



January 20, 2023

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Sakata Red W 6-1A

Project Number - [none]

Attached are your analytical results for KMG - Sakata Red W 6-1A received by Origins Laboratory, Inc. January 04, 2023. This project is associated with Origins project number Y301035-01.

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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|-----------------------|------------------|
| WH-B01@6' | Y301035-01 | Soil | January 4, 2023 9:40 | 01/04/2023 16:00 |
| FL-B01@5' | Y301035-02 | Soil | January 4, 2023 9:42 | 01/04/2023 16:00 |
| WH-BG01@3' | Y301035-03 | Soil | January 4, 2023 10:00 | 01/04/2023 16:00 |
| WH-BG01@6' | Y301035-04 | Soil | January 4, 2023 10:02 | 01/04/2023 16:00 |
| WH-BG02@3' | Y301035-05 | Soil | January 4, 2023 10:05 | 01/04/2023 16:00 |
| WH-BG02@6' | Y301035-06 | Soil | January 4, 2023 10:07 | 01/04/2023 16:00 |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 9301035

Client: Eagle
 Client Project ID: Sakata Red WG-1A

Checklist Completed by: EHS

Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: 25

Date/time completed: 1/4/12

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


Cooler Number/Temperature: 1103 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T004

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

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

[Signature] 1/4/12
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.

 Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-B01@6'
1/4/2023 9:40:00AM

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

Origins Laboratory, Inc.
Y301035-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.221 | | 0.0999 | mg/L | 1 | B3A0503 | 01/05/2023 | 01/06/2023 | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B3A0414 | 01/04/2023 | 01/04/2023 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 74.7 % | | 50-150 | | | " | " | " | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B3A0415 | 01/04/2023 | 01/04/2023 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-B01@6'
1/4/2023 9:40:00AM

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

Origins Laboratory, Inc.
Y301035-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 94.0 % | | 70-130 | | | B3A04 15 | 01/04/2023 | 01/04/2023 | |
| Surrogate: Toluene-d8 | 87.7 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 84.3 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.29 | | 0.499 | meq/L | 10 | [CALC] | 01/05/2023 | 01/06/2023 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 1.91 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 9.51 | | | pH Units | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--|-----|---|---------|------------|------------|--|
| SAR | 2.22 | | | SAR | 1 | B3A0504 | 01/05/2023 | 01/06/2023 | |
|-----|------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.564 | | 0.00500 | mmhos/cm | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B01@5'

1/4/2023 9:42:00AM

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

Origins Laboratory, Inc.
Y301035-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|
| Boron | 0.234 | | 0.101 | mg/L | 1 | B3A0607 | 01/06/2023 | 01/09/2023 | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B3A0414 | 01/04/2023 | 01/04/2023 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 74.9 % | | 50-150 | | | " | " | " | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B3A0415 | 01/04/2023 | 01/04/2023 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.00380 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B01@5'

1/4/2023 9:42:00AM

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

**Origins Laboratory, Inc.
 Y301035-02 (Soil)**

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 93.4 % | | 70-130 | | | B3A04 15 | 01/04/2023 | 01/04/2023 | |
| Surrogate: Toluene-d8 | 89.0 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 85.3 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.10 | | 0.499 | meq/L | 10 | [CALC] | 01/05/2023 | 01/06/2023 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 1.46 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.25 | | | pH Units | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--|-----|---|---------|------------|------------|--|
| SAR | 1.66 | | | SAR | 1 | B3A0504 | 01/05/2023 | 01/06/2023 | |
|-----|------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.514 | | 0.00500 | mmhos/cm | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG01@3'
1/4/2023 10:00:00AM

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

Origins Laboratory, Inc.
Y301035-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.243 | | 0.0995 | mg/L | 1 | B3A0607 | 01/06/2023 | 01/09/2023 | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 15.6 | | 0.499 | meq/L | 10 | [CALC] | 01/05/2023 | 01/06/2023 | |
| Magnesium | 4.30 | | 0.823 | " | " | " | " | " | |
| Sodium | 3.04 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.53 | | | pH Units | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|
| SAR | 0.964 | | | SAR | 1 | B3A0504 | 01/05/2023 | 01/06/2023 | |
|-----|-------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 2.71 | | 0.00500 | mmhos/cm | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|-------|--|--------|-------|----|---------|------------|------------|---|
| Arsenic | 3.81 | | 0.0987 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
| Barium | 116 | | 9.87 | " | " | " | " | " | |
| Cadmium | 0.218 | | 0.0987 | " | " | " | " | " | |
| Copper | ND | | 9.87 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG01@3'

1/4/2023 10:00:00AM

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

Origins Laboratory, Inc.
Y301035-03 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|--------------|--|--------|-------|----|---------|------------|------------|---|
| Lead | ND | | 9.87 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | U |
| Nickel | ND | | 9.87 | " | " | " | " | " | U |
| Selenium | 0.121 | | 0.0987 | " | " | " | " | " | |
| Silver | ND | | 0.0987 | " | " | " | " | " | U |
| Zinc | ND | | 98.7 | " | " | " | " | " | U |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L659149 | 01/04/2023 | 01/18/2023 | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG01@6'
1/4/2023 10:02:00AM

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

Origins Laboratory, Inc.
Y301035-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|----|--|--------|------|---|---------|------------|------------|---|
| Boron | ND | | 0.0981 | mg/L | 1 | B3A0607 | 01/06/2023 | 01/09/2023 | U |
|-------|----|--|--------|------|---|---------|------------|------------|---|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 6.59 | | 0.499 | meq/L | 10 | [CALC] | 01/05/2023 | 01/06/2023 | |
| Magnesium | 2.98 | | 0.823 | " | " | " | " | " | |
| Sodium | 2.41 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.74 | | | pH Units | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--|-----|---|---------|------------|------------|--|
| SAR | 1.10 | | | SAR | 1 | B3A0504 | 01/05/2023 | 01/06/2023 | |
|-----|------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 1.35 | | 0.00500 | mmhos/cm | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--|--------|-------|----|---------|------------|------------|---|
| Arsenic | 2.04 | | 0.0938 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
| Barium | 82.9 | | 9.38 | " | " | " | " | " | |
| Cadmium | ND | | 0.0938 | " | " | " | " | " | U |
| Copper | ND | | 9.38 | " | " | " | " | " | U |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG01@6'

1/4/2023 10:02:00AM

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

Origins Laboratory, Inc.
Y301035-04 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|----|--|--------|-------|----|---------|------------|------------|---|
| Lead | ND | | 9.38 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | U |
| Nickel | ND | | 9.38 | " | " | " | " | " | U |
| Selenium | ND | | 0.0938 | " | " | " | " | " | U |
| Silver | ND | | 0.0938 | " | " | " | " | " | U |
| Zinc | ND | | 93.8 | " | " | " | " | " | U |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.244 | 0.501 | mg/Kg | 1 | L659149 | 01/04/2023 | 01/18/2023 | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG02@3'

1/4/2023 10:05:00AM

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

Origins Laboratory, Inc.
Y301035-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|
| Boron | 0.199 | | 0.100 | mg/L | 1 | B3A0607 | 01/06/2023 | 01/09/2023 | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 2.05 | | 0.499 | meq/L | 10 | [CALC] | 01/05/2023 | 01/06/2023 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 2.74 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.02 | | | pH Units | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--|-----|---|---------|------------|------------|--|
| SAR | 2.29 | | | SAR | 1 | B3A0504 | 01/05/2023 | 01/06/2023 | |
|-----|------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.618 | | 0.00500 | mmhos/cm | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|-------|--|--------|-------|----|---------|------------|------------|---|
| Arsenic | 3.41 | | 0.0937 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
| Barium | 119 | | 9.37 | " | " | " | " | " | |
| Cadmium | 0.202 | | 0.0937 | " | " | " | " | " | |
| Copper | ND | | 9.37 | " | " | " | " | " | U |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG02@3'

1/4/2023 10:05:00AM

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

Origins Laboratory, Inc.
Y301035-05 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|---|
| Lead | 9.91 | | 9.37 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
| Nickel | ND | | 9.37 | " | " | " | " | " | U |
| Selenium | 0.114 | | 0.0937 | " | " | " | " | " | |
| Silver | ND | | 0.0937 | " | " | " | " | " | U |
| Zinc | ND | | 93.7 | " | " | " | " | " | U |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.251 | 0.516 | mg/Kg | 1 | L659149 | 01/04/2023 | 01/18/2023 | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG02@6'

1/4/2023 10:07:00AM

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

Origins Laboratory, Inc.
Y301035-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.119 | | 0.0980 | mg/L | 1 | B3A0607 | 01/06/2023 | 01/09/2023 | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.80 | | 0.499 | meq/L | 10 | [CALC] | 01/05/2023 | 01/06/2023 | |
| Magnesium | 0.869 | | 0.823 | " | " | " | " | " | |
| Sodium | 2.23 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.07 | | | pH Units | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--|-----|---|---------|------------|------------|--|
| SAR | 1.93 | | | SAR | 1 | B3A0504 | 01/05/2023 | 01/06/2023 | |
|-----|------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.539 | | 0.00500 | mmhos/cm | 1 | B3A0508 | 01/05/2023 | 01/06/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|-------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 3.18 | | 0.0915 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
| Barium | 136 | | 9.15 | " | " | " | " | " | |
| Cadmium | 0.120 | | 0.0915 | " | " | " | " | " | |
| Copper | 9.59 | | 9.15 | " | " | " | " | " | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

WH-BG02@6'

1/4/2023 10:07:00AM

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

Origins Laboratory, Inc.
Y301035-06 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|---|
| Lead | 10.4 | | 9.15 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
| Nickel | ND | | 9.15 | " | " | " | " | " | U |
| Selenium | 0.131 | | 0.0915 | " | " | " | " | " | |
| Silver | ND | | 0.0915 | " | " | " | " | " | U |
| Zinc | ND | | 91.5 | " | " | " | " | " | U |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L659149 | 01/04/2023 | 01/18/2023 | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0414 - EPA 3580 | | | | | | | | | | |
| Blank (B3A0414-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 01/04/2023 Analyzed: 01/04/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 21 | | " | 24.9 | | 82.6 | 50-150 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0414 - EPA 3580

LCS (B3A0414-BS1)

Prepared: 01/04/2023 Analyzed: 01/04/2023

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 941 | 50.0 | mg/kg | 1000 | | 94.1 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1000 | 200 | " | 1000 | | 100 | 70-130 | | | |
| Surrogate: o-Terphenyl | 41 | | " | 49.8 | | 81.6 | 50-150 | | | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0414 - EPA 3580

| Matrix Spike (B3A0414-MS1) | Source: Y301035-01 | | | Prepared: 01/04/2023 Analyzed: 01/04/2023 | | | | | | |
|-----------------------------------|---------------------------|------|-------|--|----|------|--------|--|--|--|
| Diesel (C10-C28) | 942 | 50.0 | mg/kg | 1000 | ND | 94.2 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1000 | 200 | " | 1000 | ND | 100 | 70-130 | | | |
| Surrogate: o-Terphenyl | 36 | | " | 49.8 | | 71.7 | 50-150 | | | |

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0414 - EPA 3580

| Matrix Spike Dup (B3A0414-MSD1) | Source: Y301035-01 | | Prepared: 01/04/2023 Analyzed: 01/04/2023 | | | | | | | |
|--|---------------------------|------|--|------|----|------|--------|--------|----|--|
| Diesel (C10-C28) | 943 | 50.0 | mg/kg | 1000 | ND | 94.3 | 70-130 | 0.0684 | 35 | |
| Residual Range Organics (C28-C40) | 1000 | 200 | " | 1000 | ND | 100 | 70-130 | 0.264 | 35 | |
| Surrogate: o-Terphenyl | 36 | | " | 49.8 | | 71.5 | 50-150 | | | |

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0415 - EPA 5030 (soil)

Blank (B3A0415-BLK1)

Prepared: 01/04/2023 Analyzed: 01/04/2023

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|--|------|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 93.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 87.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.10 | | " | 0.125 | | 83.3 | 70-130 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0415 - EPA 5030 (soil)

LCS (B3A0415-BS1)

Prepared: 01/04/2023 Analyzed: 01/04/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0996 | 0.00200 | mg/kg | 0.100 | | 99.6 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0969 | 0.00200 | " | 0.100 | | 96.9 | 70-130 | | | |
| Benzene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | | | |
| Ethylbenzene | 0.0941 | 0.00200 | " | 0.100 | | 94.1 | 70-130 | | | |
| Naphthalene | 0.119 | 0.00380 | " | 0.100 | | 119 | 70-130 | | | |
| Toluene | 0.0988 | 0.00200 | " | 0.100 | | 98.8 | 70-130 | | | |
| o-Xylene | 0.0938 | 0.00200 | " | 0.100 | | 93.8 | 70-130 | | | |
| m,p-Xylene | 0.180 | 0.00400 | " | 0.200 | | 90.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 94.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 88.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 85.1 | 70-130 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0415 - EPA 5030 (soil)

| Matrix Spike (B3A0415-MS1) | Source: Y301035-01 | | | Prepared: 01/04/2023 Analyzed: 01/04/2023 | | | | | | |
|-----------------------------------|---------------------------|---------|-------|--|---------|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0941 | 0.00200 | mg/kg | 0.100 | ND | 94.1 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0936 | 0.00200 | " | 0.100 | ND | 93.6 | 70-130 | | | |
| Benzene | 0.0988 | 0.00200 | " | 0.100 | ND | 98.8 | 70-130 | | | |
| Ethylbenzene | 0.0890 | 0.00200 | " | 0.100 | ND | 89.0 | 70-130 | | | |
| Naphthalene | 0.102 | 0.00380 | " | 0.100 | ND | 102 | 70-130 | | | |
| Toluene | 0.0945 | 0.00200 | " | 0.100 | ND | 94.5 | 70-130 | | | |
| o-Xylene | 0.0880 | 0.00200 | " | 0.100 | ND | 88.0 | 70-130 | | | |
| m,p-Xylene | 0.167 | 0.00400 | " | 0.200 | 0.00178 | 82.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 93.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 88.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.11 | | " | 0.125 | | 84.0 | 70-130 | | | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A0415 - EPA 5030 (soil)

| Matrix Spike Dup (B3A0415-MSD1) | Source: Y301035-01 | | | Prepared: 01/04/2023 Analyzed: 01/04/2023 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|---------|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene | 0.0938 | 0.00200 | mg/kg | 0.100 | ND | 93.8 | 70-130 | 0.298 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0922 | 0.00200 | " | 0.100 | ND | 92.2 | 70-130 | 1.46 | 20 | |
| Benzene | 0.0976 | 0.00200 | " | 0.100 | ND | 97.6 | 70-130 | 1.20 | 20 | |
| Ethylbenzene | 0.0874 | 0.00200 | " | 0.100 | ND | 87.4 | 70-130 | 1.84 | 20 | |
| Naphthalene | 0.103 | 0.00380 | " | 0.100 | ND | 103 | 70-130 | 1.35 | 20 | |
| Toluene | 0.0924 | 0.00200 | " | 0.100 | ND | 92.4 | 70-130 | 2.25 | 20 | |
| o-Xylene | 0.0864 | 0.00200 | " | 0.100 | ND | 86.4 | 70-130 | 1.79 | 20 | |
| m,p-Xylene | 0.165 | 0.00400 | " | 0.200 | 0.00178 | 81.8 | 70-130 | 1.21 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 93.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.11 | | " | 0.125 | | 88.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.10 | | " | 0.125 | | 83.6 | 70-130 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

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

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

Batch B3A1323 - EPA 3050B

Blank (B3A1323-BLK1)

Prepared: 01/13/2023 Analyzed: 01/18/2023

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

LCS (B3A1323-BS1)

Prepared: 01/13/2023 Analyzed: 01/18/2023

| | | | | | | | | | | |
|----------|--------|----------|-------|--------|--|------|--------|--|--|--|
| Arsenic | 0.0489 | 0.000100 | mg/kg | 0.0500 | | 97.8 | 80-120 | | | |
| Barium | 5.19 | 0.0100 | " | 5.00 | | 104 | 80-120 | | | |
| Cadmium | 0.0524 | 0.000100 | " | 0.0500 | | 105 | 80-120 | | | |
| Copper | 0.531 | 0.0100 | " | 0.500 | | 106 | 80-120 | | | |
| Lead | 0.0545 | 0.0100 | " | 0.0500 | | 109 | 80-120 | | | |
| Nickel | 0.0531 | 0.0100 | " | 0.0500 | | 106 | 80-120 | | | |
| Selenium | 0.0488 | 0.000100 | " | 0.0500 | | 97.5 | 80-120 | | | |
| Silver | 0.0450 | 0.000100 | " | 0.0500 | | 90.0 | 80-120 | | | |
| Zinc | 0.513 | 0.100 | " | 0.500 | | 103 | 80-120 | | | |

Matrix Spike (B3A1323-MS1)

Source: Y301177-01

Prepared: 01/13/2023 Analyzed: 01/18/2023

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

Batch B3A1323 - EPA 3050B

| Matrix Spike (B3A1323-MS1) | | Source: Y301177-01 | | | Prepared: 01/13/2023 Analyzed: 01/18/2023 | | | | | |
|-----------------------------------|------|---------------------------|-------|------|---|------|--------|--|--|---|
| Arsenic | 6.84 | 0.0906 | mg/kg | 4.53 | 2.41 | 97.9 | 75-125 | | | |
| Barium | 508 | 9.06 | " | 453 | 23.6 | 107 | 75-125 | | | |
| Cadmium | 4.91 | 0.0906 | " | 4.53 | 0.0346 | 108 | 75-125 | | | |
| Copper | 51.1 | 9.06 | " | 45.3 | 0.791 | 111 | 75-125 | | | |
| Lead | 7.59 | 9.06 | " | 4.53 | 2.83 | 105 | 75-125 | | | U |
| Nickel | 6.11 | 9.06 | " | 4.53 | 1.37 | 105 | 75-125 | | | U |
| Selenium | 4.55 | 0.0906 | " | 4.53 | 0.0462 | 99.3 | 75-125 | | | |
| Silver | 4.20 | 0.0906 | " | 4.53 | 0.00192 | 92.6 | 75-125 | | | |
| Zinc | 55.8 | 90.6 | " | 45.3 | ND | 123 | 75-125 | | | U |

| Matrix Spike Dup (B3A1323-MSD1) | | Source: Y301177-01 | | | Prepared: 01/13/2023 Analyzed: 01/18/2023 | | | | | |
|--|------|---------------------------|-------|------|---|------|--------|------|----|---------------|
| Arsenic | 13.2 | 0.0947 | mg/kg | 4.73 | 2.41 | 228 | 75-125 | 63.5 | 20 | QM-07, QR-DUP |
| Barium | 561 | 9.47 | " | 473 | 23.6 | 114 | 75-125 | 9.97 | 20 | |
| Cadmium | 5.52 | 0.0947 | " | 4.73 | 0.0346 | 116 | 75-125 | 11.8 | 20 | |
| Copper | 57.5 | 9.47 | " | 47.3 | 0.791 | 120 | 75-125 | 11.9 | 20 | |
| Lead | 10.4 | 9.47 | " | 4.73 | 2.83 | 160 | 75-125 | 31.4 | 20 | QM-07, QR-DUP |
| Nickel | 7.88 | 9.47 | " | 4.73 | 1.37 | 138 | 75-125 | 25.4 | 20 | QM-07, QR-DUP |
| Selenium | 5.35 | 0.0947 | " | 4.73 | 0.0462 | 112 | 75-125 | 16.2 | 20 | |
| Silver | 4.71 | 0.0947 | " | 4.73 | 0.00192 | 99.4 | 75-125 | 11.4 | 20 | |
| Zinc | 65.5 | 94.7 | " | 47.3 | ND | 138 | 75-125 | 16.1 | 20 | QM-07, U |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|-------|-------------|---|------|-------------|-------|-----------|-------|
| Batch B3A0503 - DTPA Sorbitol Preparation | | | | | | | | | | |
| Blank (B3A0503-BLK1) | | | | | Prepared: 01/05/2023 Analyzed: 01/06/2023 | | | | | |
| Boron | ND | 0.100 | mg/L | | | | | | | U |
| Duplicate (B3A0503-DUP1) | | Source: Y301027-02 | | | Prepared: 01/05/2023 Analyzed: 01/06/2023 | | | | | |
| Boron | 0.848 | 0.0999 | mg/L | | 0.781 | | | 8.24 | 50 | |
| Batch B3A0504 - Saturated Paste Metals | | | | | | | | | | |
| Blank (B3A0504-BLK1) | | | | | Prepared: 01/05/2023 Analyzed: 01/06/2023 | | | | | |
| SAR | 0.00 | | SAR | | | | | | | U |
| Calcium PPM | ND | 10.0 | mg/L | | | | | | | U |
| Magnesium PPM | ND | 10.0 | " | | | | | | | U |
| Sodium PPM | ND | 10.0 | " | | | | | | | U |
| Duplicate (B3A0504-DUP1) | | Source: Y301021-17 | | | Prepared: 01/05/2023 Analyzed: 01/06/2023 | | | | | |
| SAR | 0.00 | | SAR | | 1.75 | | | 200 | 200 | U |
| Calcium PPM | 33.2 | 10.0 | mg/L | | 34.2 | | | 2.98 | 50 | |
| Magnesium PPM | 23.0 | 10.0 | " | | 23.1 | | | 0.738 | 50 | |
| Sodium PPM | 53.4 | 10.0 | " | | 54.0 | | | 1.13 | 50 | |
| Batch B3A0607 - DTPA Sorbitol Preparation | | | | | | | | | | |
| Blank (B3A0607-BLK1) | | | | | Prepared: 01/06/2023 Analyzed: 01/09/2023 | | | | | |
| Boron | ND | 0.100 | mg/L | | | | | | | U |
| Duplicate (B3A0607-DUP1) | | Source: Y301035-02 | | | Prepared: 01/06/2023 Analyzed: 01/09/2023 | | | | | |
| Boron | 0.194 | 0.0989 | mg/L | | 0.234 | | | 18.4 | 50 | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B3A0508 - Saturated Paste pH/EC

Blank (B3A0508-BLK1)

Prepared: 01/05/2023 Analyzed: 01/06/2023

| | | | | | | | | | | |
|---------------------------|----|---------|----------|--|--|--|--|--|--|---|
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | U |
|---------------------------|----|---------|----------|--|--|--|--|--|--|---|

Duplicate (B3A0508-DUP1)

Source: Y301021-17

Prepared: 01/05/2023 Analyzed: 01/06/2023

| | | | | | | | | | | |
|---------------------------|-------|---------|----------|--|-------|--|-------|--|----|--|
| pH | 8.01 | | pH Units | | 8.06 | | 0.622 | | 25 | |
| Specific Conductance (EC) | 0.685 | 0.00500 | mmhos/cm | | 0.636 | | 7.30 | | 25 | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 L659149 - | | | | | | | | | | |
| DUP (L 93495-DUP) | | Source: 93495 | | | Prepared: Analyzed: 01/18/2023 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | <0.500 | | - | 0 | 20 | |
| MS (L 93495-MS) | | Source: 93495 | | | Prepared: Analyzed: 01/18/2023 | | | | | |
| Chromium, Hexavalent | 38.9 | 2.5 | mg/Kg | 38.7 | < 0.248 | 101 | 75-125 | | | |
| LCS (LCS) | | Prepared: Analyzed: 01/18/2023 | | | | | | | | |
| Chromium, Hexavalent | 6.85 | 0.5 | mg/Kg | 8 | | 86 | 75-125 | | | |
| LRB (LRB) | | Prepared: Analyzed: 01/18/2023 | | | | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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



January 17, 2023

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Sakata Red W 6-1A

Project Number - [none]

Attached are your analytical results for KMG - Sakata Red W 6-1A received by Origins Laboratory, Inc. January 11, 2023. This project is associated with Origins project number Y301175-01.

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

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| FL-B02@6' | Y301175-01 | Soil | January 11, 2023 14:55 | 01/11/2023 16:43 |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4301175 Client: Eagle
 Client Project ID: Sakata Red W 6-1A
 Checklist Completed by: EHS/DE Shipped Via: HD
 Date/time completed: 11/11/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1, 1.0 °C _____ °C _____ °C _____ °C
 Thermometer ID: T004

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

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

DE
 Reviewed by (Project Manager)

01/10/23
 Date/Time Reviewed

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B02@6'

1/11/2023 2:55:00PM

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

Origins Laboratory, Inc.
Y301175-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|----|-------|------|---|---------|-----|------------|------------|--|
| Boron | ND | 0.100 | mg/L | 1 | B3A1207 | KAP | 01/12/2023 | 01/13/2023 | |
|-------|----|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3A1121 | ADM | 01/11/2023 | 01/12/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ADM | " | " | U |

Surrogate: *o*-Terphenyl 107 % 50-150 " " "

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3A1122 | ZZZ | 01/11/2023 | 01/11/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Naphthalene | ND | 0.00380 | " | " | " | ZZZ | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | ZZZ | " | " | U |

Surrogate: 1,2-Dichloroethane-d4 96.0 % 70-130 " " "
 Surrogate: Toluene-d8 101 % 70-130 " " "
 Surrogate: 4-Bromofluorobenzene 99.2 % 70-130 " " "

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B02@6'

1/11/2023 2:55:00PM

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

**Origins Laboratory, Inc.
 Y301175-01 (Soil)**

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 1.13 | 0.499 | meq/L | 10 | [CALC] | KAP | 01/12/2023 | 01/13/2023 | |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " | |
| Sodium | ND | 0.435 | " | " | " | KAP | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.09 | | pH Units | 1 | B3A1210 | HJD | 01/12/2023 | 01/13/2023 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|-----|---|---------|-----|------------|------------|--|
| SAR | 0.345 | | SAR | 1 | B3A1206 | KAP | 01/12/2023 | 01/13/2023 | |
|-----|-------|--|-----|---|---------|-----|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|
| Specific Conductance (EC) | 0.198 | 0.00500 | mmhos/cm | 1 | B3A1210 | HJD | 01/12/2023 | 01/13/2023 | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1121 - EPA 3580 | | | | | | | | | | |
| Blank (B3A1121-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 01/11/2023 Analyzed: 01/11/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 26 | | " | 24.9 | | 104 | 50-150 | | | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1121 - EPA 3580

LCS (B3A1121-BS1)

Prepared: 01/11/2023 Analyzed: 01/11/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 920 | 50.0 | mg/kg | 1000 | | 92.0 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 950 | 200 | " | 1000 | | 95.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 52 | | " | 49.8 | | 105 | 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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1121 - EPA 3580

| Matrix Spike (B3A1121-MS1) | Source: Y301167-01 | | | Prepared: 01/11/2023 Analyzed: 01/11/2023 | | | | | | |
|-----------------------------------|---------------------------|------|-------|---|----|------|--------|--|--|--|
| Diesel (C10-C28) | 1010 | 50.0 | mg/kg | 1000 | ND | 101 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 987 | 200 | " | 1000 | ND | 98.7 | 70-130 | | | |
| Surrogate: o-Terphenyl | 53 | | " | 49.8 | | 106 | 50-150 | | | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1121 - EPA 3580 | | | | | | | | | | |
| Matrix Spike Dup (B3A1121-MSD1) | | | | | Source: Y301167-01 | | | | | Prepared: 01/11/2023 Analyzed: 01/12/2023 |
| Diesel (C10-C28) | 1000 | 50.0 | mg/kg | 1000 | ND | 100 | 70-130 | 0.691 | 35 | |
| Residual Range Organics (C28-C40) | 982 | 200 | " | 1000 | ND | 98.2 | 70-130 | 0.546 | 35 | |
| Surrogate: o-Terphenyl | 53 | | " | 49.8 | | 107 | 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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1122 - EPA 5030 (soil)

Blank (B3A1122-BLK1)

Prepared: 01/11/2023 Analyzed: 01/11/2023

| | | | | | | | | | | |
|---|-------------|---------|----------|--------------|--|-------------|---------------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.12</i> | | <i>"</i> | <i>0.125</i> | | <i>94.9</i> | <i>70-130</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.13</i> | | <i>"</i> | <i>0.125</i> | | <i>102</i> | <i>70-130</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.12</i> | | <i>"</i> | <i>0.125</i> | | <i>99.1</i> | <i>70-130</i> | | | |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1122 - EPA 5030 (soil)

LCS (B3A1122-BS1)

Prepared: 01/11/2023 Analyzed: 01/11/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0923 | 0.00200 | mg/kg | 0.100 | | 92.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0943 | 0.00200 | " | 0.100 | | 94.3 | 70-130 | | | |
| Benzene | 0.0962 | 0.00200 | " | 0.100 | | 96.2 | 70-130 | | | |
| Ethylbenzene | 0.0952 | 0.00200 | " | 0.100 | | 95.2 | 70-130 | | | |
| Toluene | 0.0955 | 0.00200 | " | 0.100 | | 95.5 | 70-130 | | | |
| o-Xylene | 0.0960 | 0.00200 | " | 0.100 | | 96.0 | 70-130 | | | |
| m,p-Xylene | 0.186 | 0.00400 | " | 0.200 | | 92.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 92.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1122 - EPA 5030 (soil)

| Matrix Spike (B3A1122-MS1) | Source: Y301167-01 | | | Prepared: 01/11/2023 Analyzed: 01/11/2023 | | | | | | |
|---|---------------------------|---------|----------|--|---------|-------------|---------------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0884 | 0.00200 | mg/kg | 0.100 | ND | 88.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0903 | 0.00200 | " | 0.100 | ND | 90.3 | 70-130 | | | |
| Benzene | 0.0945 | 0.00200 | " | 0.100 | ND | 94.5 | 70-130 | | | |
| Ethylbenzene | 0.0910 | 0.00200 | " | 0.100 | ND | 91.0 | 70-130 | | | |
| Toluene | 0.0931 | 0.00200 | " | 0.100 | 0.00112 | 92.0 | 70-130 | | | |
| o-Xylene | 0.0920 | 0.00200 | " | 0.100 | ND | 92.0 | 70-130 | | | |
| m,p-Xylene | 0.178 | 0.00400 | " | 0.200 | 0.00100 | 88.3 | 70-130 | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>0.11</i> | | <i>"</i> | <i>0.125</i> | | <i>91.9</i> | <i>70-130</i> | | | |
| <i>Surrogate: Toluene-d8</i> | <i>0.13</i> | | <i>"</i> | <i>0.125</i> | | <i>100</i> | <i>70-130</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>0.13</i> | | <i>"</i> | <i>0.125</i> | | <i>102</i> | <i>70-130</i> | | | |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1122 - EPA 5030 (soil)

| Matrix Spike Dup (B3A1122-MSD1) | Source: Y301167-01 | | | Prepared: 01/11/2023 Analyzed: 01/11/2023 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|---------|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene | 0.0878 | 0.00200 | mg/kg | 0.100 | ND | 87.8 | 70-130 | 0.681 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0890 | 0.00200 | " | 0.100 | ND | 89.0 | 70-130 | 1.47 | 20 | |
| Benzene | 0.0952 | 0.00200 | " | 0.100 | ND | 95.2 | 70-130 | 0.696 | 20 | |
| Ethylbenzene | 0.0909 | 0.00200 | " | 0.100 | ND | 90.9 | 70-130 | 0.154 | 20 | |
| Toluene | 0.0928 | 0.00200 | " | 0.100 | 0.00112 | 91.7 | 70-130 | 0.301 | 20 | |
| o-Xylene | 0.0918 | 0.00200 | " | 0.100 | ND | 91.8 | 70-130 | 0.239 | 20 | |
| m,p-Xylene | 0.178 | 0.00400 | " | 0.200 | 0.00100 | 88.5 | 70-130 | 0.281 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B3A1206 - Saturated Paste Metals

Blank (B3A1206-BLK1)

Prepared: 01/12/2023 Analyzed: 01/13/2023

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

Duplicate (B3A1206-DUP1)

Source: Y301163-02

Prepared: 01/12/2023 Analyzed: 01/13/2023

| | | | | | | | | | | |
|---------------|------|------|------|--|-------|--|--|------|-----|--|
| SAR | 0.00 | | SAR | | 0.118 | | | 200 | 200 | |
| Calcium PPM | 31.9 | 10.0 | mg/L | | 33.2 | | | 4.18 | 50 | |
| Magnesium PPM | 5.43 | 10.0 | " | | 5.75 | | | 5.83 | 50 | |
| Sodium PPM | 2.72 | 10.0 | " | | 2.80 | | | 2.83 | 50 | |

Batch B3A1207 - DTPA Sorbitol Preparation

Blank (B3A1207-BLK1)

Prepared: 01/12/2023 Analyzed: 01/13/2023

| | | | | | | | | | | |
|-------|----|-------|------|--|--|--|--|--|--|--|
| Boron | ND | 0.100 | mg/L | | | | | | | |
|-------|----|-------|------|--|--|--|--|--|--|--|

Duplicate (B3A1207-DUP1)

Source: Y301159-01

Prepared: 01/12/2023 Analyzed: 01/13/2023

| | | | | | | | | | | |
|-------|-------|--------|------|--|-------|--|--|------|----|--|
| Boron | 0.512 | 0.0991 | mg/L | | 0.526 | | | 2.74 | 50 | |
|-------|-------|--------|------|--|-------|--|--|------|----|--|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Saturated Paste - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|----------|-------------|---|------|-------------|------|-----------|-------|
| Batch B3A1210 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B3A1210-BLK1) | | | | | Prepared: 01/12/2023 Analyzed: 01/13/2023 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B3A1210-DUP1) | | Source: Y301163-02 | | | Prepared: 01/12/2023 Analyzed: 01/13/2023 | | | | | |
| Specific Conductance (EC) | 0.266 | 0.00500 | mmhos/cm | | 0.251 | | | 5.53 | 25 | |
| pH | 7.77 | | pH Units | | 8.02 | | | 3.17 | 25 | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 20, 2023

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Sakata Red W 6-1A

Project Number - [none]

Attached are your analytical results for KMG - Sakata Red W 6-1A received by Origins Laboratory, Inc. January 12, 2023. This project is associated with Origins project number Y301194-01.

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

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| FL-B07@5' | Y301194-01 | Soil | January 12, 2023 14:20 | 01/12/2023 16:34 |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Initial

4301194

page 1 of 1

Client: Eagle Environmental (Oxy)
 Address: 8000 N 44th Ave
 Wheat Ridge, CO 80033
 Telephone Number: 303-433-0479
 Email Address: dcoloccia@eagle-enviro.com

Project Manager: D. Coloccia
 Project Name: Sakata Red W 6-1A
 Project Number: [blank]
 Samples Collected By: AM / MS

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | Analysis | | | | Sample Instructions | | | | |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------|---------------|----------|--------|------|-----|---------------------|-------|-----|-------|--|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | soil | Air Contain # | Other | BTEX/N | TMBS | TPH | | EC/PH | SAP | Boron | |
| FL-B070 5' | 1/12/23 | 1420 | 2 | X | | | | | X | | | | X | X | X | X | X | | Full 915 added per the email from Alexandra on 1/13/23 9p |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |

Relinquished By: [Signature]
 Date: 1/12/23
 Time: 1634

Received By: EKS
 Date: 1/12/23
 Time: 1634

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

Temp Received: 3.0
 Date Results Needed

Origins Laboratory, Inc.

[Signature]

Jen Pellegrini, Project Manager

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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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


Sample Receipt Checklist

Origins Work Order: 430194 Client: Eagle
 Checklist Completed by: EHS/DC Client Project ID: Sakata Red W 6-1A
 Date/time completed: 1/12/13 Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NH

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1, 3.0 °C _____ °C _____ °C (Describe) _____ °C
 Thermometer ID: T804

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

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

 Reviewed by (Project Manager) 01/12/13
Date/Time Reviewed

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B07@5'

1/12/2023 2:20:00PM

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

Origins Laboratory, Inc.
Y301194-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|----|--|--------|------|---|---------|------------|------------|---|
| Boron | ND | | 0.0999 | mg/L | 1 | B3A1304 | 01/13/2023 | 01/16/2023 | U |
|-------|----|--|--------|------|---|---------|------------|------------|---|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B3A1215 | 01/12/2023 | 01/12/2023 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 93.5 % | | 50-150 | | | " | " | " | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----------------|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B3A1219 | 01/12/2023 | 01/12/2023 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Naphthalene | 0.00572 | | 0.00380 | " | " | " | " | " | |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B07@5'

1/12/2023 2:20:00PM

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

Origins Laboratory, Inc.
Y301194-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 92.7 % | | 70-130 | | | B3A12 19 | 01/12/2023 | 01/12/2023 | |
| Surrogate: Toluene-d8 | 100 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 101 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.28 | | 0.499 | meq/L | 10 | [CALC] | 01/13/2023 | 01/16/2023 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 1.77 | | 0.435 | " | " | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------|-----------------|-----------------|---------|-------|---|---------|------------|------------|--|
| 1-Methylnaphthalene | ND | 0.00109 | 0.00201 | mg/Kg | 1 | L658759 | 01/16/2023 | 01/17/2023 | |
| 2-Methylnaphthalene | ND | 0.00194 | 0.00201 | " | " | " | " | " | |
| Acenaphthene | ND | 0.000304 | 0.00067 | " | " | " | " | " | |
| Anthracene | ND | 0.000334 | 0.00067 | " | " | " | " | " | |
| Benzo(a)anthracene | ND | 0.000493 | 0.00067 | " | " | " | " | " | |
| Benzo(a)pyrene | ND | 0.000468 | 0.00067 | " | " | " | " | " | |
| Benzo(b)fluoranthene | ND | 0.000585 | 0.00067 | " | " | " | " | " | |
| Benzo(k)fluoranthene | ND | 0.000437 | 0.00067 | " | " | " | " | " | |
| Chrysene | 0.000691 | 0.000624 | 0.00067 | " | " | " | " | " | |
| Dibenz(a,h)anthracene | ND | 0.000614 | 0.00067 | " | " | " | " | " | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B07@5'

1/12/2023 2:20:00PM

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

Waypoint Analytical, LLC.
Y301194-01 (Soil)

PAH by 8270D SIM

| | | | | | | | | | |
|------------------------|----|----------|---------|-------|---|---------|------------|------------|--|
| Fluoranthene | ND | 0.000394 | 0.00067 | mg/Kg | 1 | L658759 | 01/16/2023 | 01/17/2023 | |
| Fluorene | ND | 0.000286 | 0.00067 | " | " | " | " | " | |
| Indeno(1,2,3-cd)pyrene | ND | 0.000627 | 0.00067 | " | " | " | " | " | |
| Pyrene | ND | 0.000643 | 0.00067 | " | " | " | " | " | |

| | | | | | | | | | |
|-----------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 2-Fluorobiphenyl | 52.7 % | | 33-115 | | | " | " | " | |
| Surrogate: 4-Terphenyl-d14 | 57.8 % | | 33-122 | | | " | " | " | |
| Surrogate: Nitrobenzene-d5 | 54.5 % | | 29-110 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.25 | | | pH Units | 1 | B3A1313 | 01/13/2023 | 01/14/2023 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--|-----|---|---------|------------|------------|--|
| SAR | 1.94 | | | SAR | 1 | B3A1307 | 01/13/2023 | 01/16/2023 | |
|-----|------|--|--|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.381 | | 0.00500 | mmhos/cm | 1 | B3A1313 | 01/13/2023 | 01/14/2023 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 1.31 | | 0.0937 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
|---------|------|--|--------|-------|----|---------|------------|------------|--|

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B07@5'

1/12/2023 2:20:00PM

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

Origins Laboratory, Inc.
Y301194-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-----|--|--------|-------|----|---------|------------|------------|---|
| Barium | 117 | | 9.37 | mg/kg | 10 | B3A1323 | 01/13/2023 | 01/18/2023 | |
| Cadmium | ND | | 0.0937 | " | " | " | " | " | U |
| Copper | ND | | 9.37 | " | " | " | " | " | U |
| Lead | ND | | 9.37 | " | " | " | " | " | U |
| Nickel | ND | | 9.37 | " | " | " | " | " | U |
| Selenium | ND | | 0.0937 | " | " | " | " | " | U |
| Silver | ND | | 0.0937 | " | " | " | " | " | U |
| Zinc | ND | | 93.7 | " | " | " | " | " | U |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.248 | 0.509 | mg/Kg | 1 | L659149 | 01/12/2023 | 01/18/2023 | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1215 - EPA 3580

Blank (B3A1215-BLK1)

Prepared: 01/12/2023 Analyzed: 01/12/2023

| | | | | | | | | | | |
|-----------------------------------|----|------|-------|------|--|------|--------|--|--|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 24 | | " | 24.9 | | 97.3 | 50-150 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1215 - EPA 3580

LCS (B3A1215-BS1)

Prepared: 01/12/2023 Analyzed: 01/12/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 810 | 50.0 | mg/kg | 1000 | | 81.0 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 919 | 200 | " | 1000 | | 91.9 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47 | | " | 49.8 | | 93.6 | 50-150 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1215 - EPA 3580

| Matrix Spike (B3A1215-MS1) | Source: Y301183-01 | | | Prepared: 01/12/2023 Analyzed: 01/12/2023 | | | | | | |
|-----------------------------------|--------------------|------|-------|---|----|------|--------|--|--|--|
| Diesel (C10-C28) | 782 | 50.0 | mg/kg | 1000 | ND | 78.2 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 919 | 200 | " | 1000 | ND | 91.9 | 70-130 | | | |
| Surrogate: o-Terphenyl | 45 | | " | 49.8 | | 91.3 | 50-150 | | | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1215 - EPA 3580

| Matrix Spike Dup (B3A1215-MSD1) | Source: Y301183-01 | | Prepared: 01/12/2023 Analyzed: 01/12/2023 | | | | | | | |
|-----------------------------------|--------------------|------|---|------|----|------|--------|-------|----|--|
| Diesel (C10-C28) | 829 | 50.0 | mg/kg | 1000 | ND | 82.9 | 70-130 | 5.82 | 35 | |
| Residual Range Organics (C28-C40) | 928 | 200 | " | 1000 | ND | 92.8 | 70-130 | 0.989 | 35 | |
| Surrogate: o-Terphenyl | 47 | | " | 49.8 | | 94.3 | 50-150 | | | |

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1219 - EPA 5030 (soil)

Blank (B3A1219-BLK1)

Prepared: 01/12/2023 Analyzed: 01/12/2023

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | 95.6 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | 101 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | 100 | | 70-130 | | | |

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1219 - EPA 5030 (soil)

LCS (B3A1219-BS1)

Prepared: 01/12/2023 Analyzed: 01/12/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0449 | 0.00100 | mg/kg | 0.0500 | | 89.8 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0457 | 0.00100 | " | 0.0500 | | 91.4 | 70-130 | | | |
| Benzene | 0.0481 | 0.00100 | " | 0.0500 | | 96.3 | 70-130 | | | |
| Ethylbenzene | 0.0460 | 0.00100 | " | 0.0500 | | 92.1 | 70-130 | | | |
| Naphthalene | 0.0484 | 0.00190 | " | 0.0500 | | 96.9 | 70-130 | | | |
| Toluene | 0.0470 | 0.00100 | " | 0.0500 | | 94.0 | 70-130 | | | |
| o-Xylene | 0.0468 | 0.00100 | " | 0.0500 | | 93.7 | 70-130 | | | |
| m,p-Xylene | 0.0903 | 0.00200 | " | 0.100 | | 90.3 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.058 | | " | 0.0625 | | 93.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.063 | | " | 0.0625 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.064 | | " | 0.0625 | | 103 | 70-130 | | | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1219 - EPA 5030 (soil)

| Matrix Spike (B3A1219-MS1) | Source: Y301180-01 | | | Prepared: 01/12/2023 Analyzed: 01/12/2023 | | | | | | |
|-----------------------------------|---------------------------|---------|-------|--|---------|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.207 | 0.00200 | mg/kg | 0.100 | 0.121 | 85.5 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.117 | 0.00200 | " | 0.100 | 0.0249 | 92.6 | 70-130 | | | |
| Benzene | 0.107 | 0.00200 | " | 0.100 | 0.00300 | 104 | 70-130 | | | |
| Ethylbenzene | 0.111 | 0.00200 | " | 0.100 | 0.0142 | 96.6 | 70-130 | | | |
| Naphthalene | 0.155 | 0.00380 | " | 0.100 | 0.0551 | 99.7 | 70-130 | | | |
| Toluene | 0.102 | 0.00200 | " | 0.100 | ND | 102 | 70-130 | | | |
| o-Xylene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | | | |
| m,p-Xylene | 0.215 | 0.00400 | " | 0.200 | 0.0262 | 94.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 91.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1219 - EPA 5030 (soil)

| Matrix Spike Dup (B3A1219-MSD1) | Source: Y301180-01 | | | Prepared: 01/12/2023 Analyzed: 01/12/2023 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|---------|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.199 | 0.00200 | mg/kg | 0.100 | 0.121 | 77.5 | 70-130 | 3.98 | 20 | |
| 1,3,5-Trimethylbenzene | 0.109 | 0.00200 | " | 0.100 | 0.0249 | 84.5 | 70-130 | 7.16 | 20 | |
| Benzene | 0.0977 | 0.00200 | " | 0.100 | 0.00300 | 94.7 | 70-130 | 9.00 | 20 | |
| Ethylbenzene | 0.103 | 0.00200 | " | 0.100 | 0.0142 | 88.5 | 70-130 | 7.53 | 20 | |
| Naphthalene | 0.151 | 0.00380 | " | 0.100 | 0.0551 | 96.3 | 70-130 | 2.19 | 20 | |
| Toluene | 0.0923 | 0.00200 | " | 0.100 | ND | 92.3 | 70-130 | 9.81 | 20 | |
| o-Xylene | 0.0927 | 0.00200 | " | 0.100 | ND | 92.7 | 70-130 | 8.21 | 20 | |
| m,p-Xylene | 0.199 | 0.00400 | " | 0.200 | 0.0262 | 86.3 | 70-130 | 8.02 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 94.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

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

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

Batch B3A1323 - EPA 3050B

Blank (B3A1323-BLK1)

Prepared: 01/13/2023 Analyzed: 01/18/2023

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

LCS (B3A1323-BS1)

Prepared: 01/13/2023 Analyzed: 01/18/2023

| | | | | | | | | | | |
|----------|--------|----------|-------|--------|--|------|--------|--|--|--|
| Arsenic | 0.0489 | 0.000100 | mg/kg | 0.0500 | | 97.8 | 80-120 | | | |
| Barium | 5.19 | 0.0100 | " | 5.00 | | 104 | 80-120 | | | |
| Cadmium | 0.0524 | 0.000100 | " | 0.0500 | | 105 | 80-120 | | | |
| Copper | 0.531 | 0.0100 | " | 0.500 | | 106 | 80-120 | | | |
| Lead | 0.0545 | 0.0100 | " | 0.0500 | | 109 | 80-120 | | | |
| Nickel | 0.0531 | 0.0100 | " | 0.0500 | | 106 | 80-120 | | | |
| Selenium | 0.0488 | 0.000100 | " | 0.0500 | | 97.5 | 80-120 | | | |
| Silver | 0.0450 | 0.000100 | " | 0.0500 | | 90.0 | 80-120 | | | |
| Zinc | 0.513 | 0.100 | " | 0.500 | | 103 | 80-120 | | | |

Matrix Spike (B3A1323-MS1)

Source: Y301177-01

Prepared: 01/13/2023 Analyzed: 01/18/2023

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

Batch B3A1323 - EPA 3050B

| Matrix Spike (B3A1323-MS1) | | Source: Y301177-01 | | | Prepared: 01/13/2023 Analyzed: 01/18/2023 | | | | | |
|-----------------------------------|------|---------------------------|-------|------|---|------|--------|--|--|---|
| Arsenic | 6.84 | 0.0906 | mg/kg | 4.53 | 2.41 | 97.9 | 75-125 | | | |
| Barium | 508 | 9.06 | " | 453 | 23.6 | 107 | 75-125 | | | |
| Cadmium | 4.91 | 0.0906 | " | 4.53 | 0.0346 | 108 | 75-125 | | | |
| Copper | 51.1 | 9.06 | " | 45.3 | 0.791 | 111 | 75-125 | | | |
| Lead | 7.59 | 9.06 | " | 4.53 | 2.83 | 105 | 75-125 | | | U |
| Nickel | 6.11 | 9.06 | " | 4.53 | 1.37 | 105 | 75-125 | | | U |
| Selenium | 4.55 | 0.0906 | " | 4.53 | 0.0462 | 99.3 | 75-125 | | | |
| Silver | 4.20 | 0.0906 | " | 4.53 | 0.00192 | 92.6 | 75-125 | | | |
| Zinc | 55.8 | 90.6 | " | 45.3 | ND | 123 | 75-125 | | | U |

| Matrix Spike Dup (B3A1323-MSD1) | | Source: Y301177-01 | | | Prepared: 01/13/2023 Analyzed: 01/18/2023 | | | | | |
|--|------|---------------------------|-------|------|---|------|--------|------|----|---------------|
| Arsenic | 13.2 | 0.0947 | mg/kg | 4.73 | 2.41 | 228 | 75-125 | 63.5 | 20 | QM-07, QR-DUP |
| Barium | 561 | 9.47 | " | 473 | 23.6 | 114 | 75-125 | 9.97 | 20 | |
| Cadmium | 5.52 | 0.0947 | " | 4.73 | 0.0346 | 116 | 75-125 | 11.8 | 20 | |
| Copper | 57.5 | 9.47 | " | 47.3 | 0.791 | 120 | 75-125 | 11.9 | 20 | |
| Lead | 10.4 | 9.47 | " | 4.73 | 2.83 | 160 | 75-125 | 31.4 | 20 | QM-07, QR-DUP |
| Nickel | 7.88 | 9.47 | " | 4.73 | 1.37 | 138 | 75-125 | 25.4 | 20 | QM-07, QR-DUP |
| Selenium | 5.35 | 0.0947 | " | 4.73 | 0.0462 | 112 | 75-125 | 16.2 | 20 | |
| Silver | 4.71 | 0.0947 | " | 4.73 | 0.00192 | 99.4 | 75-125 | 11.4 | 20 | |
| Zinc | 65.5 | 94.7 | " | 47.3 | ND | 138 | 75-125 | 16.1 | 20 | QM-07, U |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B3A1304 - DTPA Sorbitol Preparation

Blank (B3A1304-BLK1)

Prepared: 01/13/2023 Analyzed: 01/16/2023

| | | | | | | | | | | |
|-------|----|-------|------|--|--|--|--|--|--|---|
| Boron | ND | 0.100 | mg/L | | | | | | | U |
|-------|----|-------|------|--|--|--|--|--|--|---|

Duplicate (B3A1304-DUP1)

Source: Y301183-01

Prepared: 01/13/2023 Analyzed: 01/16/2023

| | | | | | | | | | | |
|-------|--------|-------|------|--|--------|--|--|------|----|---|
| Boron | 0.0352 | 0.101 | mg/L | | 0.0226 | | | 43.7 | 50 | U |
|-------|--------|-------|------|--|--------|--|--|------|----|---|

Batch B3A1307 - Saturated Paste Metals

Blank (B3A1307-BLK1)

Prepared: 01/13/2023 Analyzed: 01/16/2023

| | | | | | | | | | | |
|-----|------|--|-----|--|--|--|--|--|--|---|
| SAR | 0.00 | | SAR | | | | | | | U |
|-----|------|--|-----|--|--|--|--|--|--|---|

| | | | | | | | | | | |
|-------------|----|------|------|--|--|--|--|--|--|---|
| Calcium PPM | ND | 10.0 | mg/L | | | | | | | U |
|-------------|----|------|------|--|--|--|--|--|--|---|

| | | | | | | | | | | |
|---------------|----|------|---|--|--|--|--|--|--|---|
| Magnesium PPM | ND | 10.0 | " | | | | | | | U |
|---------------|----|------|---|--|--|--|--|--|--|---|

| | | | | | | | | | | |
|------------|----|------|---|--|--|--|--|--|--|---|
| Sodium PPM | ND | 10.0 | " | | | | | | | U |
|------------|----|------|---|--|--|--|--|--|--|---|

Duplicate (B3A1307-DUP1)

Source: Y301183-01

Prepared: 01/13/2023 Analyzed: 01/16/2023

| | | | | | | | | | | |
|-------------|------|------|------|--|------|--|--|------|----|--|
| Calcium PPM | 96.9 | 10.0 | mg/L | | 94.9 | | | 2.10 | 50 | |
|-------------|------|------|------|--|------|--|--|------|----|--|

| | | | | | | | | | | |
|-----|------|--|-----|--|------|--|--|-----|-----|---|
| SAR | 0.00 | | SAR | | 2.69 | | | 200 | 200 | U |
|-----|------|--|-----|--|------|--|--|-----|-----|---|

| | | | | | | | | | | |
|---------------|------|------|------|--|------|--|--|------|----|--|
| Magnesium PPM | 30.7 | 10.0 | mg/L | | 30.3 | | | 1.53 | 50 | |
|---------------|------|------|------|--|------|--|--|------|----|--|

| | | | | | | | | | | |
|------------|-----|------|---|--|-----|--|--|------|----|--|
| Sodium PPM | 123 | 10.0 | " | | 118 | | | 4.30 | 50 | |
|------------|-----|------|---|--|-----|--|--|------|----|--|

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Saturated Paste - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|----------|-------------|--|------|-------------|------|-----------|-------|
| Batch B3A1313 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B3A1313-BLK1) | | | | | Prepared: 01/13/2023 Analyzed: 01/14/2023 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | U |
| Duplicate (B3A1313-DUP1) | | | | | Source: Y301183-01 Prepared: 01/13/2023 Analyzed: 01/14/2023 | | | | | |
| Specific Conductance (EC) | 1.25 | 0.00500 | mmhos/cm | | 1.36 | | | 8.19 | 25 | |
| pH | 7.91 | | pH Units | | 8.00 | | | 1.13 | 25 | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

Batch L658759 - 3550B

| MSD (L 93507-MSD-L658759) | Source: 93507 | | | Prepared: 01/16/2023 Analyzed: 01/17/2023 | | | | | | |
|----------------------------------|----------------------|---------|-------|--|-----------|------|--------|------|----|--|
| Dibenz(a,h)anthracene | 0.122 | 0.00067 | mg/Kg | 0.164 | 0.00128 | 73.6 | 30-130 | 1.6 | 30 | |
| Pyrene | 0.0937 | 0.00067 | " | 0.164 | <0.000643 | 57.1 | 30-130 | 3.8 | 30 | |
| Indeno(1,2,3-cd)pyrene | 0.112 | 0.00067 | " | 0.164 | <0.000627 | 68.2 | 30-130 | 11.3 | 30 | |
| 1-Methylnaphthalene | 0.0795 | 0.00201 | " | 0.164 | <0.00109 | 48.4 | 30-130 | 10 | 30 | |
| Fluorene | 0.095 | 0.00067 | " | 0.164 | <0.000286 | 57.9 | 30-130 | 4.5 | 30 | |
| 2-Methylnaphthalene | 0.0809 | 0.00201 | " | 0.164 | <0.00194 | 49.3 | 30-130 | 9.1 | 30 | |
| Acenaphthene | 0.0881 | 0.00067 | " | 0.164 | <0.000304 | 53.7 | 30-130 | 6.3 | 30 | |
| Anthracene | 0.0976 | 0.00067 | " | 0.164 | <0.000334 | 59.5 | 30-130 | 7.3 | 30 | |
| Benzo(a)anthracene | 0.0924 | 0.00067 | " | 0.164 | <0.000493 | 56.3 | 30-130 | 2.8 | 30 | |
| Benzo(b)fluoranthene | 0.0978 | 0.00067 | " | 0.164 | <0.000585 | 59.6 | 30-130 | 7.1 | 30 | |
| Benzo(k)fluoranthene | 0.0811 | 0.00067 | " | 0.164 | <0.000437 | 49.4 | 30-130 | 4.1 | 30 | |
| Chrysene | 0.106 | 0.00067 | " | 0.164 | <0.000624 | 64.6 | 30-130 | 5.5 | 30 | |
| Fluoranthene | 0.0974 | 0.00067 | " | 0.164 | <0.000394 | 59.3 | 30-130 | 4.6 | 30 | |
| Benzo(a)pyrene | 0.101 | 0.00067 | " | 0.164 | <0.000468 | 61.5 | 30-130 | 4.8 | 30 | |
| Surrogate: Nitrobenzene-d5 | 49.8 | | " | 0.329 | 167 | 49.8 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 54.7 | | " | 0.329 | 189 | 54.7 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 46.8 | | " | 0.329 | 160 | 46.8 | 33-115 | | | |

| MS (L 93507-MS-L658759) | Source: 93507 | | | Prepared: 01/16/2023 Analyzed: 01/17/2023 | | | | | | |
|--------------------------------|----------------------|---------|-------|--|-----------|------|--------|--|--|--|
| Indeno(1,2,3-cd)pyrene | 0.1 | 0.00067 | mg/Kg | 0.166 | <0.000627 | 60.2 | 30-130 | | | |
| Pyrene | 0.0974 | 0.00067 | " | 0.166 | <0.000643 | 58.6 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.0845 | 0.00067 | " | 0.166 | <0.000437 | 50.9 | 30-130 | | | |
| Chrysene | 0.112 | 0.00067 | " | 0.166 | <0.000624 | 67.4 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.12 | 0.00067 | " | 0.166 | 0.00128 | 71.5 | 30-130 | | | |
| Fluorene | 0.0994 | 0.00067 | " | 0.166 | <0.000286 | 59.8 | 30-130 | | | |
| Acenaphthene | 0.0939 | 0.00067 | " | 0.166 | <0.000304 | 56.5 | 30-130 | | | |
| Benzo(b)fluoranthene | 0.105 | 0.00067 | " | 0.166 | <0.000585 | 63.2 | 30-130 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

Batch L658759 - 3550B

| MS (L 93507-MS-L658759) | | Source: 93507 | | | Prepared: 01/16/2023 Analyzed: 01/17/2023 | | | | | |
|--------------------------------|--------|----------------------|-------|-------|---|------|--------|--|--|--|
| Fluoranthene | 0.102 | 0.00067 | mg/Kg | 0.166 | <0.000394 | 61.4 | 30-130 | | | |
| Benzo(a)anthracene | 0.0951 | 0.00067 | " | 0.166 | <0.000493 | 57.2 | 30-130 | | | |
| Anthracene | 0.105 | 0.00067 | " | 0.166 | <0.000334 | 63.2 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0887 | 0.00201 | " | 0.166 | <0.00194 | 53.4 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0879 | 0.00201 | " | 0.166 | <0.00109 | 52.9 | 30-130 | | | |
| Benzo(a)pyrene | 0.106 | 0.00067 | " | 0.166 | <0.000468 | 63.8 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 52.5 | | " | 0.331 | 167 | 52.5 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 55.5 | | " | 0.331 | 189 | 55.5 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 50.1 | | " | 0.331 | 160 | 50.1 | 33-115 | | | |

| LCS (LCS-L658759) | | | | | Prepared: 01/16/2023 Analyzed: 01/17/2023 | | | | | |
|----------------------------|--------|---------|-------|-------|---|------|--------|--|--|--|
| Benzo(b)fluoranthene | 0.105 | 0.00067 | mg/Kg | 0.167 | | 62.8 | 30-130 | | | |
| Benzo(k)fluoranthene | 0.0939 | 0.00067 | " | 0.167 | | 56.2 | 30-130 | | | |
| Chrysene | 0.113 | 0.00067 | " | 0.167 | | 67.6 | 30-130 | | | |
| Fluoranthene | 0.107 | 0.00067 | " | 0.167 | | 64 | 30-130 | | | |
| Benzo(a)pyrene | 0.109 | 0.00067 | " | 0.167 | | 65.2 | 30-130 | | | |
| Dibenz(a,h)anthracene | 0.125 | 0.00067 | " | 0.167 | | 74.8 | 30-130 | | | |
| Pyrene | 0.104 | 0.00067 | " | 0.167 | | 62.2 | 30-130 | | | |
| Indeno(1,2,3-cd)pyrene | 0.101 | 0.00067 | " | 0.167 | | 60.4 | 30-130 | | | |
| Anthracene | 0.113 | 0.00067 | " | 0.167 | | 67.6 | 30-130 | | | |
| Acenaphthene | 0.0964 | 0.00067 | " | 0.167 | | 57.7 | 30-130 | | | |
| 2-Methylnaphthalene | 0.0895 | 0.00201 | " | 0.167 | | 53.5 | 30-130 | | | |
| 1-Methylnaphthalene | 0.0896 | 0.00201 | " | 0.167 | | 53.6 | 30-130 | | | |
| Fluorene | 0.101 | 0.00067 | " | 0.167 | | 60.4 | 30-130 | | | |
| Benzo(a)anthracene | 0.0982 | 0.00067 | " | 0.167 | | 58.8 | 30-130 | | | |
| Surrogate: Nitrobenzene-d5 | 55.5 | | " | 0.333 | | 55.5 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 63.6 | | " | 0.333 | | 63.6 | 33-122 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

Batch L658759 - 3550B

LCS (LCS-L658759)

Prepared: 01/16/2023 Analyzed: 01/17/2023

| | | | | | | | | | | |
|-----------------------------|------|--|-------|-------|--|------|--------|--|--|--|
| Surrogate: 2-Fluorobiphenyl | 54.9 | | mg/Kg | 0.333 | | 54.9 | 33-115 | | | |
|-----------------------------|------|--|-------|-------|--|------|--------|--|--|--|

LRB (LRB-L658759)

Prepared: 01/16/2023 Analyzed: 01/17/2023

| | | | | | | | | | | |
|-----------------------------|------|---------|-------|-------|--|------|--------|--|--|--|
| Indeno(1,2,3-cd)pyrene | ND | 0.00067 | mg/Kg | | | | - | | | |
| Benzo(b)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(k)fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Chrysene | ND | 0.00067 | " | | | | - | | | |
| Dibenz(a,h)anthracene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)pyrene | ND | 0.00067 | " | | | | - | | | |
| Fluorene | ND | 0.00067 | " | | | | - | | | |
| Fluoranthene | ND | 0.00067 | " | | | | - | | | |
| Benzo(a)anthracene | ND | 0.00067 | " | | | | - | | | |
| Anthracene | ND | 0.00067 | " | | | | - | | | |
| Acenaphthene | ND | 0.00067 | " | | | | - | | | |
| 2-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| 1-Methylnaphthalene | ND | 0.00201 | " | | | | - | | | |
| Pyrene | ND | 0.00067 | " | | | | - | | | |
| Surrogate: 2-Fluorobiphenyl | 57.9 | | " | 0.333 | | 57.9 | 33-115 | | | |
| Surrogate: Nitrobenzene-d5 | 63.3 | | " | 0.333 | | 63.3 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 63.9 | | " | 0.333 | | 63.9 | 33-122 | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 L659149 - | | | | | | | | | | |
| DUP (L 93495-DUP) | | Source: Y301194-01 | | | Prepared: Analyzed: 01/18/2023 | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | <0.500 | | - | 0 | 20 | |
| MS (L 93495-MS) | | Source: Y301194-01 | | | Prepared: Analyzed: 01/18/2023 | | | | | |
| Chromium, Hexavalent | 38.9 | 2.5 | mg/Kg | 38.7 | < 0.248 | 101 | 75-125 | | | |
| LCS (LCS) | | Prepared: Analyzed: 01/18/2023 | | | | | | | | |
| Chromium, Hexavalent | 6.85 | 0.5 | mg/Kg | 8 | | 86 | 75-125 | | | |
| LRB (LRB) | | Prepared: Analyzed: 01/18/2023 | | | | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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



January 23, 2023

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Sakata Red W 6-1A

Project Number - [none]

Attached are your analytical results for KMG - Sakata Red W 6-1A received by Origins Laboratory, Inc. January 13, 2023. This project is associated with Origins project number Y301240-01.

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

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| FL-B15@5' | Y301240-01 | Soil | January 13, 2023 14:04 | 01/13/2023 16:01 |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4301240 Client: Eagle
 Client Project ID: Sakata Red W6-1A
 Checklist Completed by: EHS/OIE Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 11/13/23 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 13.3 °C / _____ °C / _____ °C / _____ °C
 Thermometer ID: T004

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

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

DE Reviewed by (Project Manager) 01/13/23 Date/Time Reviewed

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B15@5'

1/13/2023 2:04:00PM

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

Origins Laboratory, Inc.
Y301240-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|
| Boron | 0.301 | 0.100 | mg/L | 1 | B3A1401 | KAP | 01/14/2023 | 01/17/2023 | |
|-------|-------|-------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B3A1301 | ADM | 01/14/2023 | 01/14/2023 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ADM | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: o-Terphenyl | 90.1 % | 50-150 | | | " | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B3A1332 | ZZZ | 01/13/2023 | 01/13/2023 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Naphthalene | ND | 0.00380 | " | " | " | ZZZ | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | ZZZ | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|----------------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 95.4 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 100 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B15@5'

1/13/2023 2:04:00PM

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

**Origins Laboratory, Inc.
 Y301240-01 (Soil)**

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 2.00 | 0.499 | meq/L | 10 | [CALC] | KAP | 01/14/2023 | 01/17/2023 | |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " | |
| Sodium | 2.83 | 0.435 | " | " | " | KAP | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 7.99 | | pH Units | 1 | B3A1409 | HJD | 01/14/2023 | 01/17/2023 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|
| SAR | 2.44 | | SAR | 1 | B3A1405 | KAP | 01/14/2023 | 01/17/2023 | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|
| Specific Conductance (EC) | 0.689 | 0.00500 | mmhos/cm | 1 | B3A1409 | HJD | 01/14/2023 | 01/17/2023 | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1301 - EPA 3580 | | | | | | | | | | |
| Blank (B3A1301-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 01/13/2023 Analyzed: 01/13/2023 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 23 | | " | 24.9 | | 93.4 | 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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1301 - EPA 3580

LCS (B3A1301-BS1)

Prepared: 01/13/2023 Analyzed: 01/13/2023

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 931 | 50.0 | mg/kg | 1000 | | 93.1 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 963 | 200 | " | 1000 | | 96.3 | 70-130 | | | |
| Surrogate: o-Terphenyl | 47 | | " | 49.8 | | 93.7 | 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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1301 - EPA 3580

| Matrix Spike (B3A1301-MS1) | Source: Y301204-01 | | | Prepared: 01/13/2023 Analyzed: 01/13/2023 | | | | | | |
|-----------------------------------|---------------------------|------|-------|---|----|------|--------|--|--|--|
| Diesel (C10-C28) | 920 | 50.0 | mg/kg | 1000 | ND | 92.0 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 959 | 200 | " | 1000 | ND | 95.9 | 70-130 | | | |
| Surrogate: o-Terphenyl | 42 | | " | 49.8 | | 85.1 | 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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1301 - EPA 3580

| Matrix Spike Dup (B3A1301-MSD1) | Source: Y301204-01 | | Prepared: 01/13/2023 Analyzed: 01/13/2023 | | | | | | | |
|--|---------------------------|------|--|------|----|------|--------|------|----|--|
| Diesel (C10-C28) | 875 | 50.0 | mg/kg | 1000 | ND | 87.5 | 70-130 | 5.02 | 35 | |
| Residual Range Organics (C28-C40) | 911 | 200 | " | 1000 | ND | 91.1 | 70-130 | 5.04 | 35 | |
| Surrogate: o-Terphenyl | 40 | | " | 49.8 | | 79.7 | 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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1332 - EPA 5030 (soil)

Blank (B3A1332-BLK1)

Prepared: 01/13/2023 Analyzed: 01/13/2023

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|--|------|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 93.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1332 - EPA 5030 (soil)

LCS (B3A1332-BS1)

Prepared: 01/13/2023 Analyzed: 01/13/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0858 | 0.00200 | mg/kg | 0.100 | | 85.8 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0875 | 0.00200 | " | 0.100 | | 87.5 | 70-130 | | | |
| Benzene | 0.0925 | 0.00200 | " | 0.100 | | 92.5 | 70-130 | | | |
| Ethylbenzene | 0.0883 | 0.00200 | " | 0.100 | | 88.3 | 70-130 | | | |
| Naphthalene | 0.0903 | 0.00380 | " | 0.100 | | 90.3 | 70-130 | | | |
| Toluene | 0.0917 | 0.00200 | " | 0.100 | | 91.7 | 70-130 | | | |
| o-Xylene | 0.0886 | 0.00200 | " | 0.100 | | 88.6 | 70-130 | | | |
| m,p-Xylene | 0.174 | 0.00400 | " | 0.200 | | 87.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 91.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3A1332 - EPA 5030 (soil)

LCS Dup (B3A1332-BSD1)

Prepared: 01/13/2023 Analyzed: 01/13/2023

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0907 | 0.00200 | mg/kg | 0.100 | | 90.7 | 70-130 | 5.53 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0921 | 0.00200 | " | 0.100 | | 92.1 | 70-130 | 5.08 | 20 | |
| Benzene | 0.0979 | 0.00200 | " | 0.100 | | 97.9 | 70-130 | 5.67 | 20 | |
| Ethylbenzene | 0.0924 | 0.00200 | " | 0.100 | | 92.4 | 70-130 | 4.47 | 20 | |
| Naphthalene | 0.0982 | 0.00380 | " | 0.100 | | 98.2 | 70-130 | 8.42 | 20 | |
| Toluene | 0.0970 | 0.00200 | " | 0.100 | | 97.0 | 70-130 | 5.55 | 20 | |
| o-Xylene | 0.0933 | 0.00200 | " | 0.100 | | 93.3 | 70-130 | 5.17 | 20 | |
| m,p-Xylene | 0.181 | 0.00400 | " | 0.200 | | 90.4 | 70-130 | 3.78 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 90.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B3A1401 - DTPA Sorbitol Preparation

Blank (B3A1401-BLK1)

Prepared: 01/14/2023 Analyzed: 01/17/2023

Boron ND 0.100 mg/L

Duplicate (B3A1401-DUP1)

Source: Y301212-03

Prepared: 01/14/2023 Analyzed: 01/17/2023

Boron 2.73 0.0996 mg/L 2.33 16.0 50

Batch B3A1405 - Saturated Paste Metals

Blank (B3A1405-BLK1)

Prepared: 01/14/2023 Analyzed: 01/17/2023

Calcium PPM ND 10.0 mg/L

SAR 0.00 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

Duplicate (B3A1405-DUP1)

Source: Y301237-01

Prepared: 01/14/2023 Analyzed: 01/17/2023

Calcium PPM 29.0 10.0 mg/L 41.1 34.6 50

SAR 0.00 SAR 1.61 200 200

Magnesium PPM 11.1 10.0 mg/L 15.5 33.4 50

Sodium PPM 33.9 10.0 " 47.7 33.9 50

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Saturated Paste - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|---------------------------|----------|-------------|---|------|-------------|------|-----------|--------|
| Batch B3A1409 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B3A1409-BLK1) | | | | | Prepared: 01/14/2023 Analyzed: 01/17/2023 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B3A1409-DUP1) | | Source: Y301210-01 | | | Prepared: 01/14/2023 Analyzed: 01/17/2023 | | | | | |
| Specific Conductance (EC) | 0.634 | 0.00500 | mmhos/cm | | 0.459 | | | 31.9 | 25 | QR-DUP |
| pH | 7.97 | | pH Units | | 8.37 | | | 4.90 | 25 | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



February 09, 2023

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - Sakata Red W 6-1A

Project Number - [none]

Attached are your analytical results for KMG - Sakata Red W 6-1A received by Origins Laboratory, Inc. February 03, 2023. This project is associated with Origins project number Y302071-01.

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

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| FL-B07@8' | Y302071-01 | Soil | February 3, 2023 10:24 | 02/03/2023 16:20 |
| FL-N01@5' | Y302071-02 | Soil | February 3, 2023 10:26 | 02/03/2023 16:20 |
| FL-S01@5' | Y302071-03 | Soil | February 3, 2023 10:28 | 02/03/2023 16:20 |
| FL-E01@5' | Y302071-04 | Soil | February 3, 2023 10:30 | 02/03/2023 16:20 |
| FL-W01@5' | Y302071-05 | Soil | February 3, 2023 10:33 | 02/03/2023 16:20 |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4302071

Client: Eagle

Client Project ID: Sakata Red W 6-1A

Checklist Completed by: EHS/DC

Shipped Via: HD

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

Date/time completed: 2/13/13

Airbill #: NA

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

Cooler Number/Temperature: 1 / 3.6°C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: TOOT

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

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

DC
 Reviewed by (Project Manager)

02/22/2013
 Date/Time Reviewed

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-B07@8'

2/3/2023 10:24:00AM

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

Origins Laboratory, Inc.
Y302071-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|---|---------|-----|------------|------------|---|
| Naphthalene | ND | 3.80 | ug/kg | 1 | B3B0327 | ZZZ | 02/03/2023 | 02/04/2023 | U |
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 96.4 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 94.7 % | 70-130 | | | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.37 | | pH Units | 1 | B3B0612 | HJD | 02/06/2023 | 02/07/2023 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|-------|--------|-------|----|---------|-----|------------|------------|--|
| Arsenic | 0.433 | 0.0965 | mg/kg | 10 | B3B0328 | CNG | 02/03/2023 | 02/03/2023 | |
| Barium | 10.3 | 9.65 | " | " | " | CNG | " | " | |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-N01@5'

2/3/2023 10:26:00AM

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

Origins Laboratory, Inc.
 Y302071-02 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|---|---------|-----|------------|------------|---|
| Naphthalene | ND | 3.80 | ug/kg | 1 | B3B0327 | ZZZ | 02/03/2023 | 02/04/2023 | U |
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 99.1 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 96.5 % | 70-130 | | | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.07 | | pH Units | 1 | B3B0612 | HJD | 02/06/2023 | 02/07/2023 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--------|-------|----|---------|-----|------------|------------|--|
| Arsenic | 1.47 | 0.0983 | mg/kg | 10 | B3B0328 | CNG | 02/03/2023 | 02/03/2023 | |
| Barium | ND | 9.83 | " | " | " | CNG | " | " | |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-S01@5'

2/3/2023 10:28:00AM

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

Origins Laboratory, Inc.
Y302071-03 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|---|---------|-----|------------|------------|---|
| Naphthalene | ND | 3.80 | ug/kg | 1 | B3B0327 | ZZZ | 02/03/2023 | 02/04/2023 | U |
| Surrogate: 1,2-Dichloroethane-d4 | 100 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 96.8 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 93.9 % | 70-130 | | | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 7.99 | | pH Units | 1 | B3B0612 | HJD | 02/06/2023 | 02/07/2023 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--------|-------|----|---------|-----|------------|------------|--|
| Arsenic | 1.05 | 0.0878 | mg/kg | 10 | B3B0328 | CNG | 02/03/2023 | 02/03/2023 | |
| Barium | 18.6 | 8.78 | " | " | " | CNG | " | " | |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-E01@5'

2/3/2023 10:30:00AM

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

Origins Laboratory, Inc.
 Y302071-04 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|---|---------|-----|------------|------------|---|
| Naphthalene | ND | 3.80 | ug/kg | 1 | B3B0327 | ZZZ | 02/03/2023 | 02/04/2023 | U |
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 96.4 % | 70-130 | | | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.08 | | pH Units | 1 | B3B0612 | HJD | 02/06/2023 | 02/07/2023 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--------|-------|----|---------|-----|------------|------------|--|
| Arsenic | 1.24 | 0.0954 | mg/kg | 10 | B3B0328 | CNG | 02/03/2023 | 02/03/2023 | |
| Barium | 44.1 | 9.54 | " | " | " | CNG | " | " | |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

FL-W01@5'
2/3/2023 10:33:00AM

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

Origins Laboratory, Inc.
Y302071-05 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--------|-------|---|---------|-----|------------|------------|---|
| Naphthalene | ND | 3.80 | ug/kg | 1 | B3B0327 | ZZZ | 02/03/2023 | 02/04/2023 | U |
| Surrogate: 1,2-Dichloroethane-d4 | 111 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 92.7 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 94.6 % | 70-130 | | | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 7.97 | | pH Units | 1 | B3B0612 | HJD | 02/06/2023 | 02/07/2023 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--------|-------|----|---------|-----|------------|------------|--|
| Arsenic | 1.99 | 0.0905 | mg/kg | 10 | B3B0328 | CNG | 02/03/2023 | 02/03/2023 | |
| Barium | 71.3 | 9.05 | " | " | " | CNG | " | " | |

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.

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3B0327 - EPA 5030 (soil)

Blank (B3B0327-BLK1)

Prepared: 02/03/2023 Analyzed: 02/03/2023

| | | | | | | | | | | |
|----------------------------------|-----|------|-------|-----|------|--|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 2.00 | ug/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 2.00 | " | | | | | | | U |
| Benzene | ND | 2.00 | " | | | | | | | U |
| Ethylbenzene | ND | 2.00 | " | | | | | | | U |
| Naphthalene | ND | 3.80 | " | | | | | | | U |
| Toluene | ND | 2.00 | " | | | | | | | U |
| Xylenes, total | ND | 2.00 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 130 | | " | 125 | 104 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 120 | | " | 125 | 95.4 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 120 | | " | 125 | 98.2 | | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3B0327 - EPA 5030 (soil)

LCS (B3B0327-BS1)

Prepared: 02/03/2023 Analyzed: 02/03/2023

| | | | | | | | | | | |
|----------------------------------|------|------|-------|-----|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 88.0 | 2.00 | ug/kg | 100 | | 88.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 89.3 | 2.00 | " | 100 | | 89.3 | 70-130 | | | |
| Benzene | 93.8 | 2.00 | " | 100 | | 93.8 | 70-130 | | | |
| Ethylbenzene | 91.9 | 2.00 | " | 100 | | 91.9 | 70-130 | | | |
| Naphthalene | 101 | 3.80 | " | 100 | | 101 | 70-130 | | | |
| Toluene | 92.4 | 2.00 | " | 100 | | 92.4 | 70-130 | | | |
| o-Xylene | 88.1 | 2.00 | " | 100 | | 88.1 | 70-130 | | | |
| m,p-Xylene | 181 | 4.00 | " | 200 | | 90.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 130 | | " | 125 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 120 | | " | 125 | | 96.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 120 | | " | 125 | | 92.2 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3B0327 - EPA 5030 (soil)

| Matrix Spike (B3B0327-MS1) | Source: Y302054-01 | | | Prepared: 02/03/2023 Analyzed: 02/03/2023 | | | | | | |
|-----------------------------------|---------------------------|------|-------|--|------|------|--------|--|--|-------|
| 1,2,4-Trimethylbenzene | 486 | 2.00 | ug/kg | 100 | 348 | 138 | 70-130 | | | QM-07 |
| 1,3,5-Trimethylbenzene | 188 | 2.00 | " | 100 | 96.1 | 91.8 | 70-130 | | | |
| Benzene | 98.7 | 2.00 | " | 100 | 17.0 | 81.7 | 70-130 | | | |
| Ethylbenzene | 185 | 2.00 | " | 100 | 98.3 | 86.6 | 70-130 | | | |
| Naphthalene | 197 | 3.80 | " | 100 | 98.8 | 97.8 | 70-130 | | | |
| Toluene | 391 | 2.00 | " | 100 | 296 | 94.7 | 70-130 | | | |
| o-Xylene | 336 | 2.00 | " | 100 | 236 | 99.9 | 70-130 | | | |
| m,p-Xylene | 808 | 4.00 | " | 200 | 617 | 96.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 130 | | " | 125 | | 103 | 70-130 | | | |
| Surrogate: Toluene-d8 | 140 | | " | 125 | | 111 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 120 | | " | 125 | | 94.8 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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 B3B0327 - EPA 5030 (soil)

| Matrix Spike Dup (B3B0327-MSD1) | Source: Y302054-01 | | | Prepared: 02/03/2023 Analyzed: 02/03/2023 | | | | | | |
|--|---------------------------|------|-------|--|------|------|--------|------|----|-------|
| 1,2,4-Trimethylbenzene | 552 | 2.00 | ug/kg | 100 | 348 | 204 | 70-130 | 12.7 | 20 | QM-07 |
| 1,3,5-Trimethylbenzene | 201 | 2.00 | " | 100 | 96.1 | 105 | 70-130 | 6.94 | 20 | |
| Benzene | 89.3 | 2.00 | " | 100 | 17.0 | 72.3 | 70-130 | 10.0 | 20 | |
| Ethylbenzene | 195 | 2.00 | " | 100 | 98.3 | 96.9 | 70-130 | 5.40 | 20 | |
| Naphthalene | 244 | 3.80 | " | 100 | 98.8 | 145 | 70-130 | 21.4 | 20 | QM-07 |
| Toluene | 373 | 2.00 | " | 100 | 296 | 76.9 | 70-130 | 4.66 | 20 | |
| o-Xylene | 385 | 2.00 | " | 100 | 236 | 149 | 70-130 | 13.6 | 20 | QM-07 |
| m,p-Xylene | 889 | 4.00 | " | 200 | 617 | 136 | 70-130 | 9.53 | 20 | QM-07 |
| Surrogate: 1,2-Dichloroethane-d4 | 130 | | " | 125 | | 106 | 70-130 | | | |
| Surrogate: Toluene-d8 | 140 | | " | 125 | | 112 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 110 | | " | 125 | | 91.5 | 70-130 | | | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

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

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

Batch B3B0328 - EPA 3050B

Blank (B3B0328-BLK1)

Prepared: 02/03/2023 Analyzed: 02/03/2023

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

LCS (B3B0328-BS1)

Prepared: 02/03/2023 Analyzed: 02/03/2023

| | | | | | | | | | | |
|----------|--------|----------|-------|--------|--|-----|--------|--|--|--|
| Arsenic | 0.0596 | 0.000100 | mg/kg | 0.0500 | | 119 | 80-120 | | | |
| Barium | 5.88 | 0.0100 | " | 5.00 | | 118 | 80-120 | | | |
| Cadmium | 0.0599 | 0.000100 | " | 0.0500 | | 120 | 80-120 | | | |
| Copper | 0.592 | 0.0100 | " | 0.500 | | 118 | 80-120 | | | |
| Lead | 0.0584 | 0.0100 | " | 0.0500 | | 117 | 80-120 | | | |
| Nickel | 0.0778 | 0.0100 | " | 0.0500 | | 156 | 80-120 | | | |
| Selenium | 0.0560 | 0.000100 | " | 0.0500 | | 112 | 80-120 | | | |
| Silver | 0.0566 | 0.000100 | " | 0.0500 | | 113 | 80-120 | | | |
| Zinc | 0.574 | 0.100 | " | 0.500 | | 115 | 80-120 | | | |

Matrix Spike (B3B0328-MS1)

Source: Y302071-01

Prepared: 02/03/2023 Analyzed: 02/03/2023

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

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

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

Batch B3B0328 - EPA 3050B

| Matrix Spike (B3B0328-MS1) | | Source: Y302071-01 | | | Prepared: 02/03/2023 Analyzed: 02/03/2023 | | | | | |
|-----------------------------------|------|---------------------------|-------|------|---|------|--------|--|--|--|
| Arsenic | 4.89 | 0.0897 | mg/kg | 4.48 | 0.433 | 99.5 | 75-125 | | | |
| Barium | 512 | 8.97 | " | 448 | 10.3 | 112 | 75-125 | | | |
| Cadmium | 5.24 | 0.0897 | " | 4.48 | 0.0232 | 116 | 75-125 | | | |
| Copper | 52.6 | 8.97 | " | 44.8 | 1.64 | 114 | 75-125 | | | |
| Lead | 7.98 | 8.97 | " | 4.48 | 2.62 | 119 | 75-125 | | | |
| Nickel | 6.58 | 8.97 | " | 4.48 | 1.34 | 117 | 75-125 | | | |
| Selenium | 4.99 | 0.0897 | " | 4.48 | ND | 111 | 75-125 | | | |
| Silver | 4.99 | 0.0897 | " | 4.48 | 0.0126 | 111 | 75-125 | | | |
| Zinc | 61.8 | 89.7 | " | 44.8 | 9.60 | 116 | 75-125 | | | |

| Matrix Spike Dup (B3B0328-MSD1) | | Source: Y302071-01 | | | Prepared: 02/03/2023 Analyzed: 02/03/2023 | | | | | |
|--|------|---------------------------|-------|------|---|-----|--------|------|----|-------|
| Arsenic | 5.33 | 0.0966 | mg/kg | 4.83 | 0.433 | 101 | 75-125 | 8.57 | 20 | |
| Barium | 543 | 9.66 | " | 483 | 10.3 | 110 | 75-125 | 5.88 | 20 | |
| Cadmium | 5.68 | 0.0966 | " | 4.83 | 0.0232 | 117 | 75-125 | 7.93 | 20 | |
| Copper | 57.0 | 9.66 | " | 48.3 | 1.64 | 115 | 75-125 | 7.88 | 20 | |
| Lead | 9.31 | 9.66 | " | 4.83 | 2.62 | 138 | 75-125 | 15.3 | 20 | QM-07 |
| Nickel | 7.68 | 9.66 | " | 4.83 | 1.34 | 131 | 75-125 | 15.5 | 20 | |
| Selenium | 5.55 | 0.0966 | " | 4.83 | ND | 115 | 75-125 | 10.5 | 20 | |
| Silver | 5.33 | 0.0966 | " | 4.83 | 0.0126 | 110 | 75-125 | 6.72 | 20 | |
| Zinc | 68.9 | 96.6 | " | 48.3 | 9.60 | 123 | 75-125 | 10.9 | 20 | |

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: [none]
 Project: KMG - Sakata Red W 6-1A

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B3B0612 - Saturated Paste pH/EC

Duplicate (B3B0612-DUP1)

Source: Y302071-01

Prepared: 02/06/2023 Analyzed: 02/07/2023

| | | | | | | | | | | |
|----|------|--|----------|--|------|--|--|-------|----|--|
| pH | 8.42 | | pH Units | | 8.37 | | | 0.596 | 25 | |
|----|------|--|----------|--|------|--|--|-------|----|--|

Origins Laboratory, Inc.



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

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: [none]
Project: KMG - Sakata Red W 6-1A

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.

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.



November 03, 2022

Eagle Environmental Consulting, Inc.

Dan Coloccia

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - KMG - UPRC FED 31-7K

Project Number - -

Attached are your analytical results for KMG - UPRC FED 31-7K received by Origins Laboratory, Inc. October 24, 2022. This project is associated with Origins project number Y210561-01.

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

Eagle Environmental Consulting, Inc.
8000 W 44th Ave
Wheat Ridge CO 80033

Dan Coloccia
Project Number: -
Project: KMG - UPRC FED 31-7K

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|------------------------|------------------|
| WH-B01@6' | Y210561-01 | Soil | October 24, 2022 15:15 | 10/24/2022 17:44 |
| FL-B01@4' | Y210561-02 | Soil | October 24, 2022 15:17 | 10/24/2022 17:44 |
| WH-BG01@3' | Y210561-03 | Soil | October 24, 2022 14:55 | 10/24/2022 17:44 |
| WH-BG01@6' | Y210561-04 | Soil | October 24, 2022 14:56 | 10/24/2022 17:44 |
| WH-BG02@3' | Y210561-05 | Soil | October 24, 2022 14:58 | 10/24/2022 17:44 |
| WH-BG02@6' | Y210561-06 | Soil | October 24, 2022 14:59 | 10/24/2022 17:44 |
| WH-BG03@3' | Y210561-07 | Soil | October 24, 2022 15:02 | 10/24/2022 17:44 |
| WH-BG03@6' | Y210561-08 | Soil | October 24, 2022 15:03 | 10/24/2022 17:44 |

Origins Laboratory, Inc.




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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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



www.originslaboratory.com

Client: Eagle Environmental (EYD)
 Address: 8000 W 44th Ave
Wheat Ridge, CO 80033
 Telephone Number: 303-433-6129
 Email Address: d.coloccia@eagle-env.com

Project Manager: D Coloccia
 Project Name: UPRC FED 31-7K
 Project Number: -
 Samples Collected By: MDZ


| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | | Matrix | | | Analysis | | | | Sample Instructions | |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|-------|-------------|------|-----------------------|----------|--------------------|-------------------|-----|---------------------|------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | Air Summa Container # | Other | TEX ₂ N | TM ₈ S | TPH | | ELPH |
| W11 - R4176 | 12/14/12 | 15:15 | 2 | X | | | | X | | | X | X | X | X | | |
| W1 - R4174 | | 14:55 | | | | | | | | | X | X | X | X | | |
| W1 - R4176 | | 14:54 | | | | | | | | | X | X | X | X | | |
| W1 - R4173 | | 14:55 | | | | | | | | | X | X | X | X | | |
| W1 - R4174 | | 14:59 | | | | | | | | | X | X | X | X | | |
| W1 - R4173 | | 15:02 | | | | | | | | | X | X | X | X | | |
| W1 - R4176 | | 14:03 | | | | | | | | | X | X | X | X | | |
| | | | | | | | | | | | | | | | | 10 |

Relinquished By: Marty Trivette Date: 10/24/12 Time: 17:44

Received By: CHS Date: 10/24/12 Time: 17:44

Temp Received: 44 Date Results Needed: _____

Standard 48 Hr 24 Hr 72 Hr

Origins Laboratory, Inc.


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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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

Sample Receipt Checklist

Origins Work Order: 4210561 Client: Eagle
 Client Project ID: UPRC FED 31-7K

Checklist Completed by: EHS/DE Shipped Via: 410
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Date/time completed: 10/24/2012 Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 / 14.4 °C °C °C (Describe)
 Thermometer ID: TO 04

| Requirement Description | Yes | No | N/A | Comments (if any) |
|---|-----|----|-----|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | X | | | |
| Is there ice present (document if blue ice is used) | X | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | X | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | X | | |
| Were all samples received intact ⁽¹⁾ ? | X | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | X | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | X | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | X | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | X | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | X | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | X | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | X | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH) | | | X | |
| Additional Comments (if any): | | | | |

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

Dan Coloccia
 Reviewed by (Project Manager)

10/24/2012
 Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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

Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-B01@6'

10/24/2022 3:15:00PM

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

Origins Laboratory, Inc.
Y210561-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 0.375 | 0.0998 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B2J2423 | ZZZ | 10/24/2022 | 10/25/2022 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: o-Terphenyl | 83.7 % | 50-150 | | | " | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B2J2422 | JSM | 10/24/2022 | 10/25/2022 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 0.00380 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 110 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 100 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 104 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-B01@6'

10/24/2022 3:15:00PM

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

Origins Laboratory, Inc.
Y210561-01 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 2.99 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/27/2022 |
| Magnesium | 1.05 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 4.72 | 0.435 | " | " | " | KAP | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.30 | | pH Units | 1 | B2K0116 | HJD | 11/01/2022 | 11/02/2022 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|
| SAR | 3.32 | | SAR | 1 | B2J2606 | KAP | 10/26/2022 | 10/27/2022 |
|-----|------|--|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 0.880 | 0.00500 | mmhos/cm | 1 | B2K0116 | HJD | 11/01/2022 | 11/02/2022 |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

FL-B01@4'
10/24/2022 3:17:00PM

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

Origins Laboratory, Inc.
Y210561-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 0.365 | 0.0995 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|------|-------|---|---------|-----|------------|------------|---|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | 1 | B2J2423 | ZZZ | 10/24/2022 | 10/25/2022 | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | " | " | ZZZ | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--------|--|--|---|---|---|---|--|
| Surrogate: o-Terphenyl | 81.7 % | 50-150 | | | " | " | " | " | |
|------------------------|--------|--------|--|--|---|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|---------|-------|---|---------|-----|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | 1 | B2J2422 | JSM | 10/24/2022 | 10/25/2022 | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Benzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Ethylbenzene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Naphthalene | ND | 0.00380 | " | " | " | JSM | " | " | U |
| Toluene | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Xylenes, total | ND | 0.00200 | " | " | " | JSM | " | " | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | " | " | JSM | " | " | U |

| | | | | | | | | | |
|----------------------------------|-------|--------|--|--|---|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 112 % | 70-130 | | | " | " | " | " | |
| Surrogate: Toluene-d8 | 101 % | 70-130 | | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 103 % | 70-130 | | | " | " | " | " | |

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

FL-B01@4'

10/24/2022 3:17:00PM

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

Origins Laboratory, Inc.
 Y210561-02 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 2.65 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/27/2022 |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " |
| Sodium | 3.24 | 0.435 | " | " | " | KAP | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.11 | | pH Units | 1 | B2J2615 | HJD | 10/26/2022 | 10/27/2022 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|
| SAR | 2.48 | | SAR | 1 | B2J2606 | KAP | 10/26/2022 | 10/27/2022 |
|-----|------|--|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 0.708 | 0.00500 | mmhos/cm | 1 | B2J2615 | HJD | 10/26/2022 | 10/27/2022 |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-BG01@3'
10/24/2022 2:55:00PM

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

Origins Laboratory, Inc.
Y210561-03 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|
| Boron | 0.798 | 0.0991 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 |
|-------|-------|--------|------|---|---------|-----|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 2.58 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/27/2022 |
| Magnesium | 1.18 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 6.21 | 0.435 | " | " | " | KAP | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.20 | | pH Units | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|
| SAR | 4.53 | | SAR | 1 | B2J2607 | KAP | 10/26/2022 | 10/27/2022 |
|-----|------|--|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 1.03 | 0.00500 | mmhos/cm | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 |
|---------------------------|------|---------|----------|---|---------|-----|------------|------------|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-BG01@6'
10/24/2022 2:56:00PM

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

Origins Laboratory, Inc.
Y210561-04 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|----|-------|------|---|---------|-----|------------|------------|--|
| Boron | ND | 0.100 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 | |
|-------|----|-------|------|---|---------|-----|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 2.25 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/27/2022 | |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " | |
| Sodium | 1.13 | 0.435 | " | " | " | KAP | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 11.0 | | pH Units | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|
| SAR | 1.06 | | SAR | 1 | B2J2607 | KAP | 10/26/2022 | 10/27/2022 | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|
| Specific Conductance (EC) | 0.376 | 0.00500 | mmhos/cm | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-BG02@3'
10/24/2022 2:58:00PM

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

Origins Laboratory, Inc.
Y210561-05 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|
| Boron | 0.817 | 0.0997 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 |
|-------|-------|--------|------|---|---------|-----|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|-------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 2.76 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/27/2022 |
| Magnesium | 0.913 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 5.13 | 0.435 | " | " | " | KAP | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.38 | | pH Units | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|
| SAR | 3.78 | | SAR | 1 | B2J2607 | KAP | 10/26/2022 | 10/27/2022 |
|-----|------|--|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 0.936 | 0.00500 | mmhos/cm | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-BG02@6'
10/24/2022 2:59:00PM

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

Origins Laboratory, Inc.
Y210561-06 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|
| Boron | 0.170 | 0.0996 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 | |
|-------|-------|--------|------|---|---------|-----|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 1.92 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/27/2022 | |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " | |
| Sodium | 3.59 | 0.435 | " | " | " | KAP | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.31 | | pH Units | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|
| SAR | 3.20 | | SAR | 1 | B2J2607 | KAP | 10/26/2022 | 10/27/2022 | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|
| Specific Conductance (EC) | 0.658 | 0.00500 | mmhos/cm | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|

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 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-BG03@3'
10/24/2022 3:02:00PM

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

Origins Laboratory, Inc.
Y210561-07 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | |
|-------|-------|--------|------|---|---------|-----|------------|------------|
| Boron | 0.493 | 0.0998 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 |
|-------|-------|--------|------|---|---------|-----|------------|------------|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|
| Calcium | 4.20 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/28/2022 |
| Magnesium | 1.57 | 0.823 | " | " | " | KAP | " | " |
| Sodium | 7.52 | 0.435 | " | " | " | KAP | " | " |

pH in Soil by 9045D

| | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|
| pH | 8.19 | | pH Units | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 |
|----|------|--|----------|---|---------|-----|------------|------------|

SAR by 20B Saturated Paste

| | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|
| SAR | 4.42 | | SAR | 1 | B2J2607 | KAP | 10/26/2022 | 10/27/2022 |
|-----|------|--|-----|---|---------|-----|------------|------------|

Specific Conductance Mod. 9050A

| | | | | | | | | |
|---------------------------|------|---------|----------|---|---------|-----|------------|------------|
| Specific Conductance (EC) | 1.36 | 0.00500 | mmhos/cm | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 |
|---------------------------|------|---------|----------|---|---------|-----|------------|------------|

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

WH-BG03@6'
10/24/2022 3:03:00PM

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

Origins Laboratory, Inc.
Y210561-08 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|----|-------|------|---|---------|-----|------------|------------|--|
| Boron | ND | 0.101 | mg/L | 1 | B2J2601 | KAP | 10/26/2022 | 10/27/2022 | |
|-------|----|-------|------|---|---------|-----|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|-------|-------|----|--------|-----|------------|------------|--|
| Calcium | 1.20 | 0.499 | meq/L | 10 | [CALC] | KAP | 10/26/2022 | 10/28/2022 | |
| Magnesium | ND | 0.823 | " | " | " | KAP | " | " | |
| Sodium | 2.45 | 0.435 | " | " | " | KAP | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|----------|---|---------|-----|------------|------------|--|
| pH | 8.24 | | pH Units | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 | |
|----|------|--|----------|---|---------|-----|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|
| SAR | 2.74 | | SAR | 1 | B2J2607 | KAP | 10/26/2022 | 10/27/2022 | |
|-----|------|--|-----|---|---------|-----|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|
| Specific Conductance (EC) | 0.440 | 0.00500 | mmhos/cm | 1 | B2J2616 | HJD | 10/26/2022 | 10/27/2022 | |
|---------------------------|-------|---------|----------|---|---------|-----|------------|------------|--|

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

Blank (B2J2422-BLK1)

Prepared: 10/24/2022 Analyzed: 10/24/2022

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | 91.2 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | 102 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | 102 | | 70-130 | | | |

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

Blank (B2J2422-BLK2)

Prepared: 10/24/2022 Analyzed: 10/24/2022

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | 90.7 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | 99.4 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | 101 | | 70-130 | | | |

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

LCS (B2J2422-BS1)

Prepared: 10/24/2022 Analyzed: 10/24/2022

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.116 | 0.00200 | mg/kg | 0.100 | | 116 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.116 | 0.00200 | " | 0.100 | | 116 | 70-130 | | | |
| Benzene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | | | |
| Ethylbenzene | 0.111 | 0.00200 | " | 0.100 | | 111 | 70-130 | | | |
| Naphthalene | 0.102 | 0.00380 | " | 0.100 | | 102 | 70-130 | | | |
| Toluene | 0.106 | 0.00200 | " | 0.100 | | 106 | 70-130 | | | |
| o-Xylene | 0.110 | 0.00200 | " | 0.100 | | 110 | 70-130 | | | |
| m,p-Xylene | 0.224 | 0.00400 | " | 0.200 | | 112 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 93.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

LCS (B2J2422-BS2)

Prepared: 10/24/2022 Analyzed: 10/24/2022

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.115 | 0.00200 | mg/kg | 0.100 | | 115 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.117 | 0.00200 | " | 0.100 | | 117 | 70-130 | | | |
| Benzene | 0.107 | 0.00200 | " | 0.100 | | 107 | 70-130 | | | |
| Ethylbenzene | 0.110 | 0.00200 | " | 0.100 | | 110 | 70-130 | | | |
| Naphthalene | 0.106 | 0.00380 | " | 0.100 | | 106 | 70-130 | | | |
| Toluene | 0.108 | 0.00200 | " | 0.100 | | 108 | 70-130 | | | |
| o-Xylene | 0.110 | 0.00200 | " | 0.100 | | 110 | 70-130 | | | |
| m,p-Xylene | 0.223 | 0.00400 | " | 0.200 | | 112 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 92.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 99.6 | 70-130 | | | |

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

| Matrix Spike (B2J2422-MS1) | Source: Y210544-01 | | | Prepared: 10/24/2022 Analyzed: 10/24/2022 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.100 | 0.00200 | mg/kg | 0.100 | ND | 100 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | | | |
| Benzene | 0.0960 | 0.00200 | " | 0.100 | ND | 96.0 | 70-130 | | | |
| Ethylbenzene | 0.0980 | 0.00200 | " | 0.100 | ND | 98.0 | 70-130 | | | |
| Naphthalene | 0.0925 | 0.00380 | " | 0.100 | ND | 92.5 | 70-130 | | | |
| Toluene | 0.0955 | 0.00200 | " | 0.100 | ND | 95.5 | 70-130 | | | |
| o-Xylene | 0.0980 | 0.00200 | " | 0.100 | ND | 98.0 | 70-130 | | | |
| m,p-Xylene | 0.198 | 0.00400 | " | 0.200 | ND | 98.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 90.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.8 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

| Matrix Spike (B2J2422-MS2) | Source: Y210544-01 | | | Prepared: 10/24/2022 Analyzed: 10/24/2022 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0917 | 0.00200 | mg/kg | 0.100 | ND | 91.7 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0916 | 0.00200 | " | 0.100 | ND | 91.6 | 70-130 | | | |
| Benzene | 0.0917 | 0.00200 | " | 0.100 | ND | 91.7 | 70-130 | | | |
| Ethylbenzene | 0.0897 | 0.00200 | " | 0.100 | ND | 89.7 | 70-130 | | | |
| Naphthalene | 0.0887 | 0.00380 | " | 0.100 | ND | 88.7 | 70-130 | | | |
| Toluene | 0.0889 | 0.00200 | " | 0.100 | ND | 88.9 | 70-130 | | | |
| o-Xylene | 0.0909 | 0.00200 | " | 0.100 | ND | 90.9 | 70-130 | | | |
| m,p-Xylene | 0.181 | 0.00400 | " | 0.200 | ND | 90.3 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 91.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 99.9 | 70-130 | | | |

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

| Matrix Spike Dup (B2J2422-MSD1) | Source: Y210544-01 | | | Prepared: 10/24/2022 Analyzed: 10/24/2022 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0907 | 0.00200 | mg/kg | 0.100 | ND | 90.7 | 70-130 | 9.91 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0919 | 0.00200 | " | 0.100 | ND | 91.9 | 70-130 | 9.28 | 20 | |
| Benzene | 0.0918 | 0.00200 | " | 0.100 | ND | 91.8 | 70-130 | 4.43 | 20 | |
| Ethylbenzene | 0.0900 | 0.00200 | " | 0.100 | ND | 90.0 | 70-130 | 8.47 | 20 | |
| Naphthalene | 0.0866 | 0.00380 | " | 0.100 | ND | 86.6 | 70-130 | 6.57 | 20 | |
| Toluene | 0.0902 | 0.00200 | " | 0.100 | ND | 90.2 | 70-130 | 5.79 | 20 | |
| o-Xylene | 0.0902 | 0.00200 | " | 0.100 | ND | 90.2 | 70-130 | 8.29 | 20 | |
| m,p-Xylene | 0.182 | 0.00400 | " | 0.200 | ND | 90.8 | 70-130 | 8.45 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 92.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2422 - EPA 5030 (soil)

| Matrix Spike Dup (B2J2422-MSD2) | Source: Y210544-01 | | | Prepared: 10/24/2022 Analyzed: 10/24/2022 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene | 0.0883 | 0.00200 | mg/kg | 0.100 | ND | 88.3 | 70-130 | 3.76 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0888 | 0.00200 | " | 0.100 | ND | 88.8 | 70-130 | 3.08 | 20 | |
| Benzene | 0.0901 | 0.00200 | " | 0.100 | ND | 90.1 | 70-130 | 1.74 | 20 | |
| Ethylbenzene | 0.0877 | 0.00200 | " | 0.100 | ND | 87.7 | 70-130 | 2.34 | 20 | |
| Naphthalene | 0.0851 | 0.00380 | " | 0.100 | ND | 85.1 | 70-130 | 4.07 | 20 | |
| Toluene | 0.0881 | 0.00200 | " | 0.100 | ND | 88.1 | 70-130 | 0.859 | 20 | |
| o-Xylene | 0.0882 | 0.00200 | " | 0.100 | ND | 88.2 | 70-130 | 3.02 | 20 | |
| m,p-Xylene | 0.176 | 0.00400 | " | 0.200 | ND | 88.1 | 70-130 | 2.47 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 92.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.1 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |

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Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2423 - EPA 3550B | | | | | | | | | | |
| Blank (B2J2423-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 10/24/2022 Analyzed: 10/24/2022 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 20 | | " | 24.9 | | 78.5 | 50-150 | | | |

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2423 - EPA 3550B | | | | | | | | | | |
| LCS (B2J2423-BS1) | | | | | Prepared: 10/24/2022 Analyzed: 10/25/2022 | | | | | |
| Diesel (C10-C28) | 485 | 25.0 | mg/kg | 500 | | 96.9 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 396 | 100 | " | 500 | | 79.1 | 70-130 | | | |
| Surrogate: o-Terphenyl | 27 | | " | 24.9 | | 109 | 50-150 | | | |

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Eagle Environmental Consulting, Inc.
 8000 W 44th Ave
 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

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 B2J2423 - EPA 3550B

| Matrix Spike (B2J2423-MS1) | Source: Y210544-01 | | | Prepared: 10/24/2022 Analyzed: 10/25/2022 | | | | | | |
|-----------------------------------|---------------------------|------|-------|--|----|------|--------|--|--|--|
| Diesel (C10-C28) | 473 | 25.0 | mg/kg | 500 | ND | 94.6 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 389 | 100 | " | 500 | ND | 77.8 | 70-130 | | | |
| Surrogate: o-Terphenyl | 20 | | " | 24.9 | | 78.6 | 50-150 | | | |

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Dan Coloccia
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 Project: KMG - UPRC FED 31-7K

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 B2J2423 - EPA 3550B

| Matrix Spike Dup (B2J2423-MSD1) | Source: Y210544-01 | | Prepared: 10/24/2022 Analyzed: 10/25/2022 | | | | | | | |
|--|---------------------------|------|--|------|----|------|--------|-------|----|--|
| Diesel (C10-C28) | 485 | 25.0 | mg/kg | 500 | ND | 97.1 | 70-130 | 2.57 | 35 | |
| Residual Range Organics (C28-C40) | 390 | 100 | " | 500 | ND | 78.0 | 70-130 | 0.185 | 35 | |
| Surrogate: o-Terphenyl | 20 | | " | 24.9 | | 78.7 | 50-150 | | | |

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 Project: KMG - UPRC FED 31-7K

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

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B2J2601 - DTPA Sorbitol Preparation

Blank (B2J2601-BLK1)

Prepared: 10/26/2022 Analyzed: 10/27/2022

Boron ND 0.100 mg/L

Duplicate (B2J2601-DUP1)

Source: Y210548-13

Prepared: 10/26/2022 Analyzed: 10/27/2022

Boron 0.0750 0.0997 mg/L 0.0789 5.08 50

Batch B2J2606 - Saturated Paste

Blank (B2J2606-BLK1)

Prepared: 10/26/2022 Analyzed: 10/27/2022

SAR 0.00 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B2J2606-DUP1)

Source: Y210548-13

Prepared: 10/26/2022 Analyzed: 10/27/2022

SAR 0.00 SAR 0.215 200 200

Calcium PPM 12.4 10.0 mg/L 10.1 20.9 50

Magnesium PPM 2.67 10.0 " 2.29 15.4 50

Sodium PPM 3.06 10.0 " 2.90 5.13 50

Batch B2J2607 - Saturated Paste

Blank (B2J2607-BLK1)

Prepared: 10/26/2022 Analyzed: 10/27/2022

SAR 0.00 SAR

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 Wheat Ridge CO 80033

Dan Coloccia
 Project Number: -
 Project: KMG - UPRC FED 31-7K

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B2J2607 - Saturated Paste

Blank (B2J2607-BLK1)

Prepared: 10/26/2022 Analyzed: 10/27/2022

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

Duplicate (B2J2607-DUP1)

Source: Y210561-03

Prepared: 10/26/2022 Analyzed: 10/27/2022

| | | | | | | | | | | |
|---------------|------|------|------|--|------|--|--|------|-----|--|
| Calcium PPM | 53.1 | 10.0 | mg/L | | 51.8 | | | 2.62 | 50 | |
| SAR | 0.00 | | SAR | | 4.53 | | | 200 | 200 | |
| Magnesium PPM | 14.6 | 10.0 | mg/L | | 14.3 | | | 2.14 | 50 | |
| Sodium PPM | 146 | 10.0 | " | | 143 | | | 2.13 | 50 | |

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Saturated Paste - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|----------|-------------|---|------|-------------|-------|-----------|-------|
| Batch B2J2615 - NO PREP | | | | | | | | | | |
| Blank (B2J2615-BLK1) | | | | | Prepared: 10/26/2022 Analyzed: 10/27/2022 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B2J2615-DUP1) | | | | | Source: Y210548-13 Prepared: 10/26/2022 Analyzed: 10/27/2022 | | | | | |
| Specific Conductance (EC) | 0.104 | 0.00500 | mmhos/cm | | 0.0934 | | | 11.0 | 25 | |
| pH | 7.93 | | pH Units | | 7.86 | | | 0.887 | 25 | |
| Batch B2J2616 - NO PREP | | | | | | | | | | |
| Blank (B2J2616-BLK1) | | | | | Prepared: 10/26/2022 Analyzed: 10/27/2022 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B2J2616-DUP1) | | | | | Source: Y210561-03 Prepared: 10/26/2022 Analyzed: 10/27/2022 | | | | | |
| Specific Conductance (EC) | 1.06 | 0.00500 | mmhos/cm | | 1.03 | | | 3.10 | 25 | |
| pH | 8.16 | | pH Units | | 8.20 | | | 0.489 | 25 | |
| Batch B2K0116 - Saturated Paste | | | | | | | | | | |
| Blank (B2K0116-BLK1) | | | | | Prepared: 11/01/2022 Analyzed: 11/02/2022 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B2K0116-DUP1) | | | | | Source: Y210561-01 Prepared: 11/01/2022 Analyzed: 11/02/2022 | | | | | |
| pH | 8.30 | | pH Units | | 8.30 | | | 0.00 | 25 | |
| Specific Conductance (EC) | 0.873 | 0.00500 | mmhos/cm | | 0.880 | | | 0.788 | 25 | |

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Wheat Ridge CO 80033

Dan Coloccia
Project Number: -
Project: KMG - UPRC FED 31-7K

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jordan A. Bynon, Project Manager