/2023

Boron 0.438 0.0982 mg/L 0.457 4.30 50

#### Batch B3D2405 - DTPA Sorbitol Preparation

##### Blank (B3D2405-BLK1)

Prepared: 04/24/2023 Analyzed: 04/25/2023

Boron ND 0.100 mg/L

##### Duplicate (B3D2405-DUP1)

Source: Y304416-07

Prepared: 04/24/2023 Analyzed: 04/25/2023

Boron 0.620 0.0997 mg/L 0.699 12.0 50

#### Batch B3D2409 - Saturated Paste Metals

##### Blank (B3D2409-BLK1)

Prepared: 04/24/2023 Analyzed: 04/26/2023

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

##### Duplicate (B3D2409-DUP1)

Source: Y304415-02

Prepared: 04/24/2023 Analyzed: 04/26/2023

Calcium PPM 17.7 10.0 mg/L 18.1 2.12 50

SAR 0.00 SAR 7.56 200 200

Magnesium PPM 6.77 10.0 mg/L 7.45 9.53 50

Sodium PPM 144 10.0 " 151 5.32 50

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

| Analyte                                      | Result | Reporting Limit | Units    | Spike Level | Source Result   | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|-----------------|----------|-------------|---|------|-------------|-------|-----------|-------|
| <b>Batch B3D2413 - Saturated Paste pH/EC</b> |        |                 |          |             |   |      |             |       |           |       |
| <b>Blank (B3D2413-BLK1)</b>                  |        |                 |          |             | Prepared: 04/24/2023 Analyzed: 04/25/2023                           |      |             |       |           |       |
| Specific Conductance (EC)                    | ND     | 0.00500         | mmhos/cm |             |   |      |             |       |           |       |
| <b>Duplicate (B3D2413-DUP1)</b>              |        |                 |          |             | <b>Source: Y304415-02</b> Prepared: 04/24/2023 Analyzed: 04/25/2023 |      |             |       |           |       |
| pH   | 8.41   |                 | pH Units |             | 8.42  |      |             | 0.119 | 25        |       |
| Specific Conductance (EC)                    | 0.914  | 0.00500         | mmhos/cm |             | 0.921   |      |             | 0.741 | 25        |       |

Origins Laboratory, Inc.



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



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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 L677722 - 3550B**

| MSD (L 81042-MSD-L677722)   |        | Source: 81042 |           |       | Prepared: 04/23/2023 Analyzed: 04/23/2023 |      |        |      |    |   |
|-----------------------------|--------|---------------|-----------|-------|---|------|--------|------|----|---|
| 2-Methylnaphthalene         | 0.101  | 0.00201       | mg/Kg dry | 0.164 | 0.00244                                   | 60   | 30-130 | 8.5  | 30 |   |
| Chrysene                    | 0.218  | 0.00067       | "         | 0.164 | 0.0998                                    | 72   | 30-130 | 5.3  | 30 |   |
| Pyrene                      | 0.254  | 0.00067       | "         | 0.164 | 0.139                                     | 70.1 | 30-130 | 10.4 | 30 |   |
| Indeno(1,2,3-cd)pyrene      | 0.161  | 0.00067       | "         | 0.164 | 0.0984                                    | 38.1 | 30-130 | 11.1 | 30 |   |
| Fluorene                    | 0.119  | 0.00067       | "         | 0.164 | 0.00352                                   | 70.4 | 30-130 | 5.7  | 30 |   |
| Fluoranthene                | 0.301  | 0.00067       | "         | 0.164 | 0.16                                      | 85.9 | 30-130 | 10   | 30 |   |
| Dibenz(a,h)anthracene       | 0.131  | 0.00067       | "         | 0.164 | 0.0287                                    | 62.3 | 30-130 | 13.5 | 30 |   |
| Benzo(b)fluoranthene        | 0.187  | 0.00067       | "         | 0.164 | 0.119                                     | 41.4 | 30-130 | 7.7  | 30 |   |
| Benzo(a)pyrene              | 0.215  | 0.00067       | "         | 0.164 | 0.122                                     | 56.7 | 30-130 | 9.3  | 30 |   |
| Benzo(a)anthracene          | 0.205  | 0.00067       | "         | 0.164 | 0.104                                     | 61.5 | 30-130 | 6.6  | 30 |   |
| Anthracene                  | 0.13   | 0.00067       | "         | 0.164 | 0.0127                                    | 71.5 | 30-130 | 6.6  | 30 |   |
| Benzo(k)fluoranthene        | 0.11   | 0.00067       | "         | 0.164 | 0.0919                                    | 11   | 30-130 | 7    | 30 | * |
| 1-Methylnaphthalene         | 0.0986 | 0.00201       | "         | 0.164 | 0.00227                                   | 58.7 | 30-130 | 10.9 | 30 |   |
| Acenaphthene                | 0.112  | 0.00067       | "         | 0.164 | 0.00297                                   | 66.4 | 30-130 | 5.2  | 30 |   |
| Surrogate: Nitrobenzene-d5  | 50.1   |               | "         | 0.329 | 174                                       | 50.1 | 29-110 |      |    |   |
| Surrogate: 2-Fluorobiphenyl | 47.4   |               | "         | 0.329 | 170                                       | 47.4 | 33-115 |      |    |   |
| Surrogate: 4-Terphenyl-d14  | 56.2   |               | "         | 0.329 | 203                                       | 56.2 | 33-122 |      |    |   |

| MS (L 81042-MS-L677722) |       | Source: 81042 |           |       | Prepared: 04/23/2023 Analyzed: 04/23/2023 |      |        |  |  |   |
|-------------------------|-------|---------------|-----------|-------|---|------|--------|--|--|---|
| Chrysene                | 0.23  | 0.00067       | mg/Kg dry | 0.165 | 0.0998                                    | 78.9 | 30-130 |  |  |   |
| Fluoranthene            | 0.333 | 0.00067       | "         | 0.165 | 0.16                                      | 105  | 30-130 |  |  |   |
| Fluorene                | 0.126 | 0.00067       | "         | 0.165 | 0.00352                                   | 74.2 | 30-130 |  |  |   |
| Indeno(1,2,3-cd)pyrene  | 0.18  | 0.00067       | "         | 0.165 | 0.0984                                    | 49.4 | 30-130 |  |  |   |
| Pyrene                  | 0.282 | 0.00067       | "         | 0.165 | 0.139                                     | 86.6 | 30-130 |  |  |   |
| Benzo(k)fluoranthene    | 0.118 | 0.00067       | "         | 0.165 | 0.0919                                    | 15.8 | 30-130 |  |  | * |
| 1-Methylnaphthalene     | 0.11  | 0.00201       | "         | 0.165 | 0.00227                                   | 65.2 | 30-130 |  |  |   |
| Benzo(a)pyrene          | 0.236 | 0.00067       | "         | 0.165 | 0.122                                     | 69   | 30-130 |  |  |   |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 L677722 - 3550B**

| MS (L 81042-MS-L677722)     |       | Source: 81042 |           |       | Prepared: 04/23/2023 Analyzed: 04/23/2023 |      |        |  |  |  |
|-----------------------------|-------|---------------|-----------|-------|---|------|--------|--|--|--|
| Benzo(a)anthracene          | 0.219 | 0.00067       | mg/Kg dry | 0.165 | 0.104                                     | 69.6 | 30-130 |  |  |  |
| Anthracene                  | 0.139 | 0.00067       | "         | 0.165 | 0.0127                                    | 76.5 | 30-130 |  |  |  |
| Acenaphthene                | 0.118 | 0.00067       | "         | 0.165 | 0.00297                                   | 69.7 | 30-130 |  |  |  |
| 2-Methylnaphthalene         | 0.11  | 0.00201       | "         | 0.165 | 0.00244                                   | 65.1 | 30-130 |  |  |  |
| Benzo(b)fluoranthene        | 0.202 | 0.00067       | "         | 0.165 | 0.119                                     | 50.3 | 30-130 |  |  |  |
| Dibenz(a,h)anthracene       | 0.15  | 0.00067       | "         | 0.165 | 0.0287                                    | 73.5 | 30-130 |  |  |  |
| Surrogate: Nitrobenzene-d5  | 55.4  |               | "         | 0.33  | 174                                       | 55.4 | 29-110 |  |  |  |
| Surrogate: 4-Terphenyl-d14  | 61.5  |               | "         | 0.33  | 203                                       | 61.5 | 33-122 |  |  |  |
| Surrogate: 2-Fluorobiphenyl | 53.6  |               | "         | 0.33  | 170                                       | 53.6 | 33-115 |  |  |  |

| LCS (LCS-L677722)          |        | Prepared: 04/23/2023 Analyzed: 04/23/2023 |       |       |  |      |        |  |  |  |
|----------------------------|--------|---|-------|-------|--|------|--------|--|--|--|
| Benzo(b)fluoranthene       | 0.109  | 0.00067                                   | mg/Kg | 0.167 |  | 65.2 | 30-130 |  |  |  |
| Benzo(k)fluoranthene       | 0.0951 | 0.00067                                   | "     | 0.167 |  | 56.9 | 30-130 |  |  |  |
| Chrysene                   | 0.12   | 0.00067                                   | "     | 0.167 |  | 71.8 | 30-130 |  |  |  |
| Fluoranthene               | 0.131  | 0.00067                                   | "     | 0.167 |  | 78.4 | 30-130 |  |  |  |
| Indeno(1,2,3-cd)pyrene     | 0.13   | 0.00067                                   | "     | 0.167 |  | 77.8 | 30-130 |  |  |  |
| Benzo(a)pyrene             | 0.133  | 0.00067                                   | "     | 0.167 |  | 79.6 | 30-130 |  |  |  |
| Pyrene                     | 0.123  | 0.00067                                   | "     | 0.167 |  | 73.6 | 30-130 |  |  |  |
| Dibenz(a,h)anthracene      | 0.122  | 0.00067                                   | "     | 0.167 |  | 73   | 30-130 |  |  |  |
| Anthracene                 | 0.121  | 0.00067                                   | "     | 0.167 |  | 72.4 | 30-130 |  |  |  |
| Acenaphthene               | 0.113  | 0.00067                                   | "     | 0.167 |  | 67.6 | 30-130 |  |  |  |
| 2-Methylnaphthalene        | 0.112  | 0.00201                                   | "     | 0.167 |  | 67   | 30-130 |  |  |  |
| 1-Methylnaphthalene        | 0.112  | 0.00201                                   | "     | 0.167 |  | 67   | 30-130 |  |  |  |
| Fluorene                   | 0.122  | 0.00067                                   | "     | 0.167 |  | 73   | 30-130 |  |  |  |
| Benzo(a)anthracene         | 0.136  | 0.00067                                   | "     | 0.167 |  | 81.4 | 30-130 |  |  |  |
| Surrogate: Nitrobenzene-d5 | 62.7   |   | "     | 0.333 |  | 62.7 | 29-110 |  |  |  |
| Surrogate: 4-Terphenyl-d14 | 67.2   |   | "     | 0.333 |  | 67.2 | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 |
|------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch L677722 - 3550B</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (LCS-L677722)</b>     |        |                 |       |             | Prepared: 04/23/2023 Analyzed: 04/23/2023 |      |             |     |           |       |
| Surrogate: 2-Fluorobiphenyl  | 58.5   |                 | mg/Kg | 0.333       |   | 58.5 | 33-115      |     |           |       |
| <b>LRB (LRB-L677722)</b>     |        |                 |       |             | Prepared: 04/23/2023 Analyzed: 04/23/2023 |      |             |     |           |       |
| 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         | "     |             |   |      | -           |     |           |       |
| Pyrene                       | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Fluorene                     | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| 2-Methylnaphthalene          | ND     | 0.00201         | "     |             |   |      | -           |     |           |       |
| Fluoranthene                 | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Benzo(a)pyrene               | 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   | 63     |                 | "     | 0.333       |   | 63   | 33-122      |     |           |       |
| Surrogate: 2-Fluorobiphenyl  | 57.3   |                 | "     | 0.333       |   | 57.3 | 33-115      |     |           |       |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

| Analyte                  | Result | Reporting Limit           | Units | Spike Level | Source Result                  | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|--------|---------------------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| <b>Batch L677803 -</b>   |        |                           |       |             |                                |      |             |     |           |       |
| <b>DUP (L 81187-DUP)</b> |        | <b>Source: Y304416-08</b> |       |             | Prepared: Analyzed: 04/24/2023 |      |             |     |           |       |
| Chromium, Hexavalent     | ND     | 0.5                       | mg/Kg |             | 81187                          | -    |             | 0   | 20        |       |
| <b>MS (L 81187-MS)</b>   |        | <b>Source: Y304416-08</b> |       |             | Prepared: Analyzed: 04/24/2023 |      |             |     |           |       |
| Chromium, Hexavalent     | 31.5   | 2.51                      | mg/Kg | 40.2        | 81187                          | 78   | 75-125      |     |           |       |
| <b>LCS (LCS)</b>         |        |                           |       |             | Prepared: Analyzed: 04/24/2023 |      |             |     |           |       |
| Chromium, Hexavalent     | 6.67   | 0.5                       | mg/Kg | 8           |                                | 83   | 75-125      |     |           |       |
| <b>LRB (LRB)</b>         |        |                           |       |             | Prepared: Analyzed: 04/24/2023 |      |             |     |           |       |
| Chromium, Hexavalent     | ND     | 0.5                       | mg/Kg |             |                                |      |             |     |           |       |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

### Notes and Definitions

U Sample is Non-Detect.

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

J Estimated Value. Analyte below reported quantitation limit.

\* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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.*



May 22, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Shutt 20-34 WH

Project Number - 09A1417271

Attached are your analytical results for KMG - Shutt 20-34 WH received by Origins Laboratory, Inc. May 08, 2023. This project is associated with Origins project number Y305231-01.

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled      | Date Received    |
|-----------|---------------|--------|-------------------|------------------|
| N01@5'    | Y305231-01    | Soil   | May 8, 2023 13:30 | 05/08/2023 17:12 |
| E01@5'    | Y305231-02    | Soil   | May 8, 2023 13:35 | 05/08/2023 17:12 |
| S01@5'    | Y305231-03    | Soil   | May 8, 2023 13:40 | 05/08/2023 17:12 |
| W01@5'    | Y305231-04    | Soil   | May 8, 2023 13:45 | 05/08/2023 17:12 |
| W02@5'    | Y305231-05    | Soil   | May 8, 2023 13:50 | 05/08/2023 17:12 |
| B01@7'    | Y305231-06    | Soil   | May 8, 2023 13:55 | 05/08/2023 17:12 |

Barium rerun on sample W01@5' per the email from Jeremy on 05/10/23. JEP

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: 09A1417271

Project: KMG - Shutt 20-34 WH

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

**ORIGINS**  
LABORATORY, INC

IMPACTED

4305231

www.originslaboratory.com

page 1 of 1

Client: Ensolum

Address:

Project Manager: Jeremy Espinoza

Project Name: Shutt 20-34 Wellhead

Project Number: 09A1417271

Telephone Number:

Samples Collected By: ES

Email Address: KMG Team

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative |     |                  | Matrix |             | Analysis |                      |       |      |                     |      |       |    |         |        | Sample Instructions |         |          |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|--------|-------------|----------|----------------------|-------|------|---------------------|------|-------|----|---------|--------|---------------------|---------|----------|
|                       |              |              |                 | Unpreserved  | HCl | HNO <sub>3</sub> | Other  | Groundwater | Soil     | Air Summa Canister # | Other | BTEX | TPH (ORO, GPO, DRO) | PAHs | Boron | pH | Arsenic | Barium |                     | Cadmium | Selenium |
| N01a5'                | 5/8/23       | 1330         | 3               | X            |     |                  |        |             | X        |                      |       |      | X                   | X    | X     | X  | X       | X      | X                   | X       |          |
| E01a5'                |              | 1335         |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
| S01a5'                |              | 1340         |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
| W01a5'                |              | 1345         |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
| W02a5'                |              | 1350         |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
| B01a7'                |              | 1355         |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |
|                       |              |              |                 |              |     |                  |        |             |          |                      |       |      |                     |      |       |    |         |        |                     |         |          |

Temp Received -

Date Results Needed

Relinquished By: *[Signature]*  
Date: 5/8/23  
Time: 1712  
Received By: *[Signature]*  
Date: 5/8/23  
Time: 1712  
Turnaround Time:  
Same Day ☒ 24 Hr ☐  
48 Hr ☐ 72 Hr ☐  
Standard ☐

Origins Laboratory, Inc.

*[Signature]*

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



Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417271

Project: KMG - Shutt 20-34 WH

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: YB05231

Client: Ensolum

Client Project ID: Shutt 20-34 WH

Checklist Completed by: JM

Shipped Via: TD

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

Date/time completed: 5/8/23

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4 °C \_\_\_\_\_ °C \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: 7003

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

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

Reviewed by (Project Manager) JM

5/8/23  
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: 09A1417271  
Project: KMG - Shutt 20-34 WH

N01@5'

5/8/2023 1:30:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-01 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |        |      |   |         |            |            |  |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.177 | 0.0993 | mg/L | 1 | B3E0905 | 05/09/2023 | 05/10/2023 |  |
|-------|-------|--------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3E0819 | 05/08/2023 | 05/09/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | "          | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 83.6 % | 50-150 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

**GBTEX+TMBs by 8260D**

|                             |       |         |       |   |         |            |            |   |
|-----------------------------|-------|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene      | ND    | 0.00200 | mg/kg | 1 | B3E0820 | 05/08/2023 | 05/08/2023 | U |
| 1,3,5-Trimethylbenzene      | ND    | 0.00200 | "     | " | "       | "          | "          | U |
| Benzene                     | ND    | 0.00200 | "     | " | "       | "          | "          | U |
| Ethylbenzene                | ND    | 0.00200 | "     | " | "       | "          | "          | U |
| Toluene                     | ND    | 0.00200 | "     | " | "       | "          | "          | U |
| Xylenes, total              | ND    | 0.00200 | "     | " | "       | "          | "          | U |
| Gasoline Range Hydrocarbons | 0.221 | 0.200   | "     | " | "       | "          | "          |   |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 97.8 % | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 87.9 % | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

N01@5'

5/8/2023 1:30:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-01 (Soil)**

**GBTEX+TMBs by 8260D**

|                                 |       |        |             |            |            |
|---------------------------------|-------|--------|-------------|------------|------------|
| Surrogate: 4-Bromofluorobenzene | 107 % | 70-130 | B3E08<br>20 | 05/08/2023 | 05/08/2023 |
|---------------------------------|-------|--------|-------------|------------|------------|

**PAH by 8270D SIM**

|                             |        |          |         |       |   |         |            |            |
|-----------------------------|--------|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene         | ND     | 0.00109  | 0.00201 | mg/Kg | 1 | L682644 | 05/18/2023 | 05/18/2023 |
| 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 | "     | " | "       | "          | "          |
| Fluorene                    | ND     | 0.000286 | 0.00067 | "     | " | "       | "          | "          |
| Indeno(1,2,3-cd)pyrene      | ND     | 0.000627 | 0.00067 | "     | " | "       | "          | "          |
| Naphthalene                 | ND     | 0.00145  | 0.00201 | "     | " | "       | "          | "          |
| Pyrene                      | ND     | 0.000643 | 0.00067 | "     | " | "       | "          | "          |
| Surrogate: 2-Fluorobiphenyl | 48.2 % |          | 33-115  |       |   | "       | "          | "          |
| Surrogate: 4-Terphenyl-d14  | 59.1 % |          | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

N01@5'

5/8/2023 1:30:00PM

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

**Waypoint Analytical, LLC.**  
Y305231-01 (Soil)

**PAH by 8270D SIM**

|                            |        |        |             |            |            |
|----------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Nitrobenzene-d5 | 48.5 % | 29-110 | L6826<br>44 | 05/18/2023 | 05/18/2023 |
|----------------------------|--------|--------|-------------|------------|------------|

**pH in Soil by 9045D**

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.18 | pH Units | 1 | B3E0909 | 05/09/2023 | 05/10/2023 |
|----|------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|          |       |        |       |    |         |            |            |
|----------|-------|--------|-------|----|---------|------------|------------|
| Arsenic  | 2.71  | 0.0972 | mg/kg | 10 | B3E0817 | 05/08/2023 | 05/09/2023 |
| Barium   | 46.6  | 9.72   | "     | "  | "       | "          | "          |
| Cadmium  | 0.196 | 0.0972 | "     | "  | "       | "          | "          |
| Selenium | ND    | 0.0972 | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

E01@5'

5/8/2023 1:35:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-02 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |        |      |   |         |            |            |  |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.248 | 0.0982 | mg/L | 1 | B3E0905 | 05/09/2023 | 05/10/2023 |  |
|-------|-------|--------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3E0819 | 05/08/2023 | 05/09/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | "          | "          | U |

|                        |        |        |   |   |   |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 90.6 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

**GBTEX+TMBs by 8260D**

|                             |    |         |       |   |         |            |            |   |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene      | ND | 0.00200 | mg/kg | 1 | B3E0820 | 05/08/2023 | 05/09/2023 | U |
| 1,3,5-Trimethylbenzene      | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | "          | "          | U |

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

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

E01@5'

5/8/2023 1:35:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-02 (Soil)**

**GBTEX+TMBs by 8260D**

|                                 |        |  |        |  |  |             |            |            |  |
|---------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Toluene-d8           | 98.2 % |  | 70-130 |  |  | B3E08<br>20 | 05/08/2023 | 05/09/2023 |  |
| Surrogate: 4-Bromofluorobenzene | 95.0 % |  | 70-130 |  |  | "           | "          | "          |  |

**PAH by 8270D SIM**

|                             |        |          |         |       |   |         |            |            |  |
|-----------------------------|--------|----------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene         | ND     | 0.00109  | 0.00201 | mg/Kg | 1 | L682644 | 05/18/2023 | 05/18/2023 |  |
| 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 | "     | " | "       | "          | "          |  |
| Fluorene                    | ND     | 0.000286 | 0.00067 | "     | " | "       | "          | "          |  |
| Indeno(1,2,3-cd)pyrene      | ND     | 0.000627 | 0.00067 | "     | " | "       | "          | "          |  |
| Naphthalene                 | ND     | 0.00145  | 0.00201 | "     | " | "       | "          | "          |  |
| Pyrene                      | ND     | 0.000643 | 0.00067 | "     | " | "       | "          | "          |  |
| Surrogate: 2-Fluorobiphenyl | 55.7 % |          | 33-115  |       |   | "       | "          | "          |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

E01@5'

5/8/2023 1:35:00PM

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

**Waypoint Analytical, LLC.**  
**Y305231-02 (Soil)**

**PAH by 8270D SIM**

|                            |        |        |             |            |            |
|----------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 4-Terphenyl-d14 | 69.5 % | 33-122 | L6826<br>44 | 05/18/2023 | 05/18/2023 |
| Surrogate: Nitrobenzene-d5 | 53.8 % | 29-110 | "           | "          | "          |

**pH in Soil by 9045D**

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.18 | pH Units | 1 | B3E0909 | 05/09/2023 | 05/10/2023 |
|----|------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|          |      |        |       |    |         |            |            |
|----------|------|--------|-------|----|---------|------------|------------|
| Arsenic  | 1.89 | 0.0907 | mg/kg | 10 | B3E0817 | 05/08/2023 | 05/09/2023 |
| Barium   | 54.0 | 9.07   | "     | "  | "       | "          | "          |
| Cadmium  | ND   | 0.0907 | "     | "  | "       | "          | "          |
| Selenium | ND   | 0.0907 | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

S01@5'

5/8/2023 1:40:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-03 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |        |      |   |         |            |            |  |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.183 | 0.0981 | mg/L | 1 | B3E0905 | 05/09/2023 | 05/10/2023 |  |
|-------|-------|--------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3E0819 | 05/08/2023 | 05/09/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | "          | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 84.4 % | 50-150 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

**GBTEX+TMBs by 8260D**

|                             |    |         |       |   |         |            |            |   |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene      | ND | 0.00200 | mg/kg | 1 | B3E0820 | 05/08/2023 | 05/09/2023 | U |
| 1,3,5-Trimethylbenzene      | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 99.2 % | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

S01@5'

5/8/2023 1:40:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-03 (Soil)**

**GBTEX+TMBs by 8260D**

|                                 |        |        |             |            |            |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Toluene-d8           | 88.3 % | 70-130 | B3E08<br>20 | 05/08/2023 | 05/09/2023 |
| Surrogate: 4-Bromofluorobenzene | 106 %  | 70-130 | "           | "          | "          |

**PAH by 8270D SIM**

|                             |      |          |         |       |   |         |            |            |
|-----------------------------|------|----------|---------|-------|---|---------|------------|------------|
| 1-Methylnaphthalene         | ND   | 0.00109  | 0.00201 | mg/Kg | 1 | L682644 | 05/18/2023 | 05/18/2023 |
| 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 | "     | " | "       | "          | "          |
| Fluorene                    | ND   | 0.000286 | 0.00067 | "     | " | "       | "          | "          |
| Indeno(1,2,3-cd)pyrene      | ND   | 0.000627 | 0.00067 | "     | " | "       | "          | "          |
| Naphthalene                 | ND   | 0.00145  | 0.00201 | "     | " | "       | "          | "          |
| Pyrene                      | ND   | 0.000643 | 0.00067 | "     | " | "       | "          | "          |
| Surrogate: 2-Fluorobiphenyl | 61 % | 33-115   | "       | "     | " | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

S01@5'

5/8/2023 1:40:00PM

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

**Waypoint Analytical, LLC.**  
**Y305231-03 (Soil)**

**PAH by 8270D SIM**

|                            |        |        |             |            |            |
|----------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 4-Terphenyl-d14 | 76.3 % | 33-122 | L6826<br>44 | 05/18/2023 | 05/18/2023 |
| Surrogate: Nitrobenzene-d5 | 61.9 % | 29-110 | "           | "          | "          |

**pH in Soil by 9045D**

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.12 | pH Units | 1 | B3E0909 | 05/09/2023 | 05/10/2023 |
|----|------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|          |      |        |       |    |         |            |            |
|----------|------|--------|-------|----|---------|------------|------------|
| Arsenic  | 2.35 | 0.0886 | mg/kg | 10 | B3E0817 | 05/08/2023 | 05/09/2023 |
| Barium   | 76.0 | 8.86   | "     | "  | "       | "          | "          |
| Cadmium  | ND   | 0.0886 | "     | "  | "       | "          | "          |
| Selenium | ND   | 0.0886 | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

W01@5'

5/8/2023 1:45:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-04 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |        |      |   |         |            |            |  |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.256 | 0.0984 | mg/L | 1 | B3E0905 | 05/09/2023 | 05/10/2023 |  |
|-------|-------|--------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3E0819 | 05/08/2023 | 05/09/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | "          | "          | U |

|                        |        |        |   |   |   |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 84.7 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

**GBTEX+TMBs by 8260D**

|                             |    |         |       |   |         |            |            |   |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene      | ND | 0.00200 | mg/kg | 1 | B3E0820 | 05/08/2023 | 05/09/2023 | U |
| 1,3,5-Trimethylbenzene      | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | "          | "          | U |

|                                  |        |        |   |   |   |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 96.4 % | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

W01@5'

5/8/2023 1:45:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-04 (Soil)**

**GBTEX+TMBs by 8260D**

|                                 |        |        |             |            |            |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Toluene-d8           | 88.1 % | 70-130 | B3E08<br>20 | 05/08/2023 | 05/09/2023 |
| Surrogate: 4-Bromofluorobenzene | 108 %  | 70-130 | "           | "          | "          |

**pH in Soil by 9045D**

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.09 | pH Units | 1 | B3E0909 | 05/09/2023 | 05/10/2023 |
|----|------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|          |       |        |       |    |         |            |            |
|----------|-------|--------|-------|----|---------|------------|------------|
| Arsenic  | 2.28  | 0.0835 | mg/kg | 10 | B3E0817 | 05/08/2023 | 05/09/2023 |
| Barium   | 85.5  | 8.35   | "     | "  | "       | "          | "          |
| Cadmium  | 0.192 | 0.0835 | "     | "  | "       | "          | "          |
| Selenium | ND    | 0.0835 | "     | "  | "       | "          | "          |

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: 09A1417271

Project: KMG - Shutt 20-34 WH

W01@5'

5/8/2023 1:45:00PM

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

**Origins Laboratory, Inc.**

**Y305231-04RE1 (Soil)**

**Table 915 metals by EPA 6020B**

|        |      |      |       |    |         |            |            |
|--------|------|------|-------|----|---------|------------|------------|
| Barium | 67.4 | 8.91 | mg/kg | 10 | B3E1105 | 05/11/2023 | 05/12/2023 |
|--------|------|------|-------|----|---------|------------|------------|

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: 09A1417271

Project: KMG - Shutt 20-34 WH

W01@5'

5/8/2023 1:45:00PM

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

Origins Laboratory, Inc.

Y305231-04RE2 (Soil)

## Table 915 metals by EPA 6020B

|        |      |      |       |    |         |            |            |
|--------|------|------|-------|----|---------|------------|------------|
| Barium | 77.6 | 9.26 | mg/kg | 10 | B3E1105 | 05/11/2023 | 05/12/2023 |
|--------|------|------|-------|----|---------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

W02@5'

5/8/2023 1:50:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-05 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |        |      |   |         |            |            |  |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.160 | 0.0998 | mg/L | 1 | B3E0905 | 05/09/2023 | 05/10/2023 |  |
|-------|-------|--------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3E0819 | 05/08/2023 | 05/09/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | "          | "          | U |

|                        |        |        |  |  |   |   |   |  |
|------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 86.2 % | 50-150 |  |  | " | " | " |  |
|------------------------|--------|--------|--|--|---|---|---|--|

**GBTEX+TMBs by 8260D**

|                             |    |         |       |   |         |            |            |   |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene      | ND | 0.00200 | mg/kg | 1 | B3E0820 | 05/08/2023 | 05/09/2023 | U |
| 1,3,5-Trimethylbenzene      | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 98.7 % | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

W02@5'

5/8/2023 1:50:00PM

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

Origins Laboratory, Inc.  
Y305231-05 (Soil)

## GBTEX+TMBs by 8260D

|                                 |        |  |        |  |  |             |            |            |  |
|---------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Toluene-d8           | 87.8 % |  | 70-130 |  |  | B3E08<br>20 | 05/08/2023 | 05/09/2023 |  |
| Surrogate: 4-Bromofluorobenzene | 107 %  |  | 70-130 |  |  | "           | "          | "          |  |

## PAH by 8270D SIM

|                             |        |          |         |       |   |         |            |            |  |
|-----------------------------|--------|----------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene         | ND     | 0.00109  | 0.00201 | mg/Kg | 1 | L682644 | 05/18/2023 | 05/18/2023 |  |
| 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 | "     | " | "       | "          | "          |  |
| Fluorene                    | ND     | 0.000286 | 0.00067 | "     | " | "       | "          | "          |  |
| Indeno(1,2,3-cd)pyrene      | ND     | 0.000627 | 0.00067 | "     | " | "       | "          | "          |  |
| Naphthalene                 | ND     | 0.00145  | 0.00201 | "     | " | "       | "          | "          |  |
| Pyrene                      | ND     | 0.000643 | 0.00067 | "     | " | "       | "          | "          |  |
| Surrogate: 2-Fluorobiphenyl | 57.8 % |          | 33-115  |       |   | "       | "          | "          |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

W02@5'

5/8/2023 1:50:00PM

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

**Waypoint Analytical, LLC.**  
Y305231-05 (Soil)

**PAH by 8270D SIM**

|                            |        |        |             |            |            |
|----------------------------|--------|--------|-------------|------------|------------|
| Surrogate: 4-Terphenyl-d14 | 71.6 % | 33-122 | L6826<br>44 | 05/18/2023 | 05/18/2023 |
| Surrogate: Nitrobenzene-d5 | 55 %   | 29-110 | "           | "          | "          |

**pH in Soil by 9045D**

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.32 | pH Units | 1 | B3E0909 | 05/09/2023 | 05/10/2023 |
|----|------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|          |      |        |       |    |         |            |            |
|----------|------|--------|-------|----|---------|------------|------------|
| Arsenic  | 2.59 | 0.0903 | mg/kg | 10 | B3E0817 | 05/08/2023 | 05/09/2023 |
| Barium   | 67.4 | 9.03   | "     | "  | "       | "          | "          |
| Cadmium  | ND   | 0.0903 | "     | "  | "       | "          | "          |
| Selenium | ND   | 0.0903 | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

B01@7'

5/8/2023 1:55:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-06 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |        |      |   |         |            |            |  |
|-------|-------|--------|------|---|---------|------------|------------|--|
| Boron | 0.194 | 0.0995 | mg/L | 1 | B3E0905 | 05/09/2023 | 05/10/2023 |  |
|-------|-------|--------|------|---|---------|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |            |            |   |
|-----------------------------------|----|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B3E0819 | 05/08/2023 | 05/09/2023 | 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 | B3E0820 | 05/08/2023 | 05/09/2023 | U |
| 1,3,5-Trimethylbenzene      | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 98.7 % | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

B01@7'

5/8/2023 1:55:00PM

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

**Origins Laboratory, Inc.**  
**Y305231-06 (Soil)**

**GBTEX+TMBs by 8260D**

|                                 |        |        |             |            |            |
|---------------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Toluene-d8           | 88.4 % | 70-130 | B3E08<br>20 | 05/08/2023 | 05/09/2023 |
| Surrogate: 4-Bromofluorobenzene | 106 %  | 70-130 | "           | "          | "          |

**PAH by 8270D SIM**

|                             |          |          |         |       |   |         |            |            |   |
|-----------------------------|----------|----------|---------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene         | 0.00136  | 0.00109  | 0.00201 | mg/Kg | 1 | L682644 | 05/18/2023 | 05/18/2023 | J |
| 2-Methylnaphthalene         | ND       | 0.00194  | 0.00201 | "     | " | "       | "          | "          |   |
| Acenaphthene                | 0.000479 | 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                    | 0.00256  | 0.000624 | 0.00067 | "     | " | "       | "          | "          |   |
| Dibenz(a,h)anthracene       | ND       | 0.000614 | 0.00067 | "     | " | "       | "          | "          |   |
| Fluoranthene                | ND       | 0.000394 | 0.00067 | "     | " | "       | "          | "          |   |
| Fluorene                    | 0.00082  | 0.000286 | 0.00067 | "     | " | "       | "          | "          |   |
| Indeno(1,2,3-cd)pyrene      | ND       | 0.000627 | 0.00067 | "     | " | "       | "          | "          |   |
| Naphthalene                 | ND       | 0.00145  | 0.00201 | "     | " | "       | "          | "          |   |
| Pyrene                      | 0.0018   | 0.000643 | 0.00067 | "     | " | "       | "          | "          |   |
| Surrogate: 2-Fluorobiphenyl | 51.7 %   |          | 33-115  |       |   | "       | "          | "          |   |
| Surrogate: 4-Terphenyl-d14  | 65.7 %   |          | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

B01@7'

5/8/2023 1:55:00PM

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

**Waypoint Analytical, LLC.**  
Y305231-06 (Soil)

**PAH by 8270D SIM**

|                            |        |        |             |            |            |
|----------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Nitrobenzene-d5 | 48.6 % | 29-110 | L6826<br>44 | 05/18/2023 | 05/18/2023 |
|----------------------------|--------|--------|-------------|------------|------------|

**pH in Soil by 9045D**

|    |      |          |   |         |            |            |
|----|------|----------|---|---------|------------|------------|
| pH | 8.05 | pH Units | 1 | B3E0909 | 05/09/2023 | 05/10/2023 |
|----|------|----------|---|---------|------------|------------|

**Table 915 metals by EPA 6020B**

|          |       |        |       |    |         |            |            |
|----------|-------|--------|-------|----|---------|------------|------------|
| Arsenic  | 3.73  | 0.0880 | mg/kg | 10 | B3E0817 | 05/08/2023 | 05/09/2023 |
| Barium   | 73.2  | 8.80   | "     | "  | "       | "          | "          |
| Cadmium  | ND    | 0.0880 | "     | "  | "       | "          | "          |
| Selenium | 0.103 | 0.0880 | "     | "  | "       | "          | "          |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3E0819 - EPA 3550B         |        |                 |       |             |   |      |             |     |           |       |
| Blank (B3E0819-BLK1)              |        |                 |       |             | Prepared: 05/08/2023 Analyzed: 05/09/2023 |      |             |     |           |       |
| Diesel (C10-C28)                  | ND     | 25.0            | mg/kg |             |   |      |             |     |           | U     |
| Residual Range Organics (C28-C40) | ND     | 100             | "     |             |   |      |             |     |           | U     |
| Surrogate: o-Terphenyl            | 16     |                 | "     | 24.9        |   | 65.6 | 50-150      |     |           |       |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3E0819 - EPA 3550B

### LCS (B3E0819-BS1)

Prepared: 05/08/2023 Analyzed: 05/09/2023

|                                   |     |      |       |      |  |      |        |  |  |  |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28)                  | 840 | 50.0 | mg/kg | 1000 |  | 84.0 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 941 | 200  | "     | 1000 |  | 94.1 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 42  |      | "     | 49.8 |  | 83.6 | 50-150 |  |  |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3E0819 - EPA 3550B

| Matrix Spike (B3E0819-MS1)        |     | Source: Y305226-01 |       |      | Prepared: 05/08/2023 Analyzed: 05/09/2023 |      |        |  |  |  |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28)                  | 823 | 50.0               | mg/kg | 1000 | ND  | 82.3 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 912 | 200                | "     | 1000 | ND  | 91.2 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 38  |                    | "     | 49.8 |   | 76.8 | 50-150 |  |  |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3E0819 - EPA 3550B         |        |                    |       |             |   |      |             |       |           |       |
| Matrix Spike Dup (B3E0819-MSD1)   |        | Source: Y305226-01 |       |             | Prepared: 05/08/2023 Analyzed: 05/09/2023 |      |             |       |           |       |
| Diesel (C10-C28)                  | 845    | 50.0               | mg/kg | 1000        | ND  | 84.5 | 70-130      | 2.54  | 35        |       |
| Residual Range Organics (C28-C40) | 920    | 200                | "     | 1000        | ND  | 92.0 | 70-130      | 0.888 | 35        |       |
| Surrogate: o-Terphenyl            | 39     |                    | "     | 49.8        |   | 77.5 | 50-150      |       |           |       |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3E0820 - EPA 5030 (soil)  |        |                 |       |             |   |      |             |     |           |       |
| Blank (B3E0820-BLK1)             |        |                 |       |             | Prepared: 05/08/2023 Analyzed: 05/08/2023 |      |             |     |           |       |
| 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       |   | 87.9 | 70-130      |     |           |       |
| Surrogate: Toluene-d8            | 0.12   |                 | "     | 0.125       |   | 92.3 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene  | 0.13   |                 | "     | 0.125       |   | 107  | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 B3E0820 - EPA 5030 (soil)**

**LCS (B3E0820-BS1)**

Prepared: 05/08/2023 Analyzed: 05/08/2023

|                                  |        |         |       |       |  |      |        |  |  |  |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene           | 0.115  | 0.00200 | mg/kg | 0.100 |  | 115  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.117  | 0.00200 | "     | 0.100 |  | 117  | 70-130 |  |  |  |
| Benzene                          | 0.105  | 0.00200 | "     | 0.100 |  | 105  | 70-130 |  |  |  |
| Ethylbenzene                     | 0.113  | 0.00200 | "     | 0.100 |  | 113  | 70-130 |  |  |  |
| Naphthalene                      | 0.103  | 0.00380 | "     | 0.100 |  | 103  | 70-130 |  |  |  |
| Toluene                          | 0.0938 | 0.00200 | "     | 0.100 |  | 93.8 | 70-130 |  |  |  |
| o-Xylene                         | 0.111  | 0.00200 | "     | 0.100 |  | 111  | 70-130 |  |  |  |
| m,p-Xylene                       | 0.228  | 0.00400 | "     | 0.200 |  | 114  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12   |         | "     | 0.125 |  | 94.0 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.12   |         | "     | 0.125 |  | 93.0 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.13   |         | "     | 0.125 |  | 105  | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 B3E0820 - EPA 5030 (soil)**

| Matrix Spike (B3E0820-MS1)       |        | Source: Y305226-01 |       |       | Prepared: 05/08/2023 Analyzed: 05/08/2023 |      |        |  |  |  |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene           | 0.112  | 0.00200            | mg/kg | 0.100 | ND  | 112  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.114  | 0.00200            | "     | 0.100 | ND  | 114  | 70-130 |  |  |  |
| Benzene                          | 0.102  | 0.00200            | "     | 0.100 | ND  | 102  | 70-130 |  |  |  |
| Ethylbenzene                     | 0.110  | 0.00200            | "     | 0.100 | ND  | 110  | 70-130 |  |  |  |
| Naphthalene                      | 0.0984 | 0.00380            | "     | 0.100 | ND  | 98.4 | 70-130 |  |  |  |
| Toluene                          | 0.0909 | 0.00200            | "     | 0.100 | ND  | 90.9 | 70-130 |  |  |  |
| o-Xylene                         | 0.108  | 0.00200            | "     | 0.100 | ND  | 108  | 70-130 |  |  |  |
| m,p-Xylene                       | 0.220  | 0.00400            | "     | 0.200 | ND  | 110  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12   |                    | "     | 0.125 |   | 94.4 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.11   |                    | "     | 0.125 |   | 91.2 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.13   |                    | "     | 0.125 |   | 102  | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

| Analyte                                | Result                    | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|---------------------------|-----------------|-------|-------------|---|------|-------------|-------|-----------|-------|
| <b>Batch B3E0820 - EPA 5030 (soil)</b> |                           |                 |       |             |   |      |             |       |           |       |
| <b>Matrix Spike Dup (B3E0820-MSD1)</b> | <b>Source: Y305226-01</b> |                 |       |             | Prepared: 05/08/2023 Analyzed: 05/08/2023 |      |             |       |           |       |
| 1,2,4-Trimethylbenzene                 | 0.109                     | 0.00200         | mg/kg | 0.100       | ND  | 109  | 70-130      | 2.60  | 20        |       |
| 1,3,5-Trimethylbenzene                 | 0.113                     | 0.00200         | "     | 0.100       | ND  | 113  | 70-130      | 1.38  | 20        |       |
| Benzene                                | 0.100                     | 0.00200         | "     | 0.100       | ND  | 100  | 70-130      | 1.70  | 20        |       |
| Ethylbenzene                           | 0.109                     | 0.00200         | "     | 0.100       | ND  | 109  | 70-130      | 1.73  | 20        |       |
| Naphthalene                            | 0.102                     | 0.00380         | "     | 0.100       | ND  | 102  | 70-130      | 3.28  | 20        |       |
| Toluene                                | 0.0886                    | 0.00200         | "     | 0.100       | ND  | 88.6 | 70-130      | 2.56  | 20        |       |
| o-Xylene                               | 0.107                     | 0.00200         | "     | 0.100       | ND  | 107  | 70-130      | 0.687 | 20        |       |
| m,p-Xylene                             | 0.218                     | 0.00400         | "     | 0.200       | ND  | 109  | 70-130      | 1.10  | 20        |       |
| Surrogate: 1,2-Dichloroethane-d4       | 0.12                      |                 | "     | 0.125       |   | 96.3 | 70-130      |       |           |       |
| Surrogate: Toluene-d8                  | 0.12                      |                 | "     | 0.125       |   | 92.1 | 70-130      |       |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.13                      |                 | "     | 0.125       |   | 102  | 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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## 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 B3E0817 - EPA 3050B

##### Blank (B3E0817-BLK1)

Prepared: 05/08/2023 Analyzed: 05/09/2023

|          |    |          |       |
|----------|----|----------|-------|
| Arsenic  | ND | 0.000100 | mg/kg |
| Barium   | ND | 0.0100   | "     |
| Cadmium  | ND | 0.000100 | "     |
| Selenium | ND | 0.000100 | "     |

##### LCS (B3E0817-BS1)

Prepared: 05/08/2023 Analyzed: 05/09/2023

|          |        |          |       |        |  |     |        |
|----------|--------|----------|-------|--------|--|-----|--------|
| Arsenic  | 0.0530 | 0.000100 | mg/kg | 0.0500 |  | 106 | 80-120 |
| Barium   | 5.37   | 0.0100   | "     | 5.00   |  | 107 | 80-120 |
| Cadmium  | 0.0547 | 0.000100 | "     | 0.0500 |  | 109 | 80-120 |
| Selenium | 0.0525 | 0.000100 | "     | 0.0500 |  | 105 | 80-120 |

##### Matrix Spike (B3E0817-MS1)

Source: Y305226-01

Prepared: 05/08/2023 Analyzed: 05/09/2023

|          |      |        |       |      |       |      |        |
|----------|------|--------|-------|------|-------|------|--------|
| Arsenic  | 9.86 | 0.0904 | mg/kg | 4.52 | 4.82  | 111  | 75-125 |
| Barium   | 519  | 9.04   | "     | 452  | 38.5  | 106  | 75-125 |
| Cadmium  | 5.13 | 0.0904 | "     | 4.52 | 0.156 | 110  | 75-125 |
| Selenium | 4.53 | 0.0904 | "     | 4.52 | 0.166 | 96.5 | 75-125 |

##### Matrix Spike Dup (B3E0817-MSD1)

Source: Y305226-01

Prepared: 05/08/2023 Analyzed: 05/09/2023

|          |      |        |       |      |       |      |        |      |    |
|----------|------|--------|-------|------|-------|------|--------|------|----|
| Arsenic  | 9.31 | 0.0978 | mg/kg | 4.89 | 4.82  | 91.7 | 75-125 | 5.73 | 20 |
| Barium   | 539  | 9.78   | "     | 489  | 38.5  | 102  | 75-125 | 3.77 | 20 |
| Cadmium  | 5.30 | 0.0978 | "     | 4.89 | 0.156 | 105  | 75-125 | 3.24 | 20 |
| Selenium | 4.68 | 0.0978 | "     | 4.89 | 0.166 | 92.3 | 75-125 | 3.38 | 20 |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## Classical Chemistry Parameters - Quality Control

### Origins Laboratory, Inc.

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result  | %REC | %REC Limits | RPD  | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|--|------|-------------|------|-----------|-------|
| <b>Batch B3E0905 - DTPA Sorbitol Preparation</b> |        |                 |       |             |  |      |             |      |           |       |
| <b>Blank (B3E0905-BLK1)</b>                      |        |                 |       |             | Prepared: 05/09/2023 Analyzed: 05/10/2023                    |      |             |      |           |       |
| Boron  | ND     | 0.100           | mg/L  |             |  |      |             |      |           |       |
| <b>Duplicate (B3E0905-DUP1)</b>                  |        |                 |       |             | Source: Y305226-01 Prepared: 05/09/2023 Analyzed: 05/10/2023 |      |             |      |           |       |
| Boron  | 0.200  | 0.0988          | mg/L  |             | 0.211  |      |             | 5.37 | 50        |       |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

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

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

**Batch B3E0909 - Saturated Paste pH/EC**

|                                 |      |                           |          |  |   |  |  |       |    |  |
|---------------------------------|------|---------------------------|----------|--|---|--|--|-------|----|--|
| <b>Duplicate (B3E0909-DUP1)</b> |      | <b>Source: Y305230-01</b> |          |  | Prepared: 05/09/2023 Analyzed: 05/10/2023 |  |  |       |    |  |
| pH                              | 8.07 |                           | pH Units |  | 7.99                                      |  |  | 0.996 | 25 |  |

Origins Laboratory, Inc.



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

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

Jeremy Espinoza  
Project Number: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 L682644 - 3550B**

| <b>MSD (L 93966-MSD-L682644)</b> |        | <b>Source: 93966</b> |       |       | <b>Prepared: 05/18/2023 Analyzed: 05/18/2023</b> |      |        |      |    |  |
|----------------------------------|--------|----------------------|-------|-------|--|------|--------|------|----|--|
| Dibenz(a,h)anthracene            | 0.0939 | 0.00067              | mg/Kg | 0.163 | <0.000614  | 57.6 | 30-130 | 9.3  | 30 |  |
| Pyrene                           | 0.0945 | 0.00067              | "     | 0.163 | <0.000643  | 57.9 | 30-130 | 0.9  | 30 |  |
| Naphthalene                      | 0.083  | 0.00201              | "     | 0.163 | <0.00145   | 50.9 | 30-130 | 5.5  | 30 |  |
| Indeno(1,2,3-cd)pyrene           | 0.0824 | 0.00067              | "     | 0.163 | <0.000627  | 50.5 | 30-130 | 9.1  | 30 |  |
| Fluoranthene                     | 0.0963 | 0.00067              | "     | 0.163 | <0.000394  | 59   | 30-130 | 1.7  | 30 |  |
| Chrysene                         | 0.0974 | 0.00067              | "     | 0.163 | <0.000624  | 59.7 | 30-130 | 1    | 30 |  |
| Benzo(k)fluoranthene             | 0.105  | 0.00067              | "     | 0.163 | <0.000437  | 64.4 | 30-130 | 14.8 | 30 |  |
| 2-Methylnaphthalene              | 0.0791 | 0.00201              | "     | 0.163 | <0.00194   | 48.5 | 30-130 | 4.5  | 30 |  |
| 1-Methylnaphthalene              | 0.09   | 0.00201              | "     | 0.163 | <0.00109   | 55.2 | 30-130 | 0.6  | 30 |  |
| Fluorene                         | 0.0853 | 0.00067              | "     | 0.163 | <0.000286  | 52.3 | 30-130 | 1.6  | 30 |  |
| Benzo(b)fluoranthene             | 0.0795 | 0.00067              | "     | 0.163 | 0.00181  | 47.6 | 30-130 | 10.9 | 30 |  |
| Acenaphthene                     | 0.0883 | 0.00067              | "     | 0.163 | <0.000304  | 54.1 | 30-130 | 0.1  | 30 |  |
| Anthracene                       | 0.0864 | 0.00067              | "     | 0.163 | <0.000334  | 53   | 30-130 | 0.4  | 30 |  |
| Benzo(a)anthracene               | 0.0899 | 0.00067              | "     | 0.163 | <0.000493  | 55.1 | 30-130 | 3    | 30 |  |
| Benzo(a)pyrene                   | 0.0927 | 0.00067              | "     | 0.163 | <0.000468  | 56.8 | 30-130 | 2.4  | 30 |  |
| Surrogate: Nitrobenzene-d5       | 54.1   |                      | "     | 0.327 | 161  | 54.1 | 29-110 |      |    |  |
| Surrogate: 2-Fluorobiphenyl      | 55     |                      | "     | 0.327 | 173  | 55   | 33-115 |      |    |  |
| Surrogate: 4-Terphenyl-d14       | 65.1   |                      | "     | 0.327 | 216  | 65.1 | 33-122 |      |    |  |

| <b>MS (L 93966-MS-L682644)</b> |        | <b>Source: 93966</b> |       |       | <b>Prepared: 05/18/2023 Analyzed: 05/18/2023</b> |      |        |  |  |  |
|--------------------------------|--------|----------------------|-------|-------|--|------|--------|--|--|--|
| Benzo(k)fluoranthene           | 0.0905 | 0.00067              | mg/Kg | 0.167 | <0.000437  | 54.1 | 30-130 |  |  |  |
| Naphthalene                    | 0.0877 | 0.00201              | "     | 0.167 | <0.00145   | 52.5 | 30-130 |  |  |  |
| Indeno(1,2,3-cd)pyrene         | 0.0752 | 0.00067              | "     | 0.167 | <0.000627  | 45   | 30-130 |  |  |  |
| Fluorene                       | 0.0867 | 0.00067              | "     | 0.167 | <0.000286  | 51.9 | 30-130 |  |  |  |
| Fluoranthene                   | 0.0946 | 0.00067              | "     | 0.167 | <0.000394  | 56.6 | 30-130 |  |  |  |
| Dibenz(a,h)anthracene          | 0.0855 | 0.00067              | "     | 0.167 | <0.000614  | 51.1 | 30-130 |  |  |  |
| Chrysene                       | 0.0984 | 0.00067              | "     | 0.167 | <0.000624  | 58.9 | 30-130 |  |  |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 L682644 - 3550B**

| MS (L 93966-MS-L682644)     |        | Source: 93966 |       |       | Prepared: 05/18/2023 Analyzed: 05/18/2023 |      |        |  |  |  |
|-----------------------------|--------|---------------|-------|-------|---|------|--------|--|--|--|
| Pyrene                      | 0.0936 | 0.00067       | mg/Kg | 0.167 | <0.000643                                 | 56   | 30-130 |  |  |  |
| 1-Methylnaphthalene         | 0.0894 | 0.00201       | "     | 0.167 | <0.00109                                  | 53.5 | 30-130 |  |  |  |
| Benzo(a)pyrene              | 0.0905 | 0.00067       | "     | 0.167 | <0.000468                                 | 54.1 | 30-130 |  |  |  |
| Benzo(a)anthracene          | 0.0927 | 0.00067       | "     | 0.167 | <0.000493                                 | 55.5 | 30-130 |  |  |  |
| Anthracene                  | 0.086  | 0.00067       | "     | 0.167 | <0.000334                                 | 51.4 | 30-130 |  |  |  |
| Acenaphthene                | 0.0882 | 0.00067       | "     | 0.167 | <0.000304                                 | 52.8 | 30-130 |  |  |  |
| 2-Methylnaphthalene         | 0.0828 | 0.00201       | "     | 0.167 | <0.00194                                  | 49.5 | 30-130 |  |  |  |
| Benzo(b)fluoranthene        | 0.0887 | 0.00067       | "     | 0.167 | 0.00181                                   | 52   | 30-130 |  |  |  |
| Surrogate: Nitrobenzene-d5  | 52.2   |               | "     | 0.333 | 161                                       | 52.2 | 29-110 |  |  |  |
| Surrogate: 4-Terphenyl-d14  | 62.7   |               | "     | 0.333 | 216                                       | 62.7 | 33-122 |  |  |  |
| Surrogate: 2-Fluorobiphenyl | 53.4   |               | "     | 0.333 | 173                                       | 53.4 | 33-115 |  |  |  |

| LCS (LCS-L682644)      |        | Prepared: 05/18/2023 Analyzed: 05/18/2023 |       |       |  |      |        |  |  |  |
|------------------------|--------|---|-------|-------|--|------|--------|--|--|--|
| Chrysene               | 0.122  | 0.00067                                   | mg/Kg | 0.167 |  | 73   | 30-130 |  |  |  |
| Dibenz(a,h)anthracene  | 0.107  | 0.00067                                   | "     | 0.167 |  | 64   | 30-130 |  |  |  |
| Fluorene               | 0.105  | 0.00067                                   | "     | 0.167 |  | 62.8 | 30-130 |  |  |  |
| 1-Methylnaphthalene    | 0.112  | 0.00201                                   | "     | 0.167 |  | 67   | 30-130 |  |  |  |
| Naphthalene            | 0.108  | 0.00201                                   | "     | 0.167 |  | 64.6 | 30-130 |  |  |  |
| Benzo(k)fluoranthene   | 0.124  | 0.00067                                   | "     | 0.167 |  | 74.2 | 30-130 |  |  |  |
| Pyrene                 | 0.12   | 0.00067                                   | "     | 0.167 |  | 71.8 | 30-130 |  |  |  |
| Fluoranthene           | 0.12   | 0.00067                                   | "     | 0.167 |  | 71.8 | 30-130 |  |  |  |
| Benzo(a)pyrene         | 0.121  | 0.00067                                   | "     | 0.167 |  | 72.4 | 30-130 |  |  |  |
| Benzo(a)anthracene     | 0.112  | 0.00067                                   | "     | 0.167 |  | 67   | 30-130 |  |  |  |
| Anthracene             | 0.117  | 0.00067                                   | "     | 0.167 |  | 70   | 30-130 |  |  |  |
| Acenaphthene           | 0.11   | 0.00067                                   | "     | 0.167 |  | 65.8 | 30-130 |  |  |  |
| 2-Methylnaphthalene    | 0.1    | 0.00201                                   | "     | 0.167 |  | 59.8 | 30-130 |  |  |  |
| Indeno(1,2,3-cd)pyrene | 0.0965 | 0.00067                                   | "     | 0.167 |  | 57.7 | 30-130 |  |  |  |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

**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 |
|------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch L682644 - 3550B</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (LCS-L682644)</b>     |        |                 |       |             | Prepared: 05/18/2023 Analyzed: 05/18/2023 |      |             |     |           |       |
| Benzo(b)fluoranthene         | 0.103  | 0.00067         | mg/Kg | 0.167       |   | 61.6 | 30-130      |     |           |       |
| Surrogate: Nitrobenzene-d5   | 69.6   |                 | "     | 0.333       |   | 69.6 | 29-110      |     |           |       |
| Surrogate: 4-Terphenyl-d14   | 85.2   |                 | "     | 0.333       |   | 85.2 | 33-122      |     |           |       |
| Surrogate: 2-Fluorobiphenyl  | 73.2   |                 | "     | 0.333       |   | 73.2 | 33-115      |     |           |       |
| <b>LRB (LRB-L682644)</b>     |        |                 |       |             | Prepared: 05/18/2023 Analyzed: 05/18/2023 |      |             |     |           |       |
| Chrysene                     | ND     | 0.00067         | mg/Kg |             |   |      | -           |     |           |       |
| Dibenz(a,h)anthracene        | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Fluoranthene                 | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Fluorene                     | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Benzo(k)fluoranthene         | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Naphthalene                  | ND     | 0.00201         | "     |             |   |      | -           |     |           |       |
| Indeno(1,2,3-cd)pyrene       | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Benzo(b)fluoranthene         | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Benzo(a)pyrene               | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Benzo(a)anthracene           | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Acenaphthene                 | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| 2-Methylnaphthalene          | ND     | 0.00201         | "     |             |   |      | -           |     |           |       |
| 1-Methylnaphthalene          | ND     | 0.00201         | "     |             |   |      | -           |     |           |       |
| Pyrene                       | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Anthracene                   | ND     | 0.00067         | "     |             |   |      | -           |     |           |       |
| Surrogate: Nitrobenzene-d5   | 51     |                 | "     | 0.333       |   | 51   | 29-110      |     |           |       |
| Surrogate: 4-Terphenyl-d14   | 68.1   |                 | "     | 0.333       |   | 68.1 | 33-122      |     |           |       |
| Surrogate: 2-Fluorobiphenyl  | 53.1   |                 | "     | 0.333       |   | 53.1 | 33-115      |     |           |       |

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

### Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

Origins Laboratory, Inc.



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



June 07, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Shutt 20-34 WH

Project Number - 09A1417271

Attached are your analytical results for KMG - Shutt 20-34 WH received by Origins Laboratory, Inc. May 26, 2023. This project is associated with Origins project number Y305708-01.

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: 09A1417271

Project: KMG - Shutt 20-34 WH

### CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled      | Date Received    |
|-----------|---------------|--------|-------------------|------------------|
| BG-GW01   | Y305708-01    | Water  | May 26, 2023 9:42 | 05/26/2023 15:23 |

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: 09A1417271

Project: KMG - Shutt 20-34 WH

Origins Laboratory

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

## Sample Receipt Checklist

Origins Work Order: Y305708

Client: Ensolum

Client Project ID: Shutt 20-34 WH

Checklist Completed by: TSH/ELH

Shipped Via: HQ

Date/time completed: 5/20/23

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

Airbill #: NA

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

Cooler Number/Temperature: 116 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

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

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

Reviewed by (Project Manager) LEPT

Date/Time Reviewed 5/20/23

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: 09A1417271

Project: KMG - Shutt 20-34 WH

BG-GW01

5/26/2023 9:42:00AM

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

Origins Laboratory, Inc.

Y305708-01 (Water)

## Anions by IC 300.0

|          |     |      |      |     |         |     |            |            |
|----------|-----|------|------|-----|---------|-----|------------|------------|
| Chloride | 191 | 31.2 | mg/L | 125 | B3E2623 | ACC | 05/26/2023 | 05/30/2023 |
| Sulfate  | 207 | 31.2 | "    | "   | "       | ACC | "          | "          |

## Total Dissolved Solids by 2540C

|                        |     |      |   |   |         |       |            |            |
|------------------------|-----|------|---|---|---------|-------|------------|------------|
| Total Dissolved Solids | 797 | 5.00 | " | 1 | B3E3010 | EMILI | 05/30/2023 | 05/31/2023 |
|------------------------|-----|------|---|---|---------|-------|------------|------------|

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: 09A1417271  
Project: KMG - Shutt 20-34 WH

## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

| Analyte   | Result | Reporting Limit | Units | Spike Level | Source Result                             | %REC | %REC Limits                               | RPD   | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---|------|---|-------|-----------|-------|
| <b>Batch B3E2623 - Filter .45um non acidified</b> |        |                 |       |             |   |      |   |       |           |       |
| <b>Blank (B3E2623-BLK1)</b>                       |        |                 |       |             | Prepared: 05/26/2023 Analyzed: 05/27/2023 |      |   |       |           |       |
| Chloride  | ND     | 0.250           | mg/L  |             |   |      |   |       |           | U     |
| Sulfate   | ND     | 0.250           | "     |             |   |      |   |       |           | U     |
| <b>LCS (B3E2623-BS1)</b>                          |        |                 |       |             | Prepared: 05/26/2023 Analyzed: 05/27/2023 |      |   |       |           |       |
| Chloride  | 4.11   | 0.250           | mg/L  | 4.00        |   | 103  | 90-110                                    |       |           |       |
| Sulfate   | 3.94   | 0.250           | "     | 4.00        |   | 98.6 | 90-110                                    |       |           |       |
| <b>Matrix Spike (B3E2623-MS1)</b>                 |        |                 |       |             | <b>Source: Y305695-01</b>                 |      | Prepared: 05/26/2023 Analyzed: 05/27/2023 |       |           |       |
| Chloride  | 1570   |                 | mg/L  | 500         | 1030                                      | 108  | 90-110                                    |       |           |       |
| Sulfate   | 2450   |                 | "     | 500         | 1960                                      | 96.7 | 90-110                                    |       |           |       |
| <b>Matrix Spike Dup (B3E2623-MSD1)</b>            |        |                 |       |             | <b>Source: Y305695-01</b>                 |      | Prepared: 05/26/2023 Analyzed: 05/27/2023 |       |           |       |
| Chloride  | 1560   |                 | mg/L  | 500         | 1030                                      | 105  | 90-110                                    | 0.925 | 5         |       |
| Sulfate   | 2430   |                 | "     | 500         | 1960                                      | 92.8 | 90-110                                    | 0.801 | 5         |       |
| <b>Batch B3E3010 - NO PREP</b>                    |        |                 |       |             |   |      |   |       |           |       |
| <b>Blank (B3E3010-BLK1)</b>                       |        |                 |       |             | Prepared: 05/30/2023 Analyzed: 05/31/2023 |      |   |       |           |       |
| Total Dissolved Solids                            | ND     | 5.00            | mg/L  |             |   |      |   |       |           |       |
| <b>LCS (B3E3010-BS1)</b>                          |        |                 |       |             | Prepared: 05/30/2023 Analyzed: 05/31/2023 |      |   |       |           |       |
| Total Dissolved Solids                            | 964    | 5.00            | mg/L  | 1000        |   | 96.4 | 90-110                                    |       |           |       |
| <b>Duplicate (B3E3010-DUP1)</b>                   |        |                 |       |             | <b>Source: Y305665-06</b>                 |      | Prepared: 05/30/2023 Analyzed: 05/31/2023 |       |           |       |
| Total Dissolved Solids                            | 1880   | 5.00            | mg/L  |             | 1880                                      |      |   | 0.213 | 10        |       |

Origins Laboratory, Inc.



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

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417271

Project: KMG - Shutt 20-34 WH

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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