



Ensolum

June 11, 2025

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Karich 2-32A Wellhead & Karich 2-32 Flowline

Project Number - 09A14171075

Attached are your analytical results for KMG - Karich 2-32A Wellhead & Karich 2-32 Flowline received by Origins Laboratory April 10, 2025. This project is associated with Origins project number E5D0302-01.

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
303.433.1322
projectmanager@originslab.com



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



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

Jeremy Espinoza
Project Number: 09A14171075
Project: KMG - Karich 2-32A Wellhead & Karich
2-32 Flowline

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------------|---------------|--------|----------------------|------------------|
| WH-RISER(2-32A)@3' | E5D0302-01 | Soil | April 10, 2025 12:00 | 04/10/2025 15:37 |
| WH-RISER(2-32A)@3'-V | E5D0302-02 | Soil | April 10, 2025 12:01 | 04/10/2025 15:37 |
| B01(2-32A)@6' | E5D0302-03 | Soil | April 10, 2025 12:10 | 04/10/2025 15:37 |
| B01(2-32A)@6'-V | E5D0302-04 | Soil | April 10, 2025 12:11 | 04/10/2025 15:37 |
| NATIVE-BG01@3' | E5D0302-05 | Soil | April 10, 2025 10:08 | 04/10/2025 15:37 |
| NATIVE-BG01@6' | E5D0302-06 | Soil | April 10, 2025 10:18 | 04/10/2025 15:37 |
| NATIVE-BG02@3' | E5D0302-07 | Soil | April 10, 2025 11:09 | 04/10/2025 15:37 |
| NATIVE-BG02@6' | E5D0302-08 | Soil | April 10, 2025 11:15 | 04/10/2025 15:37 |
| NATIVE-BG03@3' | E5D0302-09 | Soil | April 10, 2025 10:50 | 04/10/2025 15:37 |
| NATIVE-BG03@6' | E5D0302-10 | Soil | April 10, 2025 11:02 | 04/10/2025 15:37 |
| NATIVE-BG04@3' | E5D0302-11 | Soil | April 10, 2025 10:32 | 04/10/2025 15:37 |
| NATIVE-BG04@6' | E5D0302-12 | Soil | April 10, 2025 10:42 | 04/10/2025 15:37 |

A Cadmium rerun was requested for WH-RISER(2-32)@3'-V per Jeremy's email on 05/13/2025. No errors were found in the original data, all results are reported. JAB

Origins Laboratory

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ORIGINS LABORATORY

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

Jeremy Espinoza
Project Number: 09A14171075
Project: KMG - Karich 2-32A Wellhead & Karich 2-32 Flowline



Page 1 of 2

Client: ENSOIUM
Address: 11049 W 44th Ave. Ste 100
Wheat Ridge, CO 80033
Telephone Number: _____
Email Address: KMG-TEAM

Project Manager: Jeremy Espinoza
Project Name: Karich 2-32A Wellhead & Karich 2-32 Flowline
Project Number: 09A14171075
Collected By: JE
Invoice/Billing Info: Initial/OKy

S=Soil | SO=Soil | O=Oil | A=Air | G=Gas | UNP=Unpres | HCL= Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide
W=Water | SW=Surface Water | WW=Waste Water | L=Liquid

| # | Sample ID | Date Sampled | Time Sampled | # of Containers | Matrix | Preservative | Analysis | Comments |
|----|-----------------|--------------|--------------|-----------------|--------|--------------|---|--|
| 1 | WH-EISEL(2-32A) | 4/10/25 | 1200 | 3 | S | UNP | Fullist P1 EC SARZ Baron G15 metals Cd | *NOTE: I needed please provide partial report in 2-weeks or sooner with finished analysis |
| 2 | WH-EISEL(2-32A) | 4/10/25 | 1201 | 1 | | | | |
| 3 | Boi(2-32A)E6 | 12/10 | 1210 | 1 | | | | |
| 4 | Boi(2-32A)E6 | 12/11 | 1211 | 1 | | | | |
| 5 | NAHVE-6601C31 | 1008 | 1008 | 2 | | | | |
| 6 | NAHVE-6601E6 | 1018 | 1018 | 1 | | | | |
| 7 | NAHVE-6602E31 | 1109 | 1109 | 1 | | | | |
| 8 | NAHVE-6602E6 | 1115 | 1115 | 1 | | | | |
| 9 | NAHVE-6603E31 | 1050 | 1050 | 1 | | | | |
| 10 | NAHVE-6603E6 | 1102 | 1102 | 1 | | | | |

Temp Received - 2.9 Received On Ice? Yes No

Turnaround Time
 SAME DAY
 24 Hr
 48 Hr
 72
 Standard

Origins Laboratory
Byron

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ORIGINS LABORATORY

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline



ESDO 302

| # | Sample ID | Date Sampled | Time Sampled | # of Containers | Matrix | Preservative | Analysis | | | | Comments |
|----|-------------|--------------|--------------|-----------------|--------|--------------|----------|----|-----|-------|---|
| | | | | | | | PH | EC | SAR | Boron | |
| 1 | WAHE-B60423 | 4/10/25 | 1032 | 2 | S | UNP | XX | XX | XX | XX | XNOTE: If needed please provide Detail Report in 2-48hrs or sooner than finished analysis |
| 2 | WAHE-B60426 | 4/10/25 | 1042 | 2 | S | UNP | XX | XX | XX | XX | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |

Client: ENSOLIUM
 Address: 11049 W 44th AVE STE 100
Wheat Ridge, CO 80033
 Telephone Number: _____
 Email Address: ESM@ensolium.com
 Project Manager: JEREMY ESPINOZA
 Project Name: KARICH 2-32A Wellhead & Karich 2-32 Flowline
 Project Number: 09A14171075
 Collected By: JLE
 Invoice/Billing Info: Final Bill / OKY
 S=Soil | SO=Solid | O=Oil | A=Air | G=Gas | UNP=Unpres | HCl = Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide
 L=Liquid
 MW=Waste Water
 SW=Surface Water
 GW=Groundwater
 W=Water
 Key:

Relinquished By: [Signature] Date: 4/10/25 Time: 1537
 Received By: JAE Date: 4/10/25 Time: 1537
 Requisitioned By: _____
 Turnaround Time
 SAME DAY
 48 Hr
 72 Hr
 Standard

Temp Received: 2.9 Received On Ice? Yes No

Origins Laboratory

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Ensolium
11049 W 44th Avenue, Suite 103
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Jeremy Espinoza
Project Number: 09A14171075
Project: KMG - Karich 2-32A Wellhead & Karich
2-32 Flowline

Origins Laboratory

Sample Receipt Checklist

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

Origins Work Order: ESD06302

Client: Ensolium

Client Project ID: Karich 2-32A WH d Karich

Checklist Completed by: JAB

Shipped Via: HD

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

Date/time completed: 4/10/25

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 29 °C °C °C (Describe) °C

Thermometer ID: 1007


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

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

Reviewed by: JAB (Project Manager)

Date/Time Reviewed: 4/11/25

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 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

WH-RISER(2-32A)@3'
4/10/2025 12:00:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|-----------------------------------|--------|-----------------|-----------------|-----------|----------|---------|------------|------------|-------|
| E5D0302-01 (Soil) | | | | | | | | | |
| GEL Laboratories, LLC | | | | | | | | | |
| Total Metals 7196A | | | | | | | | | |
| Hexavalent Chromium | ND | 0.103 | 0.257 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
| Origins Laboratory | | | | | | | | | |
| Boron (DTPA Sorbitol) | | | | | | | | | |
| Boron | 1.74 | | 0.100 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
| DRO/ORO by EPA 8015D | | | | | | | | | |
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B5D1132 | 04/11/2025 | 04/11/2025 | Ua |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | Ua |
| Surrogate: o-Terphenyl | 95.4 % | | | 50-150 | | " | " | " | |
| GBTEX+TMBs by 8260D | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B5D1124 | 04/11/2025 | 04/13/2025 | Ua |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Benzene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Toluene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | Ua |

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WH-RISER(2-32A)@3'
4/10/2025 12:00:00PM

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

E5D0302-01 (Soil)
Origins Laboratory

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|----------------------------------|--------|--|-------|--------|---|---------|------------|------------|----|
| Gasoline Range Hydrocarbons | ND | | 0.200 | mg/kg | 1 | B5D1124 | 04/11/2025 | 04/13/2025 | Ua |
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | | | 70-130 | " | " | " | " | " |
| Surrogate: Toluene-d8 | 111 % | | | 70-130 | " | " | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 81.9 % | | | 70-130 | " | " | " | " | " |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.97 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 1.45 | | 0.823 | " | " | " | " | " | |
| Sodium | 3.54 | | 0.435 | " | " | " | " | " | |

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | | |
|------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| 1-Methylnaphthalene | ND | | 0.002 | mg/kg | 1 | B5D1122 | 04/11/2025 | 04/12/2025 | Ua |
| 2-Methylnaphthalene | ND | | 0.002 | " | " | " | " | " | Ua |
| Acenaphthene | ND | | 0.020 | " | " | " | " | " | Ua |
| Anthracene | ND | | 0.020 | " | " | " | " | " | Ua |
| Benzo (a) anthracene | ND | | 0.005 | " | " | " | " | " | Ua |
| Benzo (a) pyrene | ND | | 0.020 | " | " | " | " | " | Ua |
| Benzo (b) fluoranthene | ND | | 0.020 | " | " | " | " | " | Ua |
| Benzo (k) fluoranthene | ND | | 0.020 | " | " | " | " | " | Ua |

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 2-32 Flowline

WH-RISER(2-32A)@3'
4/10/2025 12:00:00PM

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

E5D0302-01 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | | |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| Chrysene | ND | | 0.020 | mg/kg | 1 | B5D1122 | 04/11/2025 | 04/12/2025 | Ua |
| Dibenz (a,h) anthracene | ND | | 0.020 | " | " | " | " | " | Ua |
| Fluoranthene | ND | | 0.020 | " | " | " | " | " | Ua |
| Fluorene | ND | | 0.020 | " | " | " | " | " | Ua |
| Indeno (1,2,3-cd) pyrene | ND | | 0.020 | " | " | " | " | " | Ua |
| Naphthalene | ND | | 0.002 | " | " | " | " | " | Ua |
| Pyrene | ND | | 0.020 | " | " | " | " | " | Ua |

| | | | | | | | | | |
|---------------------------------|--------|--|--|--------|--|---|---|---|--|
| Surrogate: Fluorene-d10 | 100 % | | | 60-130 | | " | " | " | |
| Surrogate: Anthracene-d10 | 98.6 % | | | 60-130 | | " | " | " | |
| Surrogate: Pyrene-d10 | 98.9 % | | | 60-130 | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 97.0 % | | | 60-130 | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.35 | | | pH Units | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 2.71 | | 0.0100 | SAR | 1 | B5D1515 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.756 | | 0.00500 | mmhos/cm | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

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Jeremy Espinoza
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 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

WH-RISER(2-32A)@3'
4/10/2025 12:00:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-01 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 5.50 | | 0.250 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 110 | | 8.63 | " | " | " | " | " | " |
| Cadmium | 1.17 | | 0.0863 | " | " | " | " | " | " |
| Copper | 14.2 | | 8.63 | " | " | " | " | " | " |
| Lead | 18.7 | | 0.863 | " | " | " | " | " | " |
| Nickel | 12.4 | | 0.863 | " | " | " | " | " | " |
| Selenium | 0.535 | | 0.224 | " | " | " | " | " | " |
| Silver | ND | | 0.0863 | " | " | " | " | " | " |
| Zinc | 49.4 | | 31.9 | " | " | " | " | " | " |

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Jeremy Espinoza
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 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

WH-RISER(2-32A)@3'-V
4/10/2025 12:01:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0302-02 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| pH in Soil by 9045D | | | | | | | | | |
| pH | 8.34 | | | pH Units | 1 | B5D1544 | 04/15/2025 | 04/17/2025 | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Cadmium | 1.38 | | 0.351 | mg/kg | 10 | B5E0134 | 05/01/2025 | 05/02/2025 | |

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 2-32 Flowline

WH-RISER(2-32A)@3'-V
4/10/2025 12:01:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-02RE1 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Cadmium | 1.11 | | 0.347 | mg/kg | 10 | B5E2055 | 05/01/2025 | 05/21/2025 | |

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Jeremy Espinoza
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 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

WH-RISER(2-32A)@3'-V
4/10/2025 12:01:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-02RE2 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Cadmium | 1.31 | | 0.322 | mg/kg | 10 | B5E2055 | 05/01/2025 | 05/21/2025 | |

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Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

B01(2-32A)\@6'
4/10/2025 12:10:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|-----------------------------------|--------|-----------------|-----------------|-----------|----------|---------|------------|------------|-------|
| E5D0302-03 (Soil) | | | | | | | | | |
| GEL Laboratories, LLC | | | | | | | | | |
| Total Metals 7196A | | | | | | | | | |
| Hexavalent Chromium | ND | 0.140 | 0.351 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
| Origins Laboratory | | | | | | | | | |
| Boron (DTPA Sorbitol) | | | | | | | | | |
| Boron | 2.12 | | 0.100 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
| DRO/ORO by EPA 8015D | | | | | | | | | |
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B5D1132 | 04/11/2025 | 04/11/2025 | Ua |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | Ua |
| Surrogate: o-Terphenyl | 87.8 % | | | 50-150 | | " | " | " | |
| GBTEX+TMBs by 8260D | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B5D1124 | 04/11/2025 | 04/13/2025 | Ua |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Benzene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Toluene | ND | | 0.00200 | " | " | " | " | " | Ua |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | Ua |

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

B01(2-32A)\@6'
4/10/2025 12:10:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--|--------|-----------------|-----------------|--------|----------|---------|------------|------------|-------|
| E5D0302-03 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| GBTEX+TMBs by 8260D | | | | | | | | | |
| Gasoline Range Hydrocarbons | ND | | 0.200 | mg/kg | 1 | B5D1124 | 04/11/2025 | 04/13/2025 | Ua |
| Surrogate: 1,2-Dichloroethane-d4 | 99.8 % | | | 70-130 | | " | " | " | |
| Surrogate: Toluene-d8 | 114 % | | | 70-130 | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 78.4 % | | | 70-130 | | " | " | " | |
| Metals by Saturated Paste by EPA 6010 | | | | | | | | | |
| Calcium | 4.91 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 2.91 | | 0.823 | " | " | " | " | " | |
| Sodium | 7.47 | | 0.435 | " | " | " | " | " | |
| PAH by EPA 8270E extracted via 3580A | | | | | | | | | |
| 1-Methylnaphthalene | ND | | 0.002 | mg/kg | 1 | B5D1122 | 04/11/2025 | 04/12/2025 | Ua |
| 2-Methylnaphthalene | ND | | 0.002 | " | " | " | " | " | Ua |
| Acenaphthene | ND | | 0.020 | " | " | " | " | " | Ua |
| Anthracene | ND | | 0.020 | " | " | " | " | " | Ua |
| Benzo (a) anthracene | ND | | 0.005 | " | " | " | " | " | Ua |
| Benzo (a) pyrene | ND | | 0.020 | " | " | " | " | " | Ua |
| Benzo (b) fluoranthene | ND | | 0.020 | " | " | " | " | " | Ua |
| Benzo (k) fluoranthene | ND | | 0.020 | " | " | " | " | " | Ua |

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 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

B01(2-32A)\@6'
4/10/2025 12:10:00PM

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

E5D0302-03 (Soil)
Origins Laboratory

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | | |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| Chrysene | ND | | 0.020 | mg/kg | 1 | B5D1122 | 04/11/2025 | 04/12/2025 | Ua |
| Dibenz (a,h) anthracene | ND | | 0.020 | " | " | " | " | " | Ua |
| Fluoranthene | ND | | 0.020 | " | " | " | " | " | Ua |
| Fluorene | ND | | 0.020 | " | " | " | " | " | Ua |
| Indeno (1,2,3-cd) pyrene | ND | | 0.020 | " | " | " | " | " | Ua |
| Naphthalene | ND | | 0.002 | " | " | " | " | " | Ua |
| Pyrene | ND | | 0.020 | " | " | " | " | " | Ua |

| | | | | | | | | | |
|---------------------------------|--------|--|--|--------|--|---|---|---|--|
| Surrogate: Fluorene-d10 | 99.9 % | | | 60-130 | | " | " | " | |
| Surrogate: Anthracene-d10 | 98.4 % | | | 60-130 | | " | " | " | |
| Surrogate: Pyrene-d10 | 99.2 % | | | 60-130 | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 98.3 % | | | 60-130 | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.29 | | | pH Units | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 3.78 | | 0.0100 | SAR | 1 | B5D1515 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 1.65 | | 0.00500 | mmhos/cm | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

B01(2-32A)\@6'
4/10/2025 12:10:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-03 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 3.85 | | 0.283 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 346 | | 9.77 | " | " | " | " | " | " |
| Cadmium | 0.364 | | 0.0977 | " | " | " | " | " | " |
| Copper | 10.8 | | 9.77 | " | " | " | " | " | " |
| Lead | 13.5 | | 0.977 | " | " | " | " | " | " |
| Nickel | 10.4 | | 0.977 | " | " | " | " | " | " |
| Selenium | 0.321 | | 0.254 | " | " | " | " | " | " |
| Silver | ND | | 0.0977 | " | " | " | " | " | " |
| Zinc | 41.9 | | 36.2 | " | " | " | " | " | " |

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 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

B01(2-32A)@6'-V
4/10/2025 12:11:00PM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|----------------------------|--------|-----------------|-----------------|----------|----------|---------|------------|------------|-------|
| E5D0302-04 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| pH in Soil by 9045D | | | | | | | | | |
| pH | 8.45 | | | pH Units | 1 | B5D1544 | 04/15/2025 | 04/17/2025 | |

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Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG01@3'
4/10/2025 10:08:00AM

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

E5D0302-05 (Soil)
GEL Laboratories, LLC

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.138 | 0.346 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--|-------|------|---|---------|------------|------------|--|
| Boron | 5.77 | | 0.100 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
|-------|------|--|-------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 23.0 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 21.8 | | 0.823 | " | " | " | " | " | |
| Sodium | 39.0 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.06 | | | pH Units | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 8.23 | | 0.0100 | SAR | 1 | B5D1515 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 6.87 | | 0.00500 | mmhos/cm | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG01@3'
4/10/2025 10:08:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-05 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 20.8 | | 0.268 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 149 | | 9.24 | " | " | " | " | " | " |
| Cadmium | 0.412 | | 0.0924 | " | " | " | " | " | " |
| Copper | 17.3 | | 9.24 | " | " | " | " | " | " |
| Lead | 14.0 | | 0.924 | " | " | " | " | " | " |
| Nickel | 23.2 | | 0.924 | " | " | " | " | " | " |
| Selenium | 0.861 | | 0.240 | " | " | " | " | " | " |
| Silver | ND | | 0.0924 | " | " | " | " | " | " |
| Zinc | 44.0 | | 34.2 | " | " | " | " | " | " |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG01@6'
4/10/2025 10:18:00AM

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

E5D0302-06 (Soil)
GEL Laboratories, LLC

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.199 | 0.498 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--|--------|------|---|---------|------------|------------|--|
| Boron | 5.55 | | 0.0997 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
|-------|------|--|--------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 23.3 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 19.6 | | 0.823 | " | " | " | " | " | |
| Sodium | 27.1 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.11 | | | pH Units | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 5.85 | | 0.0100 | SAR | 1 | B5D1515 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 5.51 | | 0.00500 | mmhos/cm | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG01@6'
4/10/2025 10:18:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-06 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 22.1 | | 0.252 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 262 | | 8.71 | " | " | " | " | " | " |
| Cadmium | 0.368 | | 0.0871 | " | " | " | " | " | " |
| Copper | 21.3 | | 8.71 | " | " | " | " | " | " |
| Lead | 17.4 | | 0.871 | " | " | " | " | " | " |
| Nickel | 17.6 | | 0.871 | " | " | " | " | " | " |
| Selenium | 2.16 | | 0.226 | " | " | " | " | " | " |
| Silver | ND | | 0.0871 | " | " | " | " | " | " |
| Zinc | 49.5 | | 32.2 | " | " | " | " | " | " |

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Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG02@3'
4/10/2025 11:09:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--|--------|-----------------|-----------------|-----------|----------|---------|------------|------------|-------|
| E5D0302-07 (Soil) | | | | | | | | | |
| GEL Laboratories, LLC | | | | | | | | | |
| Total Metals 7196A | | | | | | | | | |
| Hexavalent Chromium | ND | 0.157 | 0.391 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
| Origins Laboratory | | | | | | | | | |
| Boron (DTPA Sorbitol) | | | | | | | | | |
| Boron | 9.13 | | 0.0997 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
| Metals by Saturated Paste by EPA 6010 | | | | | | | | | |
| Calcium | 22.3 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 43.7 | | 0.823 | " | " | " | " | " | |
| Sodium | 86.1 | | 4.35 | " | 100 | " | " | 04/17/2025 | |
| pH in Soil by 9045D | | | | | | | | | |
| pH | 8.09 | | | pH Units | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
| SAR by 20B Saturated Paste | | | | | | | | | |
| SAR | 15.0 | | 0.0100 | SAR | 1 | B5D1515 | 04/15/2025 | 04/17/2025 | |
| Specific Conductance Mod. 9050A | | | | | | | | | |
| Specific Conductance (EC) | 11.5 | | 0.00500 | mmhos/cm | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG02@3'
4/10/2025 11:09:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-07 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 9.33 | | 0.283 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 1110 | | 9.77 | " | " | " | " | " | " |
| Cadmium | 0.318 | | 0.0977 | " | " | " | " | " | " |
| Copper | 16.6 | | 9.77 | " | " | " | " | " | " |
| Lead | 17.3 | | 0.977 | " | " | " | " | " | " |
| Nickel | 15.8 | | 0.977 | " | " | " | " | " | " |
| Selenium | 1.19 | | 0.254 | " | " | " | " | " | " |
| Silver | ND | | 0.0977 | " | " | " | " | " | " |
| Zinc | 60.9 | | 36.1 | " | " | " | " | " | " |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG02@6'
4/10/2025 11:15:00AM

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

E5D0302-08 (Soil)
GEL Laboratories, LLC

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.137 | 0.342 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--|-------|------|---|---------|------------|------------|--|
| Boron | 6.21 | | 0.100 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
|-------|------|--|-------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 18.4 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 33.0 | | 0.823 | " | " | " | " | " | |
| Sodium | 68.7 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.18 | | | pH Units | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 13.6 | | 0.0100 | SAR | 1 | B5D1515 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 9.54 | | 0.00500 | mmhos/cm | 1 | B5D1519 | 04/15/2025 | 04/17/2025 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

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Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG02@6'
4/10/2025 11:15:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-08 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 12.2 | | 0.272 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 876 | | 9.38 | " | " | " | " | " | " |
| Cadmium | 0.752 | | 0.0938 | " | " | " | " | " | " |
| Copper | 18.3 | | 9.38 | " | " | " | " | " | " |
| Lead | 20.8 | | 0.938 | " | " | " | " | " | " |
| Nickel | 19.1 | | 0.938 | " | " | " | " | " | " |
| Selenium | 2.57 | | 0.244 | " | " | " | " | " | " |
| Silver | ND | | 0.0938 | " | " | " | " | " | " |
| Zinc | 86.6 | | 34.7 | " | " | " | " | " | " |

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG03@3'
4/10/2025 10:50:00AM

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

E5D0302-09 (Soil)
GEL Laboratories, LLC

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.154 | 0.384 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--|--------|------|---|---------|------------|------------|--|
| Boron | 2.08 | | 0.0999 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
|-------|------|--|--------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 25.4 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 31.9 | | 0.823 | " | " | " | " | " | |
| Sodium | 39.7 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.97 | | | pH Units | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 7.42 | | 0.0100 | SAR | 1 | B5D1516 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 7.55 | | 0.00500 | mmhos/cm | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG03@3'
4/10/2025 10:50:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-09 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 6.91 | | 0.268 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 963 | | 9.24 | " | " | " | " | " | " |
| Cadmium | 0.283 | | 0.0924 | " | " | " | " | " | " |
| Copper | 13.2 | | 9.24 | " | " | " | " | " | " |
| Lead | 11.1 | | 0.924 | " | " | " | " | " | " |
| Nickel | 17.2 | | 0.924 | " | " | " | " | " | " |
| Selenium | 0.639 | | 0.240 | " | " | " | " | " | " |
| Silver | ND | | 0.0924 | " | " | " | " | " | " |
| Zinc | 58.7 | | 34.2 | " | " | " | " | " | " |

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Ensolium
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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG03@6'
4/10/2025 11:02:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--|--------|-----------------|-----------------|-----------|----------|---------|------------|------------|-------|
| E5D0302-10 (Soil) | | | | | | | | | |
| GEL Laboratories, LLC | | | | | | | | | |
| Total Metals 7196A | | | | | | | | | |
| Hexavalent Chromium | ND | 0.115 | 0.289 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
| Origins Laboratory | | | | | | | | | |
| Boron (DTPA Sorbitol) | | | | | | | | | |
| Boron | 4.45 | | 0.100 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
| Metals by Saturated Paste by EPA 6010 | | | | | | | | | |
| Calcium | 21.5 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 49.5 | | 0.823 | " | " | " | " | " | |
| Sodium | 67.2 | | 0.435 | " | " | " | " | " | |
| pH in Soil by 9045D | | | | | | | | | |
| pH | 8.05 | | | pH Units | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |
| SAR by 20B Saturated Paste | | | | | | | | | |
| SAR | 11.3 | | 0.0100 | SAR | 1 | B5D1516 | 04/15/2025 | 04/17/2025 | |
| Specific Conductance Mod. 9050A | | | | | | | | | |
| Specific Conductance (EC) | 10.3 | | 0.00500 | mmhos/cm | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG03@6'
4/10/2025 11:02:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-10 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 8.63 | | 0.268 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 92.8 | | 9.24 | " | " | " | " | " | " |
| Cadmium | 0.287 | | 0.0924 | " | " | " | " | " | " |
| Copper | 12.4 | | 9.24 | " | " | " | " | " | " |
| Lead | 13.9 | | 0.924 | " | " | " | " | " | " |
| Nickel | 15.0 | | 0.924 | " | " | " | " | " | " |
| Selenium | 0.938 | | 0.240 | " | " | " | " | " | " |
| Silver | ND | | 0.0924 | " | " | " | " | " | " |
| Zinc | 45.2 | | 34.2 | " | " | " | " | " | " |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG04@3'
4/10/2025 10:32:00AM

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

E5D0302-11 (Soil)
GEL Laboratories, LLC

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.146 | 0.365 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--|--------|------|---|---------|------------|------------|--|
| Boron | 5.15 | | 0.0996 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
|-------|------|--|--------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 3.57 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 6.92 | | 0.823 | " | " | " | " | " | |
| Sodium | 33.2 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.36 | | | pH Units | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 14.5 | | 0.0100 | SAR | 1 | B5D1516 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 4.62 | | 0.00500 | mmhos/cm | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG04@3'
4/10/2025 10:32:00AM

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

E5D0302-11 (Soil)
Origins Laboratory

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 7.84 | | 0.267 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 89.6 | | 9.21 | " | " | " | " | " | |
| Cadmium | 0.150 | | 0.0921 | " | " | " | " | " | |
| Copper | ND | | 9.21 | " | " | " | " | " | |
| Lead | 6.90 | | 0.921 | " | " | " | " | " | |
| Nickel | 9.51 | | 0.921 | " | " | " | " | " | |
| Selenium | 0.311 | | 0.240 | " | " | " | " | " | |
| Silver | ND | | 0.0921 | " | " | " | " | " | |
| Zinc | ND | | 34.1 | " | " | " | " | " | |

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Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG04@6'
4/10/2025 10:42:00AM

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

E5D0302-12 (Soil)
GEL Laboratories, LLC

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.126 | 0.315 | mg/kg dry | 1 | 2785650 | 04/25/2025 | 04/25/2025 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

Origins Laboratory

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|------|--|-------|------|---|---------|------------|------------|--|
| Boron | 7.40 | | 0.100 | mg/L | 1 | B5D1108 | 04/11/2025 | 04/14/2025 | |
|-------|------|--|-------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 3.18 | | 0.499 | meq/L | 10 | [CALC] | 04/15/2025 | 04/17/2025 | |
| Magnesium | 6.09 | | 0.823 | " | " | " | " | " | |
| Sodium | 30.1 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.38 | | | pH Units | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 14.0 | | 0.0100 | SAR | 1 | B5D1516 | 04/15/2025 | 04/17/2025 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 3.83 | | 0.00500 | mmhos/cm | 1 | B5D1521 | 04/15/2025 | 04/17/2025 | |
|---------------------------|------|--|---------|----------|---|---------|------------|------------|--|

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

NATIVE-BG04@6'
4/10/2025 10:42:00AM

| Analyte | Result | Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|--------------------------------------|--------|-----------------|-----------------|-------|----------|---------|------------|------------|-------|
| E5D0302-12 (Soil) | | | | | | | | | |
| Origins Laboratory | | | | | | | | | |
| Table 915 metals by EPA 6020B | | | | | | | | | |
| Arsenic | 5.17 | | 0.273 | mg/kg | 10 | B5D1052 | 04/10/2025 | 04/12/2025 | |
| Barium | 213 | | 9.42 | " | " | " | " | " | " |
| Cadmium | 0.234 | | 0.0942 | " | " | " | " | " | " |
| Copper | 13.0 | | 9.42 | " | " | " | " | " | " |
| Lead | 12.2 | | 0.942 | " | " | " | " | " | " |
| Nickel | 12.8 | | 0.942 | " | " | " | " | " | " |
| Selenium | 0.328 | | 0.245 | " | " | " | " | " | " |
| Silver | ND | | 0.0942 | " | " | " | " | " | " |
| Zinc | 49.2 | | 34.9 | " | " | " | " | " | " |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

Classical Chemistry Parameters - Quality Control
Origins Laboratory

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

Batch B5D1108 - DTPA Sorbitol Preparation

Blank (B5D1108-BLK1)

Prepared: 04/11/2025 Analyzed: 04/14/2025

Boron ND 0.100 mg/L

Duplicate (B5D1108-DUP1)

Source: E5D0298-02

Prepared: 04/11/2025 Analyzed: 04/14/2025

Boron 0.129 0.0999 mg/L 0.119 8.29 50

Batch B5D1515 - Saturated Paste Metals

Blank (B5D1515-BLK1)

Prepared: 04/15/2025 Analyzed: 04/17/2025

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

Duplicate (B5D1515-DUP1)

Source: E5D0288-04

Prepared: 04/15/2025 Analyzed: 04/17/2025

Calcium PPM 402 10.0 mg/L 344 15.4 50

SAR ND 0.0100 SAR ND 200

Magnesium PPM 99.7 10.0 mg/L 104 4.36 50

Sodium PPM 32.2 10.0 " 40.6 22.9 50

Batch B5D1516 - Saturated Paste Metals

Blank (B5D1516-BLK1)

Prepared: 04/15/2025 Analyzed: 04/17/2025

Calcium PPM ND 10.0 mg/L

SAR ND 0.0100 SAR

Magnesium PPM ND 10.0 mg/L

Sodium PPM ND 10.0 "

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Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

Classical Chemistry Parameters - Quality Control
Origins Laboratory

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

Batch B5D1516 - Saturated Paste Metals

Duplicate (B5D1516-DUP1)

Source: E5D0302-09

Prepared: 04/15/2025 Analyzed: 04/17/2025

| | | | | | | | | | | |
|---------------|-----|--------|------|--|------|--|--|------|-----|--|
| Calcium PPM | 498 | 10.0 | mg/L | | 508 | | | 2.07 | 50 | |
| SAR | ND | 0.0100 | SAR | | 7.42 | | | | 200 | |
| Magnesium PPM | 425 | 10.0 | mg/L | | 388 | | | 9.13 | 50 | |
| Sodium PPM | 996 | 10.0 | " | | 913 | | | 8.64 | 50 | |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

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

Batch B5D1122 - EPA 3580

Blank (B5D1122-BLK1)

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|--------------------------|----|-------|-------|--|--|--|--|--|--|----|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | Ua |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | Ua |
| Acenaphthene | ND | 0.020 | " | | | | | | | Ua |
| Anthracene | ND | 0.020 | " | | | | | | | Ua |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | Ua |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | Ua |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | Ua |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | Ua |
| Chrysene | ND | 0.020 | " | | | | | | | Ua |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | Ua |
| Fluoranthene | ND | 0.020 | " | | | | | | | Ua |
| Fluorene | ND | 0.020 | " | | | | | | | Ua |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | Ua |
| Naphthalene | ND | 0.002 | " | | | | | | | Ua |
| Pyrene | ND | 0.020 | " | | | | | | | Ua |

| | | | | | | | | | | |
|---------------------------------|-----|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.9 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.3 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 190 | | " | 200 | | 97.0 | 60-130 | | | |

LCS (B5D1122-BS1)

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|----------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.182 | 0.002 | mg/kg | 0.200 | | 90.8 | 70-130 | | | |
| 2-Methylnaphthalene | 0.179 | 0.002 | " | 0.200 | | 89.5 | 70-130 | | | |
| Acenaphthene | 0.189 | 0.020 | " | 0.200 | | 94.7 | 70-130 | | | |
| Anthracene | 0.180 | 0.020 | " | 0.200 | | 90.0 | 70-130 | | | |
| Benzo (a) anthracene | 0.205 | 0.005 | " | 0.200 | | 103 | 70-130 | | | |
| Benzo (a) pyrene | 0.179 | 0.020 | " | 0.200 | | 89.4 | 70-130 | | | |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

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

Batch B5D1122 - EPA 3580

LCS (B5D1122-BS1)

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| Benzo (b) fluoranthene | 0.187 | 0.020 | mg/kg | 0.200 | | 93.7 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.189 | 0.020 | " | 0.200 | | 94.6 | 70-130 | | | |
| Chrysene | 0.193 | 0.020 | " | 0.200 | | 96.4 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.192 | 0.020 | " | 0.200 | | 96.2 | 70-130 | | | |
| Fluoranthene | 0.200 | 0.020 | " | 0.200 | | 100 | 70-130 | | | |
| Fluorene | 0.195 | 0.020 | " | 0.200 | | 97.5 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.186 | 0.020 | " | 0.200 | | 93.0 | 70-130 | | | |
| Naphthalene | 0.190 | 0.002 | " | 0.200 | | 95.2 | 70-130 | | | |
| Pyrene | 0.198 | 0.020 | " | 0.200 | | 99.1 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 102 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.2 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 98.3 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 190 | | " | 200 | | 96.2 | 60-130 | | | |

Matrix Spike (B5D1122-MS1)

Source: E5D0298-01

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|-------------------------|-------|-------|-------|-------|--------|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.185 | 0.002 | mg/kg | 0.200 | 0.0008 | 92.0 | 70-130 | | | |
| 2-Methylnaphthalene | 0.184 | 0.002 | " | 0.200 | 0.001 | 91.3 | 70-130 | | | |
| Acenaphthene | 0.196 | 0.020 | " | 0.200 | ND | 98.2 | 70-130 | | | |
| Anthracene | 0.205 | 0.020 | " | 0.200 | 0.001 | 102 | 70-130 | | | |
| Benzo (a) anthracene | 0.212 | 0.005 | " | 0.200 | 0.002 | 105 | 70-130 | | | |
| Benzo (a) pyrene | 0.194 | 0.020 | " | 0.200 | 0.003 | 95.4 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.202 | 0.020 | " | 0.200 | 0.003 | 99.7 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.194 | 0.020 | " | 0.200 | 0.002 | 96.0 | 70-130 | | | |
| Chrysene | 0.200 | 0.020 | " | 0.200 | 0.003 | 98.6 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.203 | 0.020 | " | 0.200 | 0.003 | 100 | 70-130 | | | |
| Fluoranthene | 0.211 | 0.020 | " | 0.200 | 0.002 | 104 | 70-130 | | | |
| Fluorene | 0.201 | 0.020 | " | 0.200 | ND | 101 | 70-130 | | | |

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

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

Batch B5D1122 - EPA 3580

Matrix Spike (B5D1122-MS1)

Source: E5D0298-01

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|------|--------|--|--|--|
| Indeno (1,2,3-cd) pyrene | 0.200 | 0.020 | mg/kg | 0.200 | 0.004 | 98.2 | 70-130 | | | |
| Naphthalene | 0.195 | 0.002 | " | 0.200 | ND | 97.5 | 70-130 | | | |
| Pyrene | 0.209 | 0.020 | " | 0.200 | 0.002 | 104 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 101 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 97.4 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.2 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 190 | | " | 200 | | 97.4 | 60-130 | | | |

Matrix Spike Dup (B5D1122-MSD1)

Source: E5D0298-01

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|---------------------------|-------|-------|-------|-------|--------|------|--------|--------|----|--|
| 1-Methylnaphthalene | 0.185 | 0.002 | mg/kg | 0.200 | 0.0008 | 91.9 | 70-130 | 0.124 | 20 | |
| 2-Methylnaphthalene | 0.183 | 0.002 | " | 0.200 | 0.001 | 91.0 | 70-130 | 0.243 | 20 | |
| Acenaphthene | 0.195 | 0.020 | " | 0.200 | ND | 97.3 | 70-130 | 0.873 | 20 | |
| Anthracene | 0.190 | 0.020 | " | 0.200 | 0.001 | 94.4 | 70-130 | 7.58 | 20 | |
| Benzo (a) anthracene | 0.217 | 0.005 | " | 0.200 | 0.002 | 107 | 70-130 | 2.15 | 20 | |
| Benzo (a) pyrene | 0.191 | 0.020 | " | 0.200 | 0.003 | 93.8 | 70-130 | 1.72 | 20 | |
| Benzo (b) fluoranthene | 0.202 | 0.020 | " | 0.200 | 0.003 | 99.5 | 70-130 | 0.209 | 20 | |
| Benzo (k) fluoranthene | 0.194 | 0.020 | " | 0.200 | 0.002 | 95.9 | 70-130 | 0.160 | 20 | |
| Chrysene | 0.208 | 0.020 | " | 0.200 | 0.003 | 102 | 70-130 | 3.56 | 20 | |
| Dibenz (a,h) anthracene | 0.200 | 0.020 | " | 0.200 | 0.003 | 98.4 | 70-130 | 1.73 | 20 | |
| Fluoranthene | 0.215 | 0.020 | " | 0.200 | 0.002 | 107 | 70-130 | 2.23 | 20 | |
| Fluorene | 0.201 | 0.020 | " | 0.200 | ND | 100 | 70-130 | 0.0878 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.196 | 0.020 | " | 0.200 | 0.004 | 96.1 | 70-130 | 2.16 | 20 | |
| Naphthalene | 0.194 | 0.002 | " | 0.200 | ND | 96.9 | 70-130 | 0.600 | 20 | |
| Pyrene | 0.213 | 0.020 | " | 0.200 | 0.002 | 105 | 70-130 | 1.63 | 20 | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 100 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 97.5 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 98.5 | 60-130 | | | |

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control
Origins Laboratory

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

Batch B5D1122 - EPA 3580

Matrix Spike Dup (B5D1122-MSD1)

Source: E5D0298-01

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|---------------------------------|-----|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: Benzo (a) pyrene-d12 | 190 | | ug/kg | 200 | | 97.2 | 60-130 | | | |
|---------------------------------|-----|--|-------|-----|--|------|--------|--|--|--|

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory

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

Batch B5D1132 - EPA 3550B

Blank (B5D1132-BLK1)

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|-----------------------------------|----|------|-------|------|--|------|--------|--|--|----|
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | Ua |
| Surrogate: o-Terphenyl | 23 | | " | 24.9 | | 92.6 | 50-150 | | | |

LCS (B5D1132-BS1)

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 914 | 50.0 | mg/kg | 1000 | | 91.4 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1020 | 200 | " | 1000 | | 102 | 70-130 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 49.8 | | 101 | 50-150 | | | |

Matrix Spike (B5D1132-MS1)

Source: E5D0301-01

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|----|------|--------|--|--|--|
| Diesel (C10-C28) | 886 | 50.0 | mg/kg | 1000 | ND | 88.6 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 1010 | 200 | " | 1000 | ND | 101 | 70-130 | | | |
| Surrogate: o-Terphenyl | 63 | | " | 49.8 | | 127 | 50-150 | | | |

Matrix Spike Dup (B5D1132-MSD1)

Source: E5D0301-01

Prepared: 04/11/2025 Analyzed: 04/11/2025

| | | | | | | | | | | |
|-----------------------------------|------|------|-------|------|----|------|--------|------|----|--|
| Diesel (C10-C28) | 926 | 50.0 | mg/kg | 1000 | ND | 92.6 | 70-130 | 4.46 | 35 | |
| Residual Range Organics (C28-C40) | 1040 | 200 | " | 1000 | ND | 104 | 70-130 | 3.15 | 35 | |
| Surrogate: o-Terphenyl | 59 | | " | 49.8 | | 118 | 50-150 | | | |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

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

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

Batch B5D1052 - EPA 3050B

Blank (B5D1052-BLK1)

Prepared: 04/10/2025 Analyzed: 04/12/2025

| | | | | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.290 | mg/kg | | | | | | | |
| Barium | ND | 10.0 | " | | | | | | | |
| Cadmium | ND | 0.100 | " | | | | | | | |
| Copper | ND | 10.0 | " | | | | | | | |
| Lead | ND | 1.00 | " | | | | | | | |
| Nickel | ND | 1.00 | " | | | | | | | |
| Selenium | ND | 0.260 | " | | | | | | | |
| Silver | ND | 0.100 | " | | | | | | | |
| Zinc | ND | 37.0 | " | | | | | | | |

LCS (B5D1052-BS1)

Prepared: 04/10/2025 Analyzed: 04/12/2025

| | | | | | | | | | | |
|----------|------|-------|-------|------|--|------|--------|--|--|--|
| Arsenic | 4.98 | 0.290 | mg/kg | 5.00 | | 99.5 | 80-120 | | | |
| Barium | 542 | 10.0 | " | 500 | | 108 | 80-120 | | | |
| Cadmium | 4.93 | 0.100 | " | 5.00 | | 98.7 | 80-120 | | | |
| Copper | 50.3 | 10.0 | " | 50.0 | | 101 | 80-120 | | | |
| Lead | 4.98 | 1.00 | " | 5.00 | | 99.7 | 80-120 | | | |
| Nickel | 5.24 | 1.00 | " | 5.00 | | 105 | 80-120 | | | |
| Selenium | 5.15 | 0.260 | " | 5.00 | | 103 | 80-120 | | | |
| Silver | 4.46 | 0.100 | " | 5.00 | | 89.1 | 80-120 | | | |
| Zinc | 52.7 | 37.0 | " | 50.0 | | 105 | 80-120 | | | |

Matrix Spike (B5D1052-MS1)

Source: E5D0302-11

Prepared: 04/10/2025 Analyzed: 04/12/2025

| | | | | | | | | | | |
|---------|------|--------|-------|------|-------|------|--------|--|--|-------|
| Arsenic | 9.43 | 0.259 | mg/kg | 4.46 | 7.84 | 35.8 | 75-125 | | | QM-07 |
| Barium | 634 | 8.93 | " | 446 | 89.6 | 122 | 75-125 | | | |
| Cadmium | 5.07 | 0.0893 | " | 4.46 | 0.150 | 110 | 75-125 | | | |
| Copper | 49.2 | 8.93 | " | 44.6 | 7.89 | 92.6 | 75-125 | | | |
| Lead | 12.4 | 0.893 | " | 4.46 | 6.90 | 123 | 75-125 | | | |

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

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

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

Batch B5D1052 - EPA 3050B

Matrix Spike (B5D1052-MS1)

Source: E5D0302-11

Prepared: 04/10/2025 Analyzed: 04/12/2025

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|--|--|-------|
| Nickel | 15.9 | 0.893 | mg/kg | 4.46 | 9.51 | 142 | 75-125 | | | QM-07 |
| Selenium | 4.68 | 0.232 | " | 4.46 | 0.311 | 97.9 | 75-125 | | | |
| Silver | 3.91 | 0.0893 | " | 4.46 | 0.0129 | 87.4 | 75-125 | | | |
| Zinc | 76.1 | 33.0 | " | 44.6 | 28.8 | 106 | 75-125 | | | |

Matrix Spike Dup (B5D1052-MSD1)

Source: E5D0302-11

Prepared: 04/10/2025 Analyzed: 04/12/2025

| | | | | | | | | | | |
|----------|------|--------|-------|------|--------|------|--------|------|----|---------------|
| Arsenic | 30.2 | 0.262 | mg/kg | 4.52 | 7.84 | 494 | 75-125 | 105 | 20 | QM-07, QR-DUP |
| Barium | 646 | 9.05 | " | 452 | 89.6 | 123 | 75-125 | 1.98 | 20 | |
| Cadmium | 5.43 | 0.0905 | " | 4.52 | 0.150 | 117 | 75-125 | 6.70 | 20 | |
| Copper | 65.7 | 9.05 | " | 45.2 | 7.89 | 128 | 75-125 | 28.6 | 20 | QM-07, QR-DUP |
| Lead | 19.6 | 0.905 | " | 4.52 | 6.90 | 282 | 75-125 | 45.2 | 20 | QM-07, QR-DUP |
| Nickel | 27.8 | 0.905 | " | 4.52 | 9.51 | 405 | 75-125 | 54.9 | 20 | QM-07, QR-DUP |
| Selenium | 6.15 | 0.235 | " | 4.52 | 0.311 | 129 | 75-125 | 27.1 | 20 | QM-07, QR-DUP |
| Silver | 4.21 | 0.0905 | " | 4.52 | 0.0129 | 92.9 | 75-125 | 7.41 | 20 | |
| Zinc | 129 | 33.5 | " | 45.2 | 28.8 | 222 | 75-125 | 51.9 | 20 | QM-07, QR-DUP |

Batch B5E0134 - EPA 3050B

Blank (B5E0134-BLK1)

Prepared: 05/01/2025 Analyzed: 05/02/2025

| | | | | | | | | | | |
|---------|----|-------|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.290 | mg/kg | | | | | | | |
| Barium | ND | 82.0 | " | | | | | | | |
| Cadmium | ND | 0.380 | " | | | | | | | |
| Copper | ND | 46.0 | " | | | | | | | |
| Lead | ND | 14.0 | " | | | | | | | |

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 Wheat Ridge CO 80033

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

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

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

Batch B5E0134 - EPA 3050B

Blank (B5E0134-BLK1)

Prepared: 05/01/2025 Analyzed: 05/02/2025

| | | | | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|
| Nickel | ND | 26.0 | mg/kg | | | | | | | |
| Selenium | ND | 0.260 | " | | | | | | | |
| Silver | ND | 0.800 | " | | | | | | | |
| Zinc | ND | 370 | " | | | | | | | |

LCS (B5E0134-BS1)

Prepared: 05/01/2025 Analyzed: 05/02/2025

| | | | | | | | | | | |
|----------|------|-------|-------|------|--|-----|--------|--|--|--|
| Arsenic | 5.70 | 0.290 | mg/kg | 5.00 | | 114 | 80-120 | | | |
| Barium | 580 | 82.0 | " | 500 | | 116 | 80-120 | | | |
| Cadmium | 5.66 | 0.380 | " | 5.00 | | 113 | 80-120 | | | |
| Copper | 59.4 | 46.0 | " | 50.0 | | 119 | 80-120 | | | |
| Lead | 5.66 | 14.0 | " | 5.00 | | 113 | 80-120 | | | |
| Nickel | 5.92 | 26.0 | " | 5.00 | | 118 | 80-120 | | | |
| Selenium | 5.73 | 0.260 | " | 5.00 | | 115 | 80-120 | | | |
| Silver | 5.60 | 0.800 | " | 5.00 | | 112 | 80-120 | | | |
| Zinc | 59.6 | 370 | " | 50.0 | | 119 | 80-120 | | | |

Matrix Spike (B5E0134-MS1)

Source: E5E0011-07

Prepared: 05/01/2025 Analyzed: 05/02/2025

| | | | | | | | | | | |
|----------|------|-------|-------|------|--------|------|--------|--|--|--|
| Arsenic | 10.0 | 0.264 | mg/kg | 4.55 | 5.00 | 110 | 75-125 | | | |
| Barium | 587 | 74.6 | " | 455 | 97.7 | 108 | 75-125 | | | |
| Cadmium | 5.05 | 0.346 | " | 4.55 | 0.289 | 105 | 75-125 | | | |
| Copper | 73.4 | 41.8 | " | 45.5 | 23.4 | 110 | 75-125 | | | |
| Lead | 16.7 | 12.7 | " | 4.55 | 12.0 | 105 | 75-125 | | | |
| Nickel | 18.5 | 23.6 | " | 4.55 | 14.4 | 90.6 | 75-125 | | | |
| Selenium | 4.96 | 0.236 | " | 4.55 | 0.367 | 101 | 75-125 | | | |
| Silver | 4.74 | 0.727 | " | 4.55 | 0.0650 | 103 | 75-125 | | | |
| Zinc | 126 | 336 | " | 45.5 | 78.9 | 103 | 75-125 | | | |

Matrix Spike Dup (B5E0134-MSD1)

Source: E5E0011-07

Prepared: 05/01/2025 Analyzed: 05/02/2025

Origins Laboratory

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch B5E0134 - EPA 3050B | | | | | | | | | | |
| Arsenic | 10.2 | 0.271 | mg/kg | 4.68 | 5.00 | 110 | 75-125 | 1.48 | 20 | |
| Barium | 619 | 76.7 | " | 468 | 97.7 | 111 | 75-125 | 5.32 | 20 | |
| Cadmium | 5.33 | 0.355 | " | 4.68 | 0.289 | 108 | 75-125 | 5.52 | 20 | |
| Copper | 77.8 | 43.0 | " | 46.8 | 23.4 | 116 | 75-125 | 5.89 | 20 | |
| Lead | 17.2 | 13.1 | " | 4.68 | 12.0 | 112 | 75-125 | 2.68 | 20 | |
| Nickel | 19.4 | 24.3 | " | 4.68 | 14.4 | 108 | 75-125 | 5.03 | 20 | |
| Selenium | 5.30 | 0.243 | " | 4.68 | 0.367 | 105 | 75-125 | 6.60 | 20 | |
| Silver | 5.03 | 0.748 | " | 4.68 | 0.0650 | 106 | 75-125 | 5.90 | 20 | |
| Zinc | 133 | 346 | " | 46.8 | 78.9 | 116 | 75-125 | 5.63 | 20 | |

Batch B5E2055 - EPA 3050B

Blank (B5E2055-BLK1)

Prepared: 05/20/2025 Analyzed: 05/21/2025

| | | | | | | | | | | |
|---------|----|-------|-------|--|--|--|--|--|--|--|
| Barium | ND | 82.0 | mg/kg | | | | | | | |
| Cadmium | ND | 0.380 | " | | | | | | | |
| Lead | ND | 14.0 | " | | | | | | | |

LCS (B5E2055-BS1)

Prepared: 05/20/2025 Analyzed: 05/21/2025

| | | | | | | | | | | |
|---------|------|-------|-------|------|--|-----|--------|--|--|--|
| Barium | 526 | 82.0 | mg/kg | 500 | | 105 | 80-120 | | | |
| Cadmium | 5.98 | 0.380 | " | 5.00 | | 120 | 80-120 | | | |
| Lead | 5.59 | 14.0 | " | 5.00 | | 112 | 80-120 | | | |

Matrix Spike (B5E2055-MS1)

Source: E5E0504-01RE1

Prepared: 05/20/2025 Analyzed: 05/21/2025

| | | | | | | | | | | |
|---------|------|-------|-------|------|-------|------|--------|--|--|-------|
| Barium | 502 | 72.2 | mg/kg | 440 | 60.3 | 100 | 75-125 | | | |
| Cadmium | 5.11 | 0.335 | " | 4.40 | 0.161 | 113 | 75-125 | | | |
| Lead | 13.3 | 12.3 | " | 4.40 | 11.3 | 43.8 | 75-125 | | | QM-07 |

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

Jeremy Espinoza
 Project Number: 09A14171075
 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

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

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

Batch B5E2055 - EPA 3050B

Matrix Spike Dup (B5E2055-MSD1)

Source: E5E0504-01RE1

Prepared: 05/20/2025 Analyzed: 05/21/2025

| | | | | | | | | | | |
|---------|------|-------|-------|------|-------|-----|--------|------|----|------------------|
| Barium | 603 | 71.5 | mg/kg | 436 | 60.3 | 124 | 75-125 | 18.3 | 20 | |
| Cadmium | 5.44 | 0.331 | " | 4.36 | 0.161 | 121 | 75-125 | 6.16 | 20 | |
| Lead | 18.2 | 12.2 | " | 4.36 | 11.3 | 158 | 75-125 | 31.5 | 20 | QM-07, QR-DUP |

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Saturated Paste - Quality Control
Origins Laboratory

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

Batch B5D1519 - Saturated Paste pH/EC

Blank (B5D1519-BLK1)

Prepared: 04/15/2025 Analyzed: 04/17/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5D1519-DUP1)

Source: E5D0288-04

Prepared: 04/15/2025 Analyzed: 04/17/2025

| | | | | | | | | | | |
|---------------------------|------|---------|----------|--|------|--|--|-------|----|--|
| Specific Conductance (EC) | 2.45 | 0.00500 | mmhos/cm | | 2.31 | | | 5.92 | 25 | |
| pH | 7.98 | | pH Units | | 8.03 | | | 0.625 | 25 | |

Batch B5D1521 - Saturated Paste pH/EC

Blank (B5D1521-BLK1)

Prepared: 04/15/2025 Analyzed: 04/17/2025

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B5D1521-DUP1)

Source: E5D0302-09

Prepared: 04/15/2025 Analyzed: 04/17/2025

| | | | | | | | | | | |
|---------------------------|------|---------|----------|--|------|--|--|-------|----|--|
| Specific Conductance (EC) | 7.86 | 0.00500 | mmhos/cm | | 7.55 | | | 3.96 | 25 | |
| pH | 7.95 | | pH Units | | 7.97 | | | 0.251 | 25 | |

Batch B5D1544 - Saturated Paste pH/EC

Duplicate (B5D1544-DUP1)

Source: E5D0285-03

Prepared: 04/15/2025 Analyzed: 04/17/2025

| | | | | | | | | | | |
|----|------|--|----------|--|------|--|--|------|----|--|
| pH | 7.92 | | pH Units | | 8.08 | | | 2.00 | 25 | |
|----|------|--|----------|--|------|--|--|------|----|--|

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 2-32 Flowline

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

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

Batch B5D1124 - EPA 5030 (soil)

Blank (B5D1124-BLK1)

Prepared: 04/11/2025 Analyzed: 04/13/2025

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

| | | | | | | | | | | |
|----------------------------------|------|--|---|-------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 96.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.14 | | " | 0.125 | | 114 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.10 | | " | 0.125 | | 82.8 | 70-130 | | | |

LCS (B5D1124-BS1)

Prepared: 04/11/2025 Analyzed: 04/13/2025

| | | | | | | | | | | |
|------------------------|-------|---------|-------|-------|--|-----|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.112 | 0.00200 | mg/kg | 0.100 | | 112 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.119 | 0.00200 | " | 0.100 | | 119 | 70-130 | | | |
| Benzene | 0.107 | 0.00200 | " | 0.100 | | 107 | 70-130 | | | |
| Ethylbenzene | 0.107 | 0.00200 | " | 0.100 | | 107 | 70-130 | | | |
| Toluene | 0.110 | 0.00200 | " | 0.100 | | 110 | 70-130 | | | |

| | | | | | | | | | | |
|----------------------------------|------|--|---|-------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 99.7 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 96.0 | 70-130 | | | |

Matrix Spike (B5D1124-MS1)

Source: E5D0280-01

Prepared: 04/11/2025 Analyzed: 04/13/2025

| | | | | | | | | | | |
|------------------------|--------|---------|-------|-------|----|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.102 | 0.00200 | mg/kg | 0.100 | ND | 102 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.100 | 0.00200 | " | 0.100 | ND | 100 | 70-130 | | | |
| Benzene | 0.0972 | 0.00200 | " | 0.100 | ND | 97.2 | 70-130 | | | |
| Ethylbenzene | 0.102 | 0.00200 | " | 0.100 | ND | 102 | 70-130 | | | |
| Toluene | 0.104 | 0.00200 | " | 0.100 | ND | 104 | 70-130 | | | |

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Jeremy Espinoza
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 Project: KMG - Karich 2-32A Wellhead & Karich
 2-32 Flowline

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

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

Batch B5D1124 - EPA 5030 (soil)

Matrix Spike (B5D1124-MS1)

Source: E5D0280-01

Prepared: 04/11/2025 Analyzed: 04/13/2025

| | | | | | | | | | | |
|----------------------------------|------|--|-------|-------|--|------|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | mg/kg | 0.125 | | 93.3 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 98.2 | 70-130 | | | |

Matrix Spike Dup (B5D1124-MSD1)

Source: E5D0280-01

Prepared: 04/11/2025 Analyzed: 04/13/2025

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|----|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0894 | 0.00200 | mg/kg | 0.100 | ND | 89.4 | 70-130 | 12.7 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0857 | 0.00200 | " | 0.100 | ND | 85.7 | 70-130 | 15.6 | 20 | |
| Benzene | 0.0878 | 0.00200 | " | 0.100 | ND | 87.8 | 70-130 | 10.2 | 20 | |
| Ethylbenzene | 0.0890 | 0.00200 | " | 0.100 | ND | 89.0 | 70-130 | 13.9 | 20 | |
| Toluene | 0.0908 | 0.00200 | " | 0.100 | ND | 90.8 | 70-130 | 13.2 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.12 | | " | 0.125 | | 95.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 98.4 | 70-130 | | | |

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 2-32 Flowline

Total Metals 7196A - Quality Control
GEL Laboratories, LLC

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|-----------------|-----------|-------------|---|------|-------------|-----|-----------|-------|
| Batch 2785650 - SW846 3060A | | | | | | | | | | |
| BLANK (1206079380-BLK) | | | | | | | | | | |
| | | | | | Prepared: 04/25/2025 Analyzed: 04/25/2025 | | | | | |
| Hexavalent Chromium | ND | 0.382 | mg/kg | | | | | | | U |
| LCS (1206079381-BKS) | | | | | | | | | | |
| | | | | | Prepared: 04/25/2025 Analyzed: 04/25/2025 | | | | | |
| Hexavalent Chromium | 2.18 | 0.216 | mg/kg | 2.16 | | 101 | 80-120 | | | |
| DUP (1206079382 D) | | | | | | | | | | |
| | | | | | Source: 719480010 | | | | | |
| | | | | | Prepared: 04/25/2025 Analyzed: 04/25/2025 | | | | | |
| Hexavalent Chromium | ND | 0.325 | mg/kg dry | | <0.130 | | 0-50 | N/A | 50 | U |
| MS (1206079383 S) | | | | | | | | | | |
| | | | | | Source: 719480010 | | | | | |
| | | | | | Prepared: 04/25/2025 Analyzed: 04/25/2025 | | | | | |
| Hexavalent Chromium | 2.46 | 0.326 | mg/kg dry | 3.26 | <0.130 | 75.3 | 75-125 | | | |
| DUP (1206079384 D) | | | | | | | | | | |
| | | | | | Source: 719486001 | | | | | |
| | | | | | Prepared: 04/25/2025 Analyzed: 04/25/2025 | | | | | |
| Hexavalent Chromium | ND | 0.305 | mg/kg dry | | <0.122 | | 0-50 | N/A | 50 | U |
| MS (1206079385 S) | | | | | | | | | | |
| | | | | | Source: 719486001 | | | | | |
| | | | | | Prepared: 04/25/2025 Analyzed: 04/25/2025 | | | | | |
| Hexavalent Chromium | 2.84 | 0.305 | mg/kg dry | 3.05 | <0.122 | 92.7 | 75-125 | | | |
| ILCS (1206079386-ILCS) | | | | | | | | | | |
| | | | | | Prepared: 04/25/2025 Analyzed: 04/25/2025 | | | | | |
| Hexavalent Chromium | 6.85 | 0.323 | mg/kg | 6.76 | | 101 | 80-120 | | | |

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Notes and Definitions

- Ua Sample is Non-Detect.
 - U Result not detected above the detection limit
 - 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.

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