

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**POWERS X22-67HN WELLHEAD**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE, LP**

| Analyte  | Groundwater Protection Values (GPV) | B01@6'    | Native-BG01@3' | Native-BG01@6' | Native-BG02@3' | Native-BG02@6' |
|--|-------------------------------------|-----------|----------------|----------------|----------------|----------------|
|  |                                     | 12/3/2021 | 12/3/2021      | 12/3/2021      | 12/3/2021      | 12/3/2021      |
| Photoionization Detector Reading                   |                                     |           |                |                |                |                |
| PID (ppm)  | NA                                  | 1.6       | 0.0            | 0.0            | 0.0            | 0.0            |
| Total Petroleum Hydrocarbons by USEPA Method 8015D |                                     |           |                |                |                |                |
| TPH-GRO* (mg/kg)                                   | 500                                 | <0.200    | NA             | NA             | NA             | NA             |
| TPH-DRO* (mg/kg)                                   | 500                                 | 96.1      | NA             | NA             | NA             | NA             |
| TPH-RRO* (mg/kg)                                   | 500                                 | 136       | NA             | NA             | NA             | NA             |
| Soil Suitability for Reclamation                   |                                     |           |                |                |                |                |
| EC (mmhos/cm)                                      | 4                                   | 1.75      | 0.106          | 0.177          | 0.115          | 0.0685         |
| Sodium Adsorption Ratio (SAR)                      | 6                                   | 0.905     | 0.220          | 0.194          | 0.0686         | 0.0783         |
| pH, Lab (pH units)                                 | 6-8.3                               | 11.9      | 7.75           | 7.34           | 7.55           | 7.61           |
| Boron (mg/L)                                       | 2                                   | 0.356     | <0.197         | <0.200         | <0.199         | <0.199         |
| Organic Concentrations in Soil (GPV for Soil)      |                                     |           |                |                |                |                |
| Benzene (mg/kg)                                    | 0.0026                              | <0.00200  | NA             | NA             | NA             | NA             |
| Toluene (mg/kg)                                    | 0.69                                | <0.00200  | NA             | NA             | NA             | NA             |
| Ethylbenzene (mg/kg)                               | 0.78                                | <0.00200  | NA             | NA             | NA             | NA             |
| Xylenes, Total (mg/kg)                             | 9.9                                 | <0.00200  | NA             | NA             | NA             | NA             |
| Naphthalene (mg/kg)                                | 0.0038                              | <0.00380  | NA             | NA             | NA             | NA             |
| Metals in Soils (GPV for Soil)                     |                                     |           |                |                |                |                |
| Arsenic (mg/Kg)                                    | 0.29                                | NA        | 0.364          | 0.435          | 0.526          | 0.409          |
| Barium (mg/Kg)                                     | 82                                  | NA        | 21             | 23.1           | 18.6           | 21.7           |
| Cadmium (mg/Kg)                                    | 0.38                                | NA        | <0.25          | 0.0314         | 0.0406         | 0.0347         |
| Chromium, Hexavalent (mg/Kg)                       | 0.00067                             | NA        | <0.5           | <0.501         | <0.517         | <0.5           |
| Copper (mg/Kg)                                     | 46                                  | NA        | 1.4            | 1.28           | 1.42           | 1.36           |
| Lead (mg/Kg)                                       | 14                                  | NA        | 2.18           | 2.12           | 2.76           | 2.36           |
| Nickel (mg/Kg)                                     | 26                                  | NA        | 1.26           | 1.34           | 1.31           | 1.28           |
| Selenium (mg/Kg)                                   | 0.26                                | NA        | <0.25          | <0.25          | <0.25          | 0.124          |
| Silver (mg/Kg)                                     | 0.8                                 | NA        | 0.0087         | 0.0102         | 0.0118         | 0.0096         |
| Zinc (mg/Kg)                                       | 370                                 | NA        | 6.96           | 6.42           | 7.5            | 6.67           |

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**POWERS X22-67HN WELLHEAD**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE, LP**

| Analyte  | Groundwater Protection Values (GPV) | Native-BG03@3' | Native-BG03@6' | Native-BG04@3' | Native-BG04@6' | FL01@3'   |
|--|-------------------------------------|----------------|----------------|----------------|----------------|-----------|
|  |                                     | 12/3/2021      | 12/3/2021      | 12/3/2021      | 12/3/2021      | 12/7/2021 |
| Photoionization Detector Reading                   |                                     |                |                |                |                |           |
| PID (ppm)  | NA                                  | 0.0            | 0.0            | 0.0            | 0.0            | NA        |
| Total Petroleum Hydrocarbons by USEPA Method 8015D |                                     |                |                |                |                |           |
| TPH-GRO* (mg/kg)                                   | 500                                 | NA             | NA             | NA             | NA             | <0.200    |
| TPH-DRO* (mg/kg)                                   | 500                                 | NA             | NA             | NA             | NA             | <25.0     |
| TPH-RRO* (mg/kg)                                   | 500                                 | NA             | NA             | NA             | NA             | <100      |
| Soil Suitability for Reclamation                   |                                     |                |                |                |                |           |
| EC (mmhos/cm)                                      | 4                                   | 0.179          | 0.107          | 0.211          | 0.0494         | 0.192     |
| Sodium Adsorption Ratio (SAR)                      | 6                                   | 0.240          | 0.155          | 0.0746         | 0.0838         | 0.0994    |
| pH, Lab (pH units)                                 | 6-8.3                               | 7.44           | 6.66           | 7.84           | 7.71           | 8.19      |
| Boron (mg/L)                                       | 2                                   | <0.200         | <0.200         | <0.198         | <0.198         | 0.618     |
| Organic Concentrations in Soil (GPV for Soil)      |                                     |                |                |                |                |           |
| Benzene (mg/kg)                                    | 0.0026                              | NA             | NA             | NA             | NA             | <0.00200  |
| Toluene (mg/kg)                                    | 0.69                                | NA             | NA             | NA             | NA             | <0.00200  |
| Ethylbenzene (mg/kg)                               | 0.78                                | NA             | NA             | NA             | NA             | <0.00200  |
| Xylenes, Total (mg/kg)                             | 9.9                                 | NA             | NA             | NA             | NA             | <0.00200  |
| Naphthalene (mg/kg)                                | 0.0038                              | NA             | NA             | NA             | NA             | <0.00380  |
| Metals in Soils (GPV for Soil)                     |                                     |                |                |                |                |           |
| Arsenic (mg/Kg)                                    | 0.29                                | 0.417          | 0.537          | 0.767          | 0.362          | NA        |
| Barium (mg/Kg)                                     | 82                                  | 23.5           | 18.6           | 42.2           | 21.4           | NA        |
| Cadmium (mg/Kg)                                    | 0.38                                | 0.0323         | 0.0501         | 0.0461         | <0.25          | NA        |
| Chromium, Hexavalent (mg/Kg)                       | 0.00067                             | <0.5           | <0.5           | <0.5           | <0.517         | NA        |
| Copper (mg/Kg)                                     | 46                                  | 1.46           | 1.38           | 2.28           | 0.999          | NA        |
| Lead (mg/Kg)                                       | 14                                  | 2.54           | 2.81           | 3.02           | 1.97           | NA        |
| Nickel (mg/Kg)                                     | 26                                  | 1.32           | 1.35           | 1.95           | 1.23           | NA        |
| Selenium (mg/Kg)                                   | 0.26                                | <0.25          | <0.25          | <0.25          | <0.25          | NA        |
| Silver (mg/Kg)                                     | 0.8                                 | 0.0088         | 0.0115         | 0.0108         | 0.0194         | NA        |
| Zinc (mg/Kg)                                       | 370                                 | 6.91           | 6.85           | 9.75           | 5.2            | NA        |

**TABLE 1 (Continued)**  
**SOIL SAMPLE ANALYTICAL AND FIELD RESULTS**  
**POWERS X22-67HN WELLHEAD**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE, LP**

| Analyte  | Groundwater Protection Values (GPV) | Sep01-Inlet@5' |
|--|-------------------------------------|----------------|
|  |                                     | 12/7/2021      |
| Photoionization Detector Reading                   |                                     |                |
| PID (ppm)  | NA                                  | 0.1            |
| Total Petroleum Hydrocarbons by USEPA Method 8015D |                                     |                |
| TPH-GRO* (mg/kg)                                   | 500                                 | <0.200         |
| TPH-DRO* (mg/kg)                                   | 500                                 | <25.0          |
| TPH-RRO* (mg/kg)                                   | 500                                 | <100           |
| Soil Suitability for Reclamation                   |                                     |                |
| EC (mmhos/cm)                                      | 4                                   | 0.371          |
| Sodium Adsorption Ratio (SAR)                      | 6                                   | 0.682          |
| pH, Lab (pH units)                                 | 6-8.3                               | 6.69           |
| Boron (mg/L)                                       | 2                                   | <0.198         |
| Organic Concentrations in Soil (GPV for Soil)      |                                     |                |
| Benzene (mg/kg)                                    | 0.0026                              | <0.00200       |
| Toluene (mg/kg)                                    | 0.69                                | <0.00200       |
| Ethylbenzene (mg/kg)                               | 0.78                                | <0.00200       |
| Xylenes, Total (mg/kg)                             | 9.9                                 | <0.00200       |
| Naphthalene (mg/kg)                                | 0.0038                              | <0.00380       |
| Metals in Soils (GPV for Soil)                     |                                     |                |
| Arsenic (mg/Kg)                                    | 0.29                                | NA             |
| Barium (mg/Kg)                                     | 82                                  | NA             |
| Cadmium (mg/Kg)                                    | 0.38                                | NA             |
| Chromium, Hexavalent (mg/Kg)                       | 0.00067                             | NA             |
| Copper (mg/Kg)                                     | 46                                  | NA             |
| Lead (mg/Kg)                                       | 14                                  | NA             |
| Nickel (mg/Kg)                                     | 26                                  | NA             |
| Selenium (mg/Kg)                                   | 0.26                                | NA             |
| Silver (mg/Kg)                                     | 0.8                                 | NA             |
| Zinc (mg/Kg)                                       | 370                                 | NA             |

**Notes:**

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

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

**TABLE 2**  
**PHOTOIONIZATION DETECTOR FIELD RESULTS**  
**POWERS X22-67HN WELLHEAD**  
**WELD COUNTY, COLORADO**  
**KERR-MCGEE OIL & GAS ONSHORE, LP**

| Screening Location | Location            | Date      | PID Reading (ppm) |
|--------------------|---------------------|-----------|-------------------|
| B01@6'             | Wellhead Excavation | 12/3/2021 | 1.6               |
| North Wall         | Wellhead Excavation | 12/3/2021 | 0.0               |
| East Wall          | Wellhead Excavation | 12/3/2021 | 0.0               |
| South Wall         | Wellhead Excavation | 12/3/2021 | 0.0               |
| West Wall          | Wellhead Excavation | 12/3/2021 | 0.0               |
| PH01               | Pothole             | 12/3/2021 | 0.0               |
| PH02               | Pothole             | 12/3/2021 | 0.0               |
| PH03               | Pothole             | 12/3/2021 | 0.0               |
| PH04               | Pothole             | 12/3/2021 | 0.0               |
| PH05               | Pothole             | 12/3/2021 | 0.0               |
| PH06               | Pothole             | 12/3/2021 | 0.0               |
| PH07               | Pothole             | 12/7/2021 | 1.2               |
| PH08               | Pothole             | 12/7/2021 | 0.5               |
| PH09               | Pothole             | 12/7/2021 | 0.8               |
| PH10               | Pothole             | 12/7/2021 | 0.4               |
| PH11               | Pothole             | 12/7/2021 | 0.2               |
| PH12               | Pothole             | 12/7/2021 | 0.0               |
| PH13               | Pothole             | 12/7/2021 | 0.3               |
| PH14               | Pothole             | 12/7/2021 | 0.0               |
| PH15               | Pothole             | 12/7/2021 | 0.3               |
| FL01@3'            | Flowline            | 12/7/2021 | NA                |
| Sep01-Inlet@5'     | Separator           | 12/7/2021 | 0.1               |
| Native-BG01@3'     | Background          | 12/3/2021 | 0.0               |
| Native-BG01@6'     | Background          | 12/3/2021 | 0.0               |
| Native-BG02@3'     | Background          | 12/3/2021 | 0.0               |
| Native-BG02@6'     | Background          | 12/3/2021 | 0.0               |
| Native-BG03@3'     | Background          | 12/3/2021 | 0.0               |
| Native-BG03@6'     | Background          | 12/3/2021 | 0.0               |
| Native-BG04@3'     | Background          | 12/3/2021 | 0.0               |
| Native-BG04@6'     | Background          | 12/3/2021 | 0.0               |

Notes:

PID - Photoionization Detector

ppm - parts per million



December 15, 2021

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

Arvada

CO

80003

**Project Name - KMG - Powers X 22-67HN WH**

**Project Number - 31403177.202.05**

Attached are your analytical results for KMG - Powers X 22-67HN WH received by Origins Laboratory, Inc. December 03, 2021. This project is associated with Origins project number Y112116-01.

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

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

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

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

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

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



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

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

## CROSS REFERENCE REPORT

| Sample ID      | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|----------------|---------------|--------|------------------------|------------------|
| B01@6'         | Y112116-01    | Soil   | December 3, 2021 14:00 | 12/03/2021 15:40 |
| Native-BG01@3' | Y112116-02    | Soil   | December 3, 2021 14:10 | 12/03/2021 15:40 |
| Native-BG01@6' | Y112116-03    | Soil   | December 3, 2021 14:12 | 12/03/2021 15:40 |
| Native-BG02@3' | Y112116-04    | Soil   | December 3, 2021 14:14 | 12/03/2021 15:40 |
| Native-BG02@6' | Y112116-05    | Soil   | December 3, 2021 14:16 | 12/03/2021 15:40 |
| Native-BG03@3' | Y112116-06    | Soil   | December 3, 2021 14:18 | 12/03/2021 15:40 |
| Native-BG03@6' | Y112116-07    | Soil   | December 3, 2021 14:20 | 12/03/2021 15:40 |
| Native-BG04@3' | Y112116-08    | Soil   | December 3, 2021 14:22 | 12/03/2021 15:40 |
| Native-BG04@6' | Y112116-09    | Soil   | December 3, 2021 14:24 | 12/03/2021 15:40 |

Origins Laboratory, Inc.



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

WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

www.originslaboratory.com

4112116

page 1 of 1

**ORIGINS**  
LABORATORY, INC

Client: WSP

Address: 4600 W 60th Ave

Arvada CO 80003

Telephone Number:

Email Address: KMG Group

Project Manager: Brian Sulzberger

Project Name: Powers X 22-67 HN Wellhead

Project Number: 31403177.202.05

Samples Collected By: RS

| 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 # |          |                     |
| Boilev                | 12-3-21      | 1400         | 2               | X            |     |                  |       |             |      |                      |          | 1                   |
| Native-B601e3         |              | 1410         | 2               | X            |     |                  |       |             |      |                      |          | 2                   |
| Native-B601e6         |              | 1412         | 2               | X            |     |                  |       |             |      |                      |          | 3                   |
| Native-B602e3         |              | 1414         | 2               | X            |     |                  |       |             |      |                      |          | 4                   |
| Native-B602e6         |              | 1416         | 2               | X            |     |                  |       |             |      |                      |          | 5                   |
| Native-B603e3         |              | 1418         | 2               | X            |     |                  |       |             |      |                      |          | 6                   |
| Native-B603e6         |              | 1420         | 2               | X            |     |                  |       |             |      |                      |          | 7                   |
| Native-B604e3         |              | 1422         | 2               | X            |     |                  |       |             |      |                      |          | 8                   |
| Native-B604e6         |              | 1424         | 2               | X            |     |                  |       |             |      |                      |          | 9                   |
|                       |              |              |                 |              |     |                  |       |             |      |                      |          | 10                  |

  

| Relinquished By:   | Date:   | Time: | Received By:       | Date:   | Time: | Turnaround Time:  |
|--------------------|---------|-------|--------------------|---------|-------|---|
| <i>[Signature]</i> | 12-3-21 | 1540  | <i>[Signature]</i> | 12/3/21 | 1540  | Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/>                     |
| <i>[Signature]</i> |         |       | <i>[Signature]</i> |         |       | 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/> |

Date Results Needed

Temp Received: 4.0

Origins Laboratory, Inc.

*[Signature]*

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Jordan A. Merrill, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Origins Laboratory

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

### Sample Receipt Checklist

Origins Work Order: 1112116

Client: WSP

Client Project ID: Powers X22-67 WH

Checklist Completed by: JS

Shipped Via: HD

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

Date/time completed: 12/13/21

Airbill #: N/A

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

(Describe)

Cooler Number/Temperature: 1 / 4.0 °C 1 °C 1 °C 1 °C

Thermometer ID: T003

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

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

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

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Jordan A. Merrill, Project Manager



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

B01@6'  
12/3/2021 2:00:00PM

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

**Origins Laboratory, Inc.**  
**Y112116-01 (Soil)**

**Boron (DTPA Sorbitol)**

|       |       |       |      |   |         |            |            |
|-------|-------|-------|------|---|---------|------------|------------|
| Boron | 0.356 | 0.198 | mg/L | 1 | B1L0605 | 12/06/2021 | 12/07/2021 |
|-------|-------|-------|------|---|---------|------------|------------|

**DRO/ORO by EPA 8015D**

|                                   |      |      |       |   |         |            |            |
|-----------------------------------|------|------|-------|---|---------|------------|------------|
| Diesel (C10-C28)                  | 96.1 | 25.0 | mg/kg | 1 | B1L0324 | 12/03/2021 | 12/03/2021 |
| Residual Range Organics (C28-C40) | 136  | 100  | "     | " | "       | "          | "          |

|                        |        |        |   |   |   |
|------------------------|--------|--------|---|---|---|
| Surrogate: o-Terphenyl | 81.3 % | 50-150 | " | " | " |
|------------------------|--------|--------|---|---|---|

**GBTEX+TMBs**

|                             |    |         |       |   |         |            |            |   |
|-----------------------------|----|---------|-------|---|---------|------------|------------|---|
| Naphthalene                 | ND | 0.00380 | mg/kg | 1 | B1L0325 | 12/03/2021 | 12/04/2021 | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | "          | "          | U |

|                                  |       |        |   |   |   |
|----------------------------------|-------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8            | 107 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene  | 105 % | 70-130 | " | " | " |

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

B01@6'

12/3/2021 2:00:00PM

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

**Origins Laboratory, Inc.**  
Y112116-01 (Soil)

**Metals by Saturated Paste**

|           |      |       |       |    |        |            |            |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium   | 6.26 | 0.499 | meq/L | 10 | [CALC] | 12/03/2021 | 12/07/2021 |
| Magnesium | ND   | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | 1.60 | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 11.9 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |       |  |     |   |         |            |            |
|-----|-------|--|-----|---|---------|------------|------------|
| SAR | 0.905 |  | SAR | 1 | B1L0315 | 12/03/2021 | 12/07/2021 |
|-----|-------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |      |         |          |   |         |            |            |
|---------------------------|------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 1.75 | 0.00500 | mmhos/cm | 1 | B1L0601 | 12/06/2021 | 12/07/2021 |
|---------------------------|------|---------|----------|---|---------|------------|------------|

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Jordan A. Merrill, Project Manager

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG01@3'**  
**12/3/2021 2:10:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-02 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.197 | mg/L | 1 | B1L0605 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |    |       |       |    |        |            |            |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium   | ND | 0.499 | meq/L | 10 | [CALC] | 12/03/2021 | 12/07/2021 |
| Magnesium | ND | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.75 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |       |  |     |   |         |            |            |
|-----|-------|--|-----|---|---------|------------|------------|
| SAR | 0.220 |  | SAR | 1 | B1L0315 | 12/03/2021 | 12/07/2021 |
|-----|-------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.106 | 0.00500 | mmhos/cm | 1 | B1L0601 | 12/06/2021 | 12/07/2021 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

**Total Metals by 6020B**

|         |       |        |      |       |   |         |            |            |
|---------|-------|--------|------|-------|---|---------|------------|------------|
| Arsenic | 0.364 | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |
| Barium  | 21    | 0.042  | 0.25 | "     | " | "       | "          | "          |
| Cadmium | ND    | 0.0259 | 0.25 | "     | " | "       | "          | "          |

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG01@3'**  
**12/3/2021 2:10:00PM**

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

**Waypoint Analytical, LLC.**  
**Y112116-02 (Soil)**

**Total Metals by 6020B**

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Copper   | 1.4    | 0.0806 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Lead     | 2.18   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.26   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | ND     | 0.103  | 0.25 | "     | " | "       | "          | "          |   |
| Silver   | 0.0087 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 6.96   | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

**Total Metals by 7196A**

|                      |    |       |     |       |   |         |            |            |  |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L589062 | 12/03/2021 | 12/09/2021 |  |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|

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Arvada CO 80003

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG01@6'**  
**12/3/2021 2:12:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-03 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.200 | mg/L | 1 | B1L0605 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |       |       |       |    |        |            |            |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium   | 0.803 | 0.499 | meq/L | 10 | [CALC] | 12/03/2021 | 12/07/2021 |
| Magnesium | ND    | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND    | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.34 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |       |  |     |   |         |            |            |
|-----|-------|--|-----|---|---------|------------|------------|
| SAR | 0.194 |  | SAR | 1 | B1L0315 | 12/03/2021 | 12/07/2021 |
|-----|-------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.177 | 0.00500 | mmhos/cm | 1 | B1L0603 | 12/06/2021 | 12/07/2021 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

**Total Metals by 7196A**

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.501 | mg/Kg | 1 | L589063 | 12/03/2021 | 12/09/2021 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Native-BG01@6'

12/3/2021 2:12:00PM

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

Waypoint Analytical, LLC.

Y112116-03 (Soil)

## Total Metals by 6020B

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic  | 0.435  | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Barium   | 23.1   | 0.042  | 0.25 | "     | " | "       | "          | "          |   |
| Cadmium  | 0.0314 | 0.0259 | 0.25 | "     | " | "       | "          | "          | J |
| Copper   | 1.28   | 0.0806 | 0.25 | "     | " | "       | "          | "          |   |
| Lead     | 2.12   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.34   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | ND     | 0.103  | 0.25 | "     | " | "       | "          | "          |   |
| Silver   | 0.0102 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 6.42   | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

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Arvada CO 80003

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG02@3'**  
**12/3/2021 2:14:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-04 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.199 | mg/L | 1 | B1L0605 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |       |       |       |    |        |            |            |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium   | 0.689 | 0.499 | meq/L | 10 | [CALC] | 12/06/2021 | 12/07/2021 |
| Magnesium | ND    | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND    | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.55 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |        |  |     |   |         |            |            |
|-----|--------|--|-----|---|---------|------------|------------|
| SAR | 0.0686 |  | SAR | 1 | B1L0602 | 12/06/2021 | 12/07/2021 |
|-----|--------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.115 | 0.00500 | mmhos/cm | 1 | B1L0603 | 12/06/2021 | 12/07/2021 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

**Total Metals by 7196A**

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.252 | 0.517 | mg/Kg | 1 | L589063 | 12/03/2021 | 12/09/2021 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Native-BG02@3'

12/3/2021 2:14:00PM

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

Waypoint Analytical, LLC.

Y112116-04 (Soil)

## Total Metals by 6020B

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic  | 0.526  | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Barium   | 18.6   | 0.042  | 0.25 | "     | " | "       | "          | "          |   |
| Cadmium  | 0.0406 | 0.0259 | 0.25 | "     | " | "       | "          | "          | J |
| Copper   | 1.42   | 0.0806 | 0.25 | "     | " | "       | "          | "          |   |
| Lead     | 2.76   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.31   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | ND     | 0.103  | 0.25 | "     | " | "       | "          | "          |   |
| Silver   | 0.0118 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 7.5    | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

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Arvada CO 80003

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG02@6'**  
**12/3/2021 2:16:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-05 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.199 | mg/L | 1 | B1L0605 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |    |       |       |    |        |            |            |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium   | ND | 0.499 | meq/L | 10 | [CALC] | 12/06/2021 | 12/07/2021 |
| Magnesium | ND | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.61 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |        |  |     |   |         |            |            |
|-----|--------|--|-----|---|---------|------------|------------|
| SAR | 0.0783 |  | SAR | 1 | B1L0602 | 12/06/2021 | 12/07/2021 |
|-----|--------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |        |         |          |   |         |            |            |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0685 | 0.00500 | mmhos/cm | 1 | B1L0603 | 12/06/2021 | 12/07/2021 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

**Total Metals by 7196A**

|                      |    |       |     |       |   |         |            |            |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L589063 | 12/03/2021 | 12/09/2021 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Native-BG02@6'

12/3/2021 2:16:00PM

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

Waypoint Analytical, LLC.

Y112116-05 (Soil)

## Total Metals by 6020B

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic  | 0.409  | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Barium   | 21.7   | 0.042  | 0.25 | "     | " | "       | "          | "          |   |
| Cadmium  | 0.0347 | 0.0259 | 0.25 | "     | " | "       | "          | "          | J |
| Copper   | 1.36   | 0.0806 | 0.25 | "     | " | "       | "          | "          |   |
| Lead     | 2.36   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.28   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | 0.124  | 0.103  | 0.25 | "     | " | "       | "          | "          | J |
| Silver   | 0.0096 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 6.67   | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

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Arvada CO 80003

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG03@3'**  
**12/3/2021 2:18:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-06 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.200 | mg/L | 1 | B1L0606 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |       |       |       |    |        |            |            |
|-----------|-------|-------|-------|----|--------|------------|------------|
| Calcium   | 0.773 | 0.499 | meq/L | 10 | [CALC] | 12/06/2021 | 12/07/2021 |
| Magnesium | ND    | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND    | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.44 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |       |  |     |   |         |            |            |
|-----|-------|--|-----|---|---------|------------|------------|
| SAR | 0.240 |  | SAR | 1 | B1L0602 | 12/06/2021 | 12/07/2021 |
|-----|-------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.179 | 0.00500 | mmhos/cm | 1 | B1L0603 | 12/06/2021 | 12/07/2021 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

**Total Metals by 7196A**

|                      |    |       |     |       |   |         |            |            |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L589063 | 12/03/2021 | 12/09/2021 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

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4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Native-BG03@3'

12/3/2021 2:18:00PM

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

Waypoint Analytical, LLC.

Y112116-06 (Soil)

## Total Metals by 6020B

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic  | 0.417  | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Barium   | 23.5   | 0.042  | 0.25 | "     | " | "       | "          | "          |   |
| Cadmium  | 0.0323 | 0.0259 | 0.25 | "     | " | "       | "          | "          | J |
| Copper   | 1.46   | 0.0806 | 0.25 | "     | " | "       | "          | "          |   |
| Lead     | 2.54   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.32   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | ND     | 0.103  | 0.25 | "     | " | "       | "          | "          |   |
| Silver   | 0.0088 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 6.91   | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

Origins Laboratory, Inc.



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Jordan A. Merrill, Project Manager

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG03@6'**  
**12/3/2021 2:20:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-07 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.200 | mg/L | 1 | B1L0606 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |    |       |       |    |        |            |            |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium   | ND | 0.499 | meq/L | 10 | [CALC] | 12/06/2021 | 12/07/2021 |
| Magnesium | ND | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 6.66 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |       |  |     |   |         |            |            |
|-----|-------|--|-----|---|---------|------------|------------|
| SAR | 0.155 |  | SAR | 1 | B1L0602 | 12/06/2021 | 12/07/2021 |
|-----|-------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.107 | 0.00500 | mmhos/cm | 1 | B1L0603 | 12/06/2021 | 12/07/2021 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

**Total Metals by 7196A**

|                      |    |       |     |       |   |         |            |            |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L589063 | 12/03/2021 | 12/09/2021 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Native-BG03@6'

12/3/2021 2:20:00PM

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

Waypoint Analytical, LLC.

Y112116-07 (Soil)

## Total Metals by 6020B

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic  | 0.537  | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Barium   | 18.6   | 0.042  | 0.25 | "     | " | "       | "          | "          |   |
| Cadmium  | 0.0501 | 0.0259 | 0.25 | "     | " | "       | "          | "          | J |
| Copper   | 1.38   | 0.0806 | 0.25 | "     | " | "       | "          | "          |   |
| Lead     | 2.81   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.35   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | ND     | 0.103  | 0.25 | "     | " | "       | "          | "          |   |
| Silver   | 0.0115 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 6.85   | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG04@3'**  
**12/3/2021 2:22:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-08 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.198 | mg/L | 1 | B1L0606 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |      |       |       |    |        |            |            |
|-----------|------|-------|-------|----|--------|------------|------------|
| Calcium   | 1.40 | 0.499 | meq/L | 10 | [CALC] | 12/06/2021 | 12/07/2021 |
| Magnesium | ND   | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND   | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.84 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |        |  |     |   |         |            |            |
|-----|--------|--|-----|---|---------|------------|------------|
| SAR | 0.0746 |  | SAR | 1 | B1L0602 | 12/06/2021 | 12/07/2021 |
|-----|--------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |            |            |
|---------------------------|-------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.211 | 0.00500 | mmhos/cm | 1 | B1L0603 | 12/06/2021 | 12/07/2021 |
|---------------------------|-------|---------|----------|---|---------|------------|------------|

**Total Metals by 7196A**

|                      |    |       |     |       |   |         |            |            |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L589063 | 12/03/2021 | 12/09/2021 |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Native-BG04@3'

12/3/2021 2:22:00PM

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

Waypoint Analytical, LLC.

Y112116-08 (Soil)

## Total Metals by 6020B

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic  | 0.767  | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Barium   | 42.2   | 0.042  | 0.25 | "     | " | "       | "          | "          |   |
| Cadmium  | 0.0461 | 0.0259 | 0.25 | "     | " | "       | "          | "          | J |
| Copper   | 2.28   | 0.0806 | 0.25 | "     | " | "       | "          | "          |   |
| Lead     | 3.02   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.95   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | ND     | 0.103  | 0.25 | "     | " | "       | "          | "          |   |
| Silver   | 0.0108 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 9.75   | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

**Native-BG04@6'**  
**12/3/2021 2:24:00PM**

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

**Origins Laboratory, Inc.**  
**Y112116-09 (Soil)**

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |            |            |
|-------|----|-------|------|---|---------|------------|------------|
| Boron | ND | 0.198 | mg/L | 1 | B1L0606 | 12/06/2021 | 12/07/2021 |
|-------|----|-------|------|---|---------|------------|------------|

**Metals by Saturated Paste**

|           |    |       |       |    |        |            |            |
|-----------|----|-------|-------|----|--------|------------|------------|
| Calcium   | ND | 0.499 | meq/L | 10 | [CALC] | 12/06/2021 | 12/07/2021 |
| Magnesium | ND | 0.823 | "     | "  | "      | "          | "          |
| Sodium    | ND | 0.435 | "     | "  | "      | "          | "          |

**pH in Soil by 9045D**

|    |      |  |          |   |         |            |            |
|----|------|--|----------|---|---------|------------|------------|
| pH | 7.71 |  | pH Units | 1 | B1L0604 | 12/06/2021 | 12/07/2021 |
|----|------|--|----------|---|---------|------------|------------|

**SAR by 20B Saturated Paste**

|     |        |  |     |   |         |            |            |
|-----|--------|--|-----|---|---------|------------|------------|
| SAR | 0.0838 |  | SAR | 1 | B1L0602 | 12/06/2021 | 12/07/2021 |
|-----|--------|--|-----|---|---------|------------|------------|

**Specific Conductance Mod. 9050A**

|                           |        |         |          |   |         |            |            |
|---------------------------|--------|---------|----------|---|---------|------------|------------|
| Specific Conductance (EC) | 0.0494 | 0.00500 | mmhos/cm | 1 | B1L0603 | 12/06/2021 | 12/07/2021 |
|---------------------------|--------|---------|----------|---|---------|------------|------------|

**Total Metals by 7196A**

|                      |    |       |       |       |   |         |            |            |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|
| Chromium, Hexavalent | ND | 0.252 | 0.517 | mg/Kg | 1 | L589063 | 12/03/2021 | 12/09/2021 |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Native-BG04@6'

12/3/2021 2:24:00PM

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

Waypoint Analytical, LLC.

Y112116-09 (Soil)

## Total Metals by 6020B

|          |        |        |      |       |   |         |            |            |   |
|----------|--------|--------|------|-------|---|---------|------------|------------|---|
| Arsenic  | 0.362  | 0.0855 | 0.25 | mg/Kg | 5 | L588647 | 12/07/2021 | 12/10/2021 |   |
| Barium   | 21.4   | 0.042  | 0.25 | "     | " | "       | "          | "          |   |
| Cadmium  | ND     | 0.0259 | 0.25 | "     | " | "       | "          | "          |   |
| Copper   | 0.999  | 0.0806 | 0.25 | "     | " | "       | "          | "          |   |
| Lead     | 1.97   | 0.031  | 0.25 | "     | " | "       | "          | "          |   |
| Nickel   | 1.23   | 0.0633 | 0.25 | "     | " | "       | "          | "          |   |
| Selenium | ND     | 0.103  | 0.25 | "     | " | "       | "          | "          |   |
| Silver   | 0.0194 | 0.0067 | 0.25 | "     | " | "       | "          | "          | J |
| Zinc     | 5.2    | 0.534  | 2.5  | "     | " | "       | "          | "          |   |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 B1L0324 - EPA 3550B         |        |                 |       |             |   |      |             |     |           |       |
| Blank (B1L0324-BLK1)              |        |                 |       |             | Prepared: 12/03/2021 Analyzed: 12/03/2021 |      |             |     |           |       |
| Diesel (C10-C28)                  | ND     | 25.0            | mg/kg |             |   |      |             |     |           | U     |
| Residual Range Organics (C28-C40) | ND     | 100             | "     |             |   |      |             |     |           | U     |
| Surrogate: o-Terphenyl            | 24     |                 | "     | 24.9        |   | 97.4 | 50-150      |     |           |       |

Origins Laboratory, Inc.



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Jordan A. Merrill, Project Manager

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 B1L0324 - EPA 3550B

LCS (B1L0324-BS1)

Prepared: 12/03/2021 Analyzed: 12/03/2021

|                                   |      |      |       |      |  |      |        |  |  |  |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28)                  | 865  | 50.0 | mg/kg | 1000 |  | 86.5 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 1060 | 200  | "     | 1000 |  | 106  | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 48   |      | "     | 49.8 |  | 96.6 | 50-150 |  |  |  |

Origins Laboratory, Inc.



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Jordan A. Merrill, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 B1L0324 - EPA 3550B

| Matrix Spike (B1L0324-MS1)        |      | Source: Y112112-01 |       |      | Prepared: 12/03/2021 Analyzed: 12/03/2021 |      |        |  |  |  |
|-----------------------------------|------|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28)                  | 886  | 50.0               | mg/kg | 1000 | ND  | 88.6 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 1100 | 200                | "     | 1000 | ND  | 110  | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 50   |                    | "     | 49.8 |   | 101  | 50-150 |  |  |  |

Origins Laboratory, Inc.



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Jordan A. Merrill, Project Manager

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 B1L0324 - EPA 3550B         |        |                    |       |             |   |      |             |       |           |       |
| Matrix Spike Dup (B1L0324-MSD1)   |        | Source: Y112112-01 |       |             | Prepared: 12/03/2021 Analyzed: 12/03/2021 |      |             |       |           |       |
| Diesel (C10-C28)                  | 891    | 50.0               | mg/kg | 1000        | ND  | 89.1 | 70-130      | 0.558 | 35        |       |
| Residual Range Organics (C28-C40) | 1100   | 200                | "     | 1000        | ND  | 110  | 70-130      | 0.242 | 35        |       |
| Surrogate: o-Terphenyl            | 54     |                    | "     | 49.8        |   | 109  | 50-150      |       |           |       |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 |
|--|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| <b>Batch B1L0325 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B1L0325-BLK1)</b>            |        |                 |       |             | Prepared: 12/03/2021 Analyzed: 12/03/2021 |      |             |     |           |       |
| 1,2,4-Trimethylbenzene                 | ND     | 0.00200         | mg/kg |             |   |      |             |     |           | U     |
| Naphthalene                            | ND     | 0.0100          | "     |             |   |      |             |     |           | U     |
| 1,3,5-Trimethylbenzene                 | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Benzene                                | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Gasoline Range Hydrocarbons            | ND     | 0.200           | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 0.13   |                 | "     | 0.125       | 106                                       |      | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 0.13   |                 | "     | 0.125       | 106                                       |      | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.13   |                 | "     | 0.125       | 104                                       |      | 70-130      |     |           |       |

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 B1L0325 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>LCS (B1L0325-BS1)</b>               |        |                 |       |             | Prepared: 12/03/2021 Analyzed: 12/03/2021 |      |             |     |           |       |
| 1,2,4-Trimethylbenzene                 | 0.105  | 0.00200         | mg/kg | 0.100       |   | 105  | 70-130      |     |           |       |
| Naphthalene                            | 0.117  | 0.0100          | "     | 0.100       |   | 117  | 70-130      |     |           |       |
| 1,3,5-Trimethylbenzene                 | 0.107  | 0.00200         | "     | 0.100       |   | 107  | 70-130      |     |           |       |
| Benzene                                | 0.0871 | 0.00200         | "     | 0.100       |   | 87.1 | 70-130      |     |           |       |
| Ethylbenzene                           | 0.106  | 0.00200         | "     | 0.100       |   | 106  | 70-130      |     |           |       |
| m,p-Xylene                             | 0.216  | 0.00400         | "     | 0.200       |   | 108  | 70-130      |     |           |       |
| o-Xylene                               | 0.107  | 0.00200         | "     | 0.100       |   | 107  | 70-130      |     |           |       |
| Toluene                                | 0.103  | 0.00200         | "     | 0.100       |   | 103  | 70-130      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 0.13   |                 | "     | 0.125       |   | 104  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 0.13   |                 | "     | 0.125       |   | 108  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.13   |                 | "     | 0.125       |   | 103  | 70-130      |     |           |       |

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 B1L0325 - EPA 5030 (soil)</b> |        |                           |       |             |   |      |             |     |           |       |
| <b>Matrix Spike (B1L0325-MS1)</b>      |        | <b>Source: Y112111-01</b> |       |             | Prepared: 12/03/2021 Analyzed: 12/03/2021 |      |             |     |           |       |
| 1,2,4-Trimethylbenzene                 | 0.0523 | 0.00200                   | mg/kg | 0.100       | 0.0293                                    | 23.0 | 70-130      |     |           | QM-07 |
| Naphthalene                            | 0.118  | 0.0100                    | "     | 0.100       | 0.0332                                    | 84.6 | 70-130      |     |           |       |
| 1,3,5-Trimethylbenzene                 | 0.0505 | 0.00200                   | "     | 0.100       | ND  | 50.5 | 70-130      |     |           | QM-07 |
| Benzene                                | 0.0698 | 0.00200                   | "     | 0.100       | ND  | 69.8 | 70-130      |     |           | QM-07 |
| Ethylbenzene                           | 0.0732 | 0.00200                   | "     | 0.100       | ND  | 73.2 | 70-130      |     |           |       |
| m,p-Xylene                             | 0.137  | 0.00400                   | "     | 0.200       | ND  | 68.4 | 70-130      |     |           | QM-07 |
| o-Xylene                               | 0.0729 | 0.00200                   | "     | 0.100       | ND  | 72.9 | 70-130      |     |           |       |
| Toluene                                | 0.0757 | 0.00200                   | "     | 0.100       | ND  | 75.7 | 70-130      |     |           |       |
| Surrogate: 1,2-Dichloroethane-d4       | 0.14   |                           | "     | 0.125       |   | 112  | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 0.13   |                           | "     | 0.125       |   | 105  | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.19   |                           | "     | 0.125       |   | 150  | 70-130      |     |           | QM-07 |

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 B1L0325 - EPA 5030 (soil)</b> |        |                           |       |             |   |      |             |      |           |       |
| <b>Matrix Spike Dup (B1L0325-MSD1)</b> |        | <b>Source: Y112111-01</b> |       |             | Prepared: 12/03/2021 Analyzed: 12/03/2021 |      |             |      |           |       |
| 1,2,4-Trimethylbenzene                 | 0.0657 | 0.00200                   | mg/kg | 0.100       | 0.0293                                    | 36.4 | 70-130      | 22.8 | 20        | QM-07 |
| Naphthalene                            | 0.126  | 0.0100                    | "     | 0.100       | 0.0332                                    | 93.0 | 70-130      | 6.90 | 20        |       |
| 1,3,5-Trimethylbenzene                 | 0.0633 | 0.00200                   | "     | 0.100       | ND  | 63.3 | 70-130      | 22.5 | 20        | QM-07 |
| Benzene                                | 0.0757 | 0.00200                   | "     | 0.100       | ND  | 75.7 | 70-130      | 8.03 | 20        |       |
| Ethylbenzene                           | 0.0850 | 0.00200                   | "     | 0.100       | ND  | 85.0 | 70-130      | 14.9 | 20        |       |
| m,p-Xylene                             | 0.160  | 0.00400                   | "     | 0.200       | ND  | 80.2 | 70-130      | 15.9 | 20        |       |
| o-Xylene                               | 0.0833 | 0.00200                   | "     | 0.100       | ND  | 83.3 | 70-130      | 13.4 | 20        |       |
| Toluene                                | 0.0841 | 0.00200                   | "     | 0.100       | ND  | 84.1 | 70-130      | 10.4 | 20        |       |
| Surrogate: 1,2-Dichloroethane-d4       | 0.13   |                           | "     | 0.125       |   | 106  | 70-130      |      |           |       |
| Surrogate: Toluene-d8                  | 0.13   |                           | "     | 0.125       |   | 106  | 70-130      |      |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.19   |                           | "     | 0.125       |   | 152  | 70-130      |      |           | QM-07 |

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

## Saturated Paste - Quality Control

### Origins Laboratory, Inc.

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

#### Batch B1L0601 - NO PREP

##### Blank (B1L0601-BLK1)

Prepared: 12/06/2021 Analyzed: 12/07/2021

Specific Conductance (EC) 0.00150 0.00500 mmhos/cm

##### Duplicate (B1L0601-DUP1)

Source: Y111515-13

Prepared: 12/06/2021 Analyzed: 12/07/2021

Specific Conductance (EC) 0.425 0.00500 mmhos/cm 0.408 3.89 25

#### Batch B1L0603 - NO PREP

##### Blank (B1L0603-BLK1)

Prepared: 12/06/2021 Analyzed: 12/07/2021

Specific Conductance (EC) 0.00460 0.00500 mmhos/cm

##### Duplicate (B1L0603-DUP1)

Source: Y112116-04

Prepared: 12/06/2021 Analyzed: 12/07/2021

Specific Conductance (EC) 0.110 0.00500 mmhos/cm 0.115 4.99 25

#### Batch B1L0604 - NO PREP

##### Duplicate (B1L0604-DUP1)

Source: Y112116-04

Prepared: 12/06/2021 Analyzed: 12/07/2021

pH 6.92 pH Units 7.55 8.71 25

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 L589063 -</b>   |        |                           |       |             |                                |      |             |     |           |       |
| <b>DUP (L 92267-DUP)</b> |        | <b>Source: Y112116-03</b> |       |             | Prepared: Analyzed: 12/09/2021 |      |             |     |           |       |
| Chromium, Hexavalent     | ND     | 0.247                     | mg/Kg |             | <0.508                         | -    |             | 0   | 20        |       |
| <b>MS (L 92267-MS)</b>   |        | <b>Source: Y112116-03</b> |       |             | Prepared: Analyzed: 12/09/2021 |      |             |     |           |       |
| Chromium, Hexavalent     | 5.81   | 0.244                     | mg/Kg | 7.74        | <0.244                         | 75   | 75-125      |     |           |       |
| <b>LCS (LCS)</b>         |        |                           |       |             | Prepared: Analyzed: 12/09/2021 |      |             |     |           |       |
| Chromium, Hexavalent     | 6.53   | 0.244                     | mg/Kg | 8           |                                | 82   | 75-125      |     |           |       |
| <b>LRB (LRB)</b>         |        |                           |       |             | Prepared: Analyzed: 12/09/2021 |      |             |     |           |       |
| Chromium, Hexavalent     | ND     | 0.5                       | mg/Kg |             |                                |      | -           |     |           |       |

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

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

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

### Batch L588647 - 3050B

#### MSD (L 92273-MSD-L588647)

Source: Y112116-09

Prepared: 12/07/2021 Analyzed: 12/14/2021

|          |       |        |       |       |         |     |        |      |    |  |
|----------|-------|--------|-------|-------|---------|-----|--------|------|----|--|
| Selenium | 4.06  | 0.103  | mg/Kg | 4.82  | <0.103  | 84  | 75-125 | 3.3  | 80 |  |
| Silver   | 0.486 | 0.0067 | "     | 0.482 | 0.0194  | 101 | 75-125 | 4.6  | 80 |  |
| Nickel   | 4.08  | 0.0633 | "     | 2.41  | 1.23    | 118 | 75-125 | 12.5 | 80 |  |
| Lead     | 4.41  | 0.031  | "     | 2.41  | 1.97    | 101 | 75-125 | 6.5  | 80 |  |
| Copper   | 3.69  | 0.0806 | "     | 2.41  | 0.999   | 112 | 75-125 | 8.4  | 80 |  |
| Cadmium  | 0.49  | 0.0259 | "     | 0.482 | <0.0259 | 102 | 75-125 | 3.7  | 80 |  |
| Barium   | 26.4  | 0.042  | "     | 4.82  | 21.4    | 104 | 75-125 | 0.3  | 80 |  |
| Arsenic  | 2.61  | 0.0855 | "     | 2.41  | 0.362   | 93  | 75-125 | 7.1  | 80 |  |
| Zinc     | 30    | 0.534  | "     | 24.1  | 5.2     | 103 | 75-125 | 6.1  | 80 |  |

#### MS (L 92273-MS-L588647)

Source: Y112116-09

Prepared: 12/07/2021 Analyzed: 12/14/2021

|          |       |        |       |       |         |     |        |  |  |  |
|----------|-------|--------|-------|-------|---------|-----|--------|--|--|--|
| Selenium | 4.2   | 0.103  | mg/Kg | 4.63  | <0.103  | 91  | 75-125 |  |  |  |
| Silver   | 0.464 | 0.0067 | "     | 0.463 | 0.0194  | 100 | 75-125 |  |  |  |
| Arsenic  | 2.43  | 0.0855 | "     | 2.31  | 0.362   | 89  | 75-125 |  |  |  |
| Barium   | 26.5  | 0.042  | "     | 4.63  | 21.4    | 110 | 75-125 |  |  |  |
| Cadmium  | 0.472 | 0.0259 | "     | 0.463 | <0.0259 | 102 | 75-125 |  |  |  |
| Copper   | 3.39  | 0.0806 | "     | 2.31  | 0.999   | 103 | 75-125 |  |  |  |
| Nickel   | 3.6   | 0.0633 | "     | 2.31  | 1.23    | 102 | 75-125 |  |  |  |
| Zinc     | 28.2  | 0.534  | "     | 23.1  | 5.2     | 99  | 75-125 |  |  |  |
| Lead     | 4.13  | 0.031  | "     | 2.31  | 1.97    | 93  | 75-125 |  |  |  |

#### LCS (LCS-L588647)

Prepared: 12/07/2021 Analyzed: 12/10/2021

|          |      |        |       |     |  |    |        |  |  |  |
|----------|------|--------|-------|-----|--|----|--------|--|--|--|
| Barium   | 4.92 | 0.042  | mg/Kg | 5   |  | 98 | 80-120 |  |  |  |
| Selenium | 4.12 | 0.103  | "     | 5   |  | 82 | 80-120 |  |  |  |
| Cadmium  | 0.47 | 0.0259 | "     | 0.5 |  | 94 | 80-120 |  |  |  |
| Zinc     | 22.9 | 0.534  | "     | 25  |  | 92 | 80-120 |  |  |  |
| Arsenic  | 2.39 | 0.0855 | "     | 2.5 |  | 96 | 80-120 |  |  |  |

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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN WH

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

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

### Batch L588647 - 3050B

#### LCS (LCS-L588647)

Prepared: 12/07/2021 Analyzed: 12/10/2021

|        |       |        |       |     |  |    |        |  |  |  |
|--------|-------|--------|-------|-----|--|----|--------|--|--|--|
| Silver | 0.474 | 0.0067 | mg/Kg | 0.5 |  | 95 | 80-120 |  |  |  |
| Nickel | 2.27  | 0.0633 | "     | 2.5 |  | 91 | 80-120 |  |  |  |
| Lead   | 2.45  | 0.031  | "     | 2.5 |  | 98 | 80-120 |  |  |  |
| Copper | 2.33  | 0.0806 | "     | 2.5 |  | 93 | 80-120 |  |  |  |

#### LRB (LRB-L588647)

Prepared: 12/07/2021 Analyzed: 12/10/2021

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

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WSP USA  
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Arvada CO 80003

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 |
|--------------------------|--------|----------------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| Batch L589062 -          |        |                      |       |             |                                |      |             |     |           |       |
| <b>DUP (L 92241-DUP)</b> |        | <b>Source: 92241</b> |       |             | Prepared: Analyzed: 12/09/2021 |      |             |     |           |       |
| Chromium, Hexavalent     | ND     | 0.247                | mg/Kg |             | <0.508                         | -    |             | 0   | 20        |       |
| <b>MS (L 92241-MS)</b>   |        | <b>Source: 92241</b> |       |             | Prepared: Analyzed: 12/09/2021 |      |             |     |           |       |
| Chromium, Hexavalent     | 1.97   | 0.246                | mg/Kg | 8.09        | <0.246                         | 24   | 75-125      |     |           | *     |

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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.

Origins Laboratory, Inc.



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Jordan A. Merrill, Project Manager





December 13, 2021

WSP USA

Brian Sulzberger

4600 W. 60th Ave.

Arvada

CO 80003

Project Name - KMG - Powers X 22-67HN WH

Project Number - 31403177.202.05

Attached are your analytical results for KMG - Powers X 22-67HN WH received by Origins Laboratory, Inc. December 07, 2021. This project is associated with Origins project number Y112183-01.

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

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

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

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

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

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



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

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

## CROSS REFERENCE REPORT

| Sample ID      | Laboratory ID | Matrix | Date Sampled           | Date Received    |
|----------------|---------------|--------|------------------------|------------------|
| FL01@3'        | Y112183-01    | Soil   | December 7, 2021 15:50 | 12/07/2021 17:04 |
| Sep01-Inlet@5' | Y112183-02    | Soil   | December 7, 2021 15:55 | 12/07/2021 17:04 |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

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page 1 of 1

**ORIGINS** LABORATORY, INC

Client: WSP, USA

Address: 4600 W 60th Ave

Arvada, CO 80003

Telephone Number: 303 889 9943

Email Address: KMG Group

Project Manager: Brian Sulzberger

Project Name: Powers X 22-67 HN Wellhead

Project Number: 31403177.202

Samples Collected By: Hyle Molline

| Sample ID Description          | Date Sampled | Time Sampled | # of Containers | Preservative |     |                  |             | Matrix |             |       | Analysis | Sample Instructions        |
|--------------------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------------|--------|-------------|-------|----------|----------------------------|
|                                |              |              |                 | Unpreserved  | HCl | HNO <sub>3</sub> | Groundwater | Soil   | Air Summa # | Other |          |                            |
| FL0103                         | 12/7/11      | 1550         | 2               | X            |     |                  |             | X      |             |       | Bocon    | General Water Protection 1 |
| <del>FL0103</del> Sepol-Encl03 | 12/7/11      | 1555         | 2               | X            |     |                  |             | X      |             |       | Bocon    | 2                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 3                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 4                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 5                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 6                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 7                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 8                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 9                          |
|                                |              |              |                 |              |     |                  |             | X      |             |       | Bocon    | 10                         |

Relinquished By: Hyle Molline Date: 12/7/11 Time: 1704

Relinquished By: Hyle Molline Date: 12/7/11 Time: 1704

Received By: [Signature] Date: 12/7/11 Time: 1704

Received By: [Signature] Date: 12/7/11 Time: 1704

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

Temp Received: 8.3 Date Results Needed

Origins Laboratory, Inc.

*Jordan A. Merrill*

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WSP USA

4600 W. 60th Ave.

Arvada

CO

80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Origins Laboratory

## Sample Receipt Checklist

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

Origins Work Order: 4112183

Client: WSP

Client Project ID: PAVER 22-67 WH

Checklist Completed by: KH

Shipped Via: HD

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

Date/time completed: 12/7/12

Airbill #: NA

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

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 1 15.3 °C / 1 °C / 1 °C / 1 °C

Thermometer ID: 1003

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

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

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

*Jordan A. Merrill*

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

FL01@3'

12/7/2021 3:50:00PM

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

**Origins Laboratory, Inc.**  
Y112183-01 (Soil)

**Boron (DTPA Sorbitol)**

|       |       |       |      |   |         |     |            |            |  |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.618 | 0.199 | mg/L | 1 | B1L0826 | KAP | 12/08/2021 | 12/09/2021 |  |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |     |            |            |   |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B1L0720 | ZZZ | 12/07/2021 | 12/08/2021 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | ZZZ | "          | "          | U |

|                        |       |        |  |  |   |   |   |  |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 123 % | 50-150 |  |  | " | " | " |  |
|------------------------|-------|--------|--|--|---|---|---|--|

**GBTEX+TMBs**

|                             |    |         |       |   |         |     |            |            |   |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Naphthalene                 | ND | 0.00380 | mg/kg | 1 | B1L0718 | ZZZ | 12/07/2021 | 12/08/2021 | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | ZZZ | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 98.6 % | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 96.5 % | 70-130 |  |  | " | " | " |  |

**Metals by Saturated Paste**

|         |      |       |       |    |        |     |            |            |  |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 1.33 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/08/2021 | 12/09/2021 |  |
|---------|------|-------|-------|----|--------|-----|------------|------------|--|

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

FL01@3'

12/7/2021 3:50:00PM

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

**Origins Laboratory, Inc.**  
Y112183-01 (Soil)

**Metals by Saturated Paste**

|           |    |       |       |    |        |     |            |            |  |
|-----------|----|-------|-------|----|--------|-----|------------|------------|--|
| Magnesium | ND | 0.823 | meq/L | 10 | [CALC] | KAP | 12/08/2021 | 12/09/2021 |  |
| Sodium    | ND | 0.435 | "     | "  | "      | KAP | "          | "          |  |

**pH in Soil by 9045D**

|    |      |  |          |   |         |     |            |            |  |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.19 |  | pH Units | 1 | B1L0806 | ACC | 12/08/2021 | 12/09/2021 |  |
|----|------|--|----------|---|---------|-----|------------|------------|--|

**SAR by 20B Saturated Paste**

|     |        |  |     |   |         |     |            |            |  |
|-----|--------|--|-----|---|---------|-----|------------|------------|--|
| SAR | 0.0994 |  | SAR | 1 | B1L0804 | KAP | 12/08/2021 | 12/09/2021 |  |
|-----|--------|--|-----|---|---------|-----|------------|------------|--|

**Specific Conductance Mod. 9050A**

|                           |       |         |          |   |         |     |            |            |  |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|
| Specific Conductance (EC) | 0.192 | 0.00500 | mmhos/cm | 1 | B1L0808 | ACC | 12/08/2021 | 12/09/2021 |  |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Sep01-Inlet@5'

12/7/2021 3:55:00PM

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

**Origins Laboratory, Inc.**  
Y112183-02 (Soil)

**Boron (DTPA Sorbitol)**

|       |    |       |      |   |         |     |            |            |  |
|-------|----|-------|------|---|---------|-----|------------|------------|--|
| Boron | ND | 0.198 | mg/L | 1 | B1L0826 | KAP | 12/08/2021 | 12/09/2021 |  |
|-------|----|-------|------|---|---------|-----|------------|------------|--|

**DRO/ORO by EPA 8015D**

|                                   |    |      |       |   |         |     |            |            |   |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28)                  | ND | 25.0 | mg/kg | 1 | B1L0720 | ZZZ | 12/07/2021 | 12/08/2021 | U |
| Residual Range Organics (C28-C40) | ND | 100  | "     | " | "       | ZZZ | "          | "          | U |

|                        |       |        |  |  |   |   |   |  |
|------------------------|-------|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 112 % | 50-150 |  |  | " | " | " |  |
|------------------------|-------|--------|--|--|---|---|---|--|

**GBTEX+TMBs**

|                             |    |         |       |   |         |     |            |            |   |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| Naphthalene                 | ND | 0.00380 | mg/kg | 1 | B1L0718 | ZZZ | 12/07/2021 | 12/08/2021 | U |
| Benzene                     | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |
| Ethylbenzene                | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |
| Toluene                     | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |
| Gasoline Range Hydrocarbons | ND | 0.200   | "     | " | "       | ZZZ | "          | "          | U |
| Xylenes, total              | ND | 0.00200 | "     | " | "       | ZZZ | "          | "          | U |

|                                  |        |        |  |  |   |   |   |  |
|----------------------------------|--------|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 104 %  | 70-130 |  |  | " | " | " |  |
| Surrogate: Toluene-d8            | 99.0 % | 70-130 |  |  | " | " | " |  |
| Surrogate: 4-Bromofluorobenzene  | 96.3 % | 70-130 |  |  | " | " | " |  |

**Metals by Saturated Paste**

|         |      |       |       |    |        |     |            |            |
|---------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 1.60 | 0.499 | meq/L | 10 | [CALC] | KAP | 12/08/2021 | 12/09/2021 |
|---------|------|-------|-------|----|--------|-----|------------|------------|

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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN WH

Sep01-Inlet@5'

12/7/2021 3:55:00PM

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

Origins Laboratory, Inc.

Y112183-02 (Soil)

## Metals by Saturated Paste

|           |       |       |       |    |        |     |            |            |  |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|--|
| Magnesium | ND    | 0.823 | meq/L | 10 | [CALC] | KAP | 12/08/2021 | 12/09/2021 |  |
| Sodium    | 0.705 | 0.435 | "     | "  | "      | KAP | "          | "          |  |

## pH in Soil by 9045D

|    |      |  |          |   |         |     |            |            |  |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 6.69 |  | pH Units | 1 | B1L0806 | ACC | 12/08/2021 | 12/09/2021 |  |
|----|------|--|----------|---|---------|-----|------------|------------|--|

## SAR by 20B Saturated Paste

|     |       |  |     |   |         |     |            |            |  |
|-----|-------|--|-----|---|---------|-----|------------|------------|--|
| SAR | 0.682 |  | SAR | 1 | B1L0804 | KAP | 12/08/2021 | 12/09/2021 |  |
|-----|-------|--|-----|---|---------|-----|------------|------------|--|

## Specific Conductance Mod. 9050A

|                           |       |         |          |   |         |     |            |            |  |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|
| Specific Conductance (EC) | 0.371 | 0.00500 | mmhos/cm | 1 | B1L0808 | ACC | 12/08/2021 | 12/09/2021 |  |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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

Brian Sulzberger  
Project Number: 31403177.202.05  
Project: KMG - Powers X 22-67HN 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 B1L0718 - EPA 5030 (soil)</b> |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B1L0718-BLK1)</b>            |        |                 |       |             | Prepared: 12/07/2021 Analyzed: 12/07/2021 |      |             |     |           |       |
| 1,2,4-Trimethylbenzene                 | ND     | 0.00200         | mg/kg |             |   |      |             |     |           | U     |
| Naphthalene                            | ND     | 0.0100          | "     |             |   |      |             |     |           | U     |
| 1,3,5-Trimethylbenzene                 | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Benzene                                | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Ethylbenzene                           | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Toluene                                | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Xylenes, total                         | ND     | 0.00200         | "     |             |   |      |             |     |           | U     |
| Gasoline Range Hydrocarbons            | ND     | 0.200           | "     |             |   |      |             |     |           | U     |
| Surrogate: 1,2-Dichloroethane-d4       | 0.12   |                 | "     | 0.125       |   | 98.2 | 70-130      |     |           |       |
| Surrogate: Toluene-d8                  | 0.12   |                 | "     | 0.125       |   | 98.5 | 70-130      |     |           |       |
| Surrogate: 4-Bromofluorobenzene        | 0.12   |                 | "     | 0.125       |   | 95.1 | 70-130      |     |           |       |

Origins Laboratory, Inc.



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WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 B1L0718 - EPA 5030 (soil)**

**LCS (B1L0718-BS1)**

Prepared: 12/07/2021 Analyzed: 12/07/2021

|                                  |        |         |       |       |  |      |        |  |  |  |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene           | 0.0945 | 0.00200 | mg/kg | 0.100 |  | 94.5 | 70-130 |  |  |  |
| Naphthalene                      | 0.108  | 0.0100  | "     | 0.100 |  | 108  | 70-130 |  |  |  |
| 1,3,5-Trimethylbenzene           | 0.0948 | 0.00200 | "     | 0.100 |  | 94.8 | 70-130 |  |  |  |
| Benzene                          | 0.110  | 0.00200 | "     | 0.100 |  | 110  | 70-130 |  |  |  |
| Ethylbenzene                     | 0.102  | 0.00200 | "     | 0.100 |  | 102  | 70-130 |  |  |  |
| m,p-Xylene                       | 0.204  | 0.00400 | "     | 0.200 |  | 102  | 70-130 |  |  |  |
| o-Xylene                         | 0.104  | 0.00200 | "     | 0.100 |  | 104  | 70-130 |  |  |  |
| Toluene                          | 0.108  | 0.00200 | "     | 0.100 |  | 108  | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13   |         | "     | 0.125 |  | 107  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.12   |         | "     | 0.125 |  | 98.8 | 70-130 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.12   |         | "     | 0.125 |  | 96.4 | 70-130 |  |  |  |

Origins Laboratory, Inc.



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Jordan A. Merrill, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 B1L0718 - EPA 5030 (soil)**

| Matrix Spike (B1L0718-MS1)       |        | Source: Y112174-01 |       |       | Prepared: 12/07/2021 Analyzed: 12/07/2021 |      |        |  |  |       |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|--|--|-------|
| 1,2,4-Trimethylbenzene           | 0.0461 | 0.00200            | mg/kg | 0.100 | ND  | 46.1 | 70-130 |  |  | QM-07 |
| Naphthalene                      | 0.0533 | 0.0100             | "     | 0.100 | ND  | 53.3 | 70-130 |  |  | QM-07 |
| 1,3,5-Trimethylbenzene           | 0.0455 | 0.00200            | "     | 0.100 | ND  | 45.5 | 70-130 |  |  | QM-07 |
| Benzene                          | 0.0592 | 0.00200            | "     | 0.100 | ND  | 59.2 | 70-130 |  |  | QM-07 |
| Ethylbenzene                     | 0.0511 | 0.00200            | "     | 0.100 | ND  | 51.1 | 70-130 |  |  | QM-07 |
| m,p-Xylene                       | 0.102  | 0.00400            | "     | 0.200 | ND  | 50.9 | 70-130 |  |  | QM-07 |
| o-Xylene                         | 0.0522 | 0.00200            | "     | 0.100 | ND  | 52.2 | 70-130 |  |  | QM-07 |
| Toluene                          | 0.0558 | 0.00200            | "     | 0.100 | ND  | 55.8 | 70-130 |  |  | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14   |                    | "     | 0.125 |   | 112  | 70-130 |  |  |       |
| Surrogate: Toluene-d8            | 0.12   |                    | "     | 0.125 |   | 97.4 | 70-130 |  |  |       |
| Surrogate: 4-Bromofluorobenzene  | 0.12   |                    | "     | 0.125 |   | 96.6 | 70-130 |  |  |       |

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Jordan A. Merrill, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 B1L0718 - EPA 5030 (soil)**

| Matrix Spike Dup (B1L0718-MSD1)  |        | Source: Y112174-01 |       |       | Prepared: 12/07/2021 Analyzed: 12/07/2021 |      |        |     |    |       |
|----------------------------------|--------|--------------------|-------|-------|---|------|--------|-----|----|-------|
| 1,2,4-Trimethylbenzene           | 0.0129 | 0.00200            | mg/kg | 0.100 | ND  | 12.9 | 70-130 | 113 | 20 | QM-07 |
| Naphthalene                      | 0.0167 | 0.0100             | "     | 0.100 | ND  | 16.7 | 70-130 | 104 | 20 | QM-07 |
| 1,3,5-Trimethylbenzene           | 0.0122 | 0.00200            | "     | 0.100 | ND  | 12.2 | 70-130 | 115 | 20 | QM-07 |
| Benzene                          | 0.0172 | 0.00200            | "     | 0.100 | ND  | 17.2 | 70-130 | 110 | 20 | QM-07 |
| Ethylbenzene                     | 0.0133 | 0.00200            | "     | 0.100 | ND  | 13.3 | 70-130 | 118 | 20 | QM-07 |
| m,p-Xylene                       | 0.0264 | 0.00400            | "     | 0.200 | ND  | 13.2 | 70-130 | 118 | 20 | QM-07 |
| o-Xylene                         | 0.0141 | 0.00200            | "     | 0.100 | ND  | 14.1 | 70-130 | 115 | 20 | QM-07 |
| Toluene                          | 0.0153 | 0.00200            | "     | 0.100 | ND  | 15.3 | 70-130 | 114 | 20 | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.14   |                    | "     | 0.125 |   | 113  | 70-130 |     |    |       |
| Surrogate: Toluene-d8            | 0.12   |                    | "     | 0.125 |   | 96.8 | 70-130 |     |    |       |
| Surrogate: 4-Bromofluorobenzene  | 0.12   |                    | "     | 0.125 |   | 96.2 | 70-130 |     |    |       |

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Jordan A. Merrill, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 B1L0720 - EPA 3550B</b>  |        |                 |       |             |   |      |             |     |           |       |
| <b>Blank (B1L0720-BLK1)</b>       |        |                 |       |             | Prepared: 12/07/2021 Analyzed: 12/07/2021 |      |             |     |           |       |
| Diesel (C10-C28)                  | ND     | 25.0            | mg/kg |             |   |      |             |     |           | U     |
| Residual Range Organics (C28-C40) | ND     | 100             | "     |             |   |      |             |     |           | U     |
| Surrogate: o-Terphenyl            | 35     |                 | "     | 24.9        |   | 140  | 50-150      |     |           |       |

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Jordan A. Merrill, Project Manager

WSP USA

4600 W. 60th Ave.

Arvada CO 80003

Brian Sulzberger

Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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 B1L0720 - EPA 3550B

**LCS (B1L0720-BS1)**

Prepared: 12/07/2021 Analyzed: 12/07/2021

|                                   |     |      |       |      |  |     |        |  |  |  |
|-----------------------------------|-----|------|-------|------|--|-----|--------|--|--|--|
| Diesel (C10-C28)                  | 528 | 25.0 | mg/kg | 500  |  | 106 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 567 | 100  | "     | 500  |  | 113 | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 30  |      | "     | 24.9 |  | 122 | 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.*

Jordan A. Merrill, Project Manager

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**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 B1L0720 - EPA 3550B**

| Matrix Spike (B1L0720-MS1)        |     | Source: Y112174-01 |       |      | Prepared: 12/07/2021 Analyzed: 12/07/2021 |      |        |  |  |  |
|-----------------------------------|-----|--------------------|-------|------|---|------|--------|--|--|--|
| Diesel (C10-C28)                  | 479 | 25.0               | mg/kg | 500  | ND  | 95.8 | 70-130 |  |  |  |
| Residual Range Organics (C28-C40) | 514 | 100                | "     | 500  | ND  | 103  | 70-130 |  |  |  |
| Surrogate: o-Terphenyl            | 27  |                    | "     | 24.9 |   | 107  | 50-150 |  |  |  |

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## 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 B1L0720 - EPA 3550B

| Matrix Spike Dup (B1L0720-MSD1)   |     | Source: Y112174-01 |       |      | Prepared: 12/07/2021 Analyzed: 12/07/2021 |     |        |      |    |  |
|-----------------------------------|-----|--------------------|-------|------|---|-----|--------|------|----|--|
| Diesel (C10-C28)                  | 512 | 25.0               | mg/kg | 500  | ND  | 102 | 70-130 | 6.75 | 35 |  |
| Residual Range Organics (C28-C40) | 550 | 100                | "     | 500  | ND  | 110 | 70-130 | 6.83 | 35 |  |
| Surrogate: o-Terphenyl            | 28  |                    | "     | 24.9 |   | 114 | 50-150 |      |    |  |

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## 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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

## Saturated Paste - Quality Control

### Origins Laboratory, Inc.

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

#### Batch B1L0806 - NO PREP

##### Duplicate (B1L0806-DUP1)

Source: Y112176-12

Prepared: 12/08/2021 Analyzed: 12/09/2021

|    |      |          |      |      |    |
|----|------|----------|------|------|----|
| pH | 8.86 | pH Units | 8.99 | 1.46 | 25 |
|----|------|----------|------|------|----|

#### Batch B1L0808 - NO PREP

##### Blank (B1L0808-BLK1)

Prepared: 12/08/2021 Analyzed: 12/09/2021

|                           |          |         |          |
|---------------------------|----------|---------|----------|
| Specific Conductance (EC) | 0.000900 | 0.00500 | mmhos/cm |
|---------------------------|----------|---------|----------|

##### Duplicate (B1L0808-DUP1)

Source: Y112176-12

Prepared: 12/08/2021 Analyzed: 12/09/2021

|                           |      |         |          |      |      |    |
|---------------------------|------|---------|----------|------|------|----|
| Specific Conductance (EC) | 3.00 | 0.00500 | mmhos/cm | 2.87 | 4.60 | 25 |
|---------------------------|------|---------|----------|------|------|----|

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Project Number: 31403177.202.05

Project: KMG - Powers X 22-67HN 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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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