



Absaroka
Joel Mason
112 High St.

November 11, 2024

Buffalo WY 82834

Project Name - FEO Spicer Annex Confirmation Samples **Project Number - FEO.CO.0701.29**

Attached are your analytical results for FEO Spicer Annex Confirmation Samples received by Origins Laboratory October 15, 2024. This project is associated with Origins project number E410440-01.

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

Absaroka
112 High St.
Buffalo WY 82834

Joel Mason
Project Number: FEO.CO.0701.29
Project: FEO Spicer Annex Confirmation Samples

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|------------------------|------------------|
| SS_S32_15_@5FT | E410440-01 | Soil | October 14, 2024 10:30 | 10/15/2024 13:42 |

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E110440

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page 1 of 1

Client: Absaroka Energy and Environmental Solutions
Address: 112 High St. Buffalo, WY 82834
Telephone Number: 307-262-8975
Email Address: joel.mason@absarokasolutions.com

Project Manager: Joel Mason
Project Name: FEO Spicer Annex Confirmation Samples
Project Number: FEO.CO.0701.29
Samples Collected By: joel.mason@absarokasolutions.com

| Sample ID Description | Date Sampled | Time Sampled | # of Containers | Preservative | | | Matrix | | | Analysis Table 915.1 Parameters (Rush SAR EC, pH to quickest TAT) | Sample Instructions |
|-----------------------|--------------|--------------|-----------------|--------------|-----|------------------|--------|-------------|------|--|---------------------|
| | | | | Unpreserved | HCl | HNO ₃ | Other | Groundwater | Soil | | |
| SS_S32_15_@5ft | 10/14/2024 | 10:30 | 3 | X | | | | | | X | |
| SS_S32_15_@6ft | 10/14/2024 | 10:40 | 3 | X | | | | | | X | |
| SS_S32_15_@7ft | 10/14/2024 | 10:50 | 3 | X | | | | | | X | |
| SS_S32_16_@5ft | 10/14/2024 | 11:00 | 3 | X | | | | | | X | |
| SS_S32_16_@6ft | 10/14/2024 | 11:10 | 3 | X | | | | | | X | |
| SS_S32_16_@7ft | 10/14/2024 | 11:20 | 3 | X | | | | | | X | |
| SS_S32_34_@7ft | 10/14/2024 | 11:30 | 3 | X | | | | | | X | |
| SS_S32_34_@8ft | 10/14/2024 | 11:40 | 3 | X | | | | | | X | |
| SS_S32_34_@9ft | 10/14/2024 | 11:50 | 3 | X | | | | | | X | |

Relinquished By: [Signature] Date: 10/15/24 Time: 8:42
Received By: [Signature] Date: 10/15/24 Time: 13:47
Turnaround Time: Some Day 24 Hr 48 Hr 72 Hr Standard

6 Date Results Needed

Origins Laboratory
Byron

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Buffalo

WY 82834

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Project Number: FEO.CO.0701.29
Project: FEO Spicer Annex Confirmation Samples

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: E410440

Client: Absaroka

Client Project ID: Spicer Annex

Checklist Completed by: JAY KK

Shipped Via: HO

Date/time completed: 10/15/24

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

Airbill #: N/A

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

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

Thermometer ID: 7004

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

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

Reviewed by (Project Manager) JAY

Date/Time Reviewed 10/15/24

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 Project Number: FEO.CO.0701.29
 Project: FEO Spicer Annex Confirmation Samples

SS S32 15 @5FT
10/14/2024 10:30:00AM

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

Origins Laboratory
E410440-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|
| Boron | 0.492 | | 0.100 | mg/L | 1 | B4J1618 | 10/16/2024 | 10/17/2024 | |
|-------|-------|--|-------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|----|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B4J1701 | 10/17/2024 | 10/18/2024 | Ua |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | Ua |

| | | | | | | | | | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: <i>o</i> -Terphenyl | 80.0 % | | 50-150 | | | " | " | " | |
|--------------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|----|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B4J1850 | 10/18/2024 | 10/22/2024 | 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 | 104 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 100 % | | 70-130 | | | " | " | " | |

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SS S32 15 @5FT
10/14/2024 10:30:00AM

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

Origins Laboratory
E410440-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|---------------------------------|-------|--------|--|--|--|-------------|------------|------------|--|
| Surrogate: 4-Bromofluorobenzene | 103 % | 70-130 | | | | B4J18 50 | 10/18/2024 | 10/22/2024 | |
|---------------------------------|-------|--------|--|--|--|-------------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|-------|-------|----|--------|--|------------|------------|--|
| Calcium | ND | 0.499 | meq/L | 10 | [CALC] | | 10/16/2024 | 10/18/2024 | |
| Magnesium | ND | 0.823 | " | " | " | | " | " | |
| Sodium | 6.99 | 0.435 | " | " | " | | " | " | |

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | | |
|-------------------------|----|-------|-------|---|---------|--|------------|------------|----|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | 1 | B4J2141 | | 10/21/2024 | 10/23/2024 | 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 |

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10/14/2024 10:30:00AM

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

Origins Laboratory
E410440-01 (Soil)

PAH by EPA 8270E extracted via 3580A

| | | | | | | | | | |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|----|
| Indeno (1,2,3-cd) pyrene | ND | | 0.020 | mg/kg | 1 | B4J2141 | 10/21/2024 | 10/23/2024 | Ua |
| Naphthalene | ND | | 0.002 | " | " | " | " | " | Ua |
| Pyrene | ND | | 0.020 | " | " | " | " | " | Ua |

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: Fluorene-d10 | 96.2 % | | 60-130 | | | " | " | " | |
| Surrogate: Anthracene-d10 | 98.1 % | | 60-130 | | | " | " | " | |
| Surrogate: Pyrene-d10 | 103 % | | 60-130 | | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 101 % | | 60-130 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.86 | | | pH Units | 1 | B4J1619 | 10/16/2024 | 10/18/2024 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 11.3 | | 0.0100 | SAR | 1 | B4J1609 | 10/16/2024 | 10/18/2024 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.788 | | 0.00500 | mmhos/cm | 1 | B4J1619 | 10/16/2024 | 10/18/2024 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|------|--|-------|-------|----|---------|------------|------------|--|
| Arsenic | 1.74 | | 0.286 | mg/kg | 10 | B4J1642 | 10/16/2024 | 10/17/2024 | |
|---------|------|--|-------|-------|----|---------|------------|------------|--|

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SS S32 15 @5FT
10/14/2024 10:30:00AM

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

Origins Laboratory
E410440-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|-------|--|--------|-------|----|---------|------------|------------|--|
| Barium | 177 | | 9.87 | mg/kg | 10 | B4J1642 | 10/16/2024 | 10/17/2024 | |
| Cadmium | 0.122 | | 0.0987 | " | " | " | " | " | |
| Copper | 20.9 | | 9.87 | " | " | " | " | " | |
| Lead | 8.78 | | 0.987 | " | " | " | " | " | |
| Nickel | 23.1 | | 0.987 | " | " | " | " | " | |
| Selenium | ND | | 0.257 | " | " | " | " | " | |
| Silver | ND | | 0.0987 | " | " | " | " | " | |
| Zinc | 63.7 | | 36.5 | " | " | " | " | " | |

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.149 | 0.374 | mg/kg dry | 1 | 2689108 | 11/05/2024 | 11/06/2024 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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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 B4J1701 - EPA 3550B | | | | | | | | | | |
| Blank (B4J1701-BLK1) | | | | | Prepared: 10/17/2024 Analyzed: 10/18/2024 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | Ua |
| Surrogate: o-Terphenyl | 21 | | " | 24.9 | | 84.9 | 50-150 | | | |

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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 B4J1701 - EPA 3550B

LCS (B4J1701-BS1)

Prepared: 10/17/2024 Analyzed: 10/18/2024

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 762 | 50.0 | mg/kg | 1000 | | 76.2 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 866 | 200 | " | 1000 | | 86.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 39 | | " | 49.8 | | 78.6 | 50-150 | | | |

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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 B4J1701 - EPA 3550B | | | | | | | | | | |
| Matrix Spike (B4J1701-MS1) | | Source: E410404-01 | | | Prepared: 10/17/2024 Analyzed: 10/18/2024 | | | | | |
| Diesel (C10-C28) | 786 | 50.0 | mg/kg | 1000 | ND | 78.6 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 902 | 200 | " | 1000 | ND | 90.2 | 70-130 | | | |
| Surrogate: o-Terphenyl | 45 | | " | 49.8 | | 91.4 | 50-150 | | | |

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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 B4J1701 - EPA 3550B

| Matrix Spike Dup (B4J1701-MSD1) | Source: E410404-01 | | | Prepared: 10/17/2024 Analyzed: 10/18/2024 | | | | | | |
|--|---------------------------|------|-------|--|----|------|--------|-------|----|--|
| Diesel (C10-C28) | 768 | 50.0 | mg/kg | 1000 | ND | 76.8 | 70-130 | 2.34 | 35 | |
| Residual Range Organics (C28-C40) | 894 | 200 | " | 1000 | ND | 89.4 | 70-130 | 0.890 | 35 | |
| Surrogate: o-Terphenyl | 44 | | " | 49.8 | | 88.5 | 50-150 | | | |

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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 B4J1850 - EPA 5030 (soil)

Blank (B4J1850-BLK1)

Prepared: 10/18/2024 Analyzed: 10/22/2024

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|----|
| 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 |
| Naphthalene | ND | 0.00380 | " | | | | | | | Ua |
| Toluene | ND | 0.00200 | " | | | | | | | Ua |
| Xylenes, total | ND | 0.00200 | " | | | | | | | Ua |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | Ua |
| Surrogate: 1,2-Dichloroethane-d4 | 0.10 | | " | 0.125 | 80.9 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | 98.8 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | 105 | | 70-130 | | | |

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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 B4J1850 - EPA 5030 (soil)

LCS (B4J1850-BS1)

Prepared: 10/18/2024 Analyzed: 10/22/2024

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0856 | 0.00200 | mg/kg | 0.100 | | 85.6 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0906 | 0.00200 | " | 0.100 | | 90.6 | 70-130 | | | |
| Benzene | 0.0865 | 0.00200 | " | 0.100 | | 86.5 | 70-130 | | | |
| Ethylbenzene | 0.0887 | 0.00200 | " | 0.100 | | 88.7 | 70-130 | | | |
| Naphthalene | 0.0919 | 0.00380 | " | 0.100 | | 91.9 | 70-130 | | | |
| Toluene | 0.0849 | 0.00200 | " | 0.100 | | 84.9 | 70-130 | | | |
| o-Xylene | 0.0838 | 0.00200 | " | 0.100 | | 83.8 | 70-130 | | | |
| m,p-Xylene | 0.171 | 0.00400 | " | 0.200 | | 85.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 107 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 96.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 97.8 | 70-130 | | | |

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Absaroka
112 High St.
Buffalo WY 82834

Joel Mason
Project Number: FEO.CO.0701.29
Project: FEO Spicer Annex Confirmation Samples

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 B4J1850 - EPA 5030 (soil)

| Matrix Spike (B4J1850-MS1) | Source: E410440-01 | | | Prepared: 10/18/2024 Analyzed: 10/22/2024 | | | | | | |
|-----------------------------------|---------------------------|---------|-------|--|----|------|--------|--|--|-------|
| 1,2,4-Trimethylbenzene | 0.0847 | 0.00200 | mg/kg | 0.100 | ND | 84.7 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0850 | 0.00200 | " | 0.100 | ND | 85.0 | 70-130 | | | |
| Benzene | 0.0785 | 0.00200 | " | 0.100 | ND | 78.5 | 70-130 | | | |
| Ethylbenzene | 0.0873 | 0.00200 | " | 0.100 | ND | 87.3 | 70-130 | | | |
| Naphthalene | 0.0658 | 0.00380 | " | 0.100 | ND | 65.8 | 70-130 | | | QM-07 |
| Toluene | 0.0806 | 0.00200 | " | 0.100 | ND | 80.6 | 70-130 | | | |
| o-Xylene | 0.0849 | 0.00200 | " | 0.100 | ND | 84.9 | 70-130 | | | |
| m,p-Xylene | 0.171 | 0.00400 | " | 0.200 | ND | 85.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.097 | | " | 0.125 | | 77.5 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |

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Joel Mason
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 Project: FEO Spicer Annex Confirmation Samples

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 B4J1850 - EPA 5030 (soil)

| Matrix Spike Dup (B4J1850-MSD1) | Source: E410440-01 | | | Prepared: 10/18/2024 Analyzed: 10/22/2024 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|-------|----|--|
| 1,2,4-Trimethylbenzene | 0.0828 | 0.00200 | mg/kg | 0.100 | ND | 82.8 | 70-130 | 2.24 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0818 | 0.00200 | " | 0.100 | ND | 81.8 | 70-130 | 3.77 | 20 | |
| Benzene | 0.0782 | 0.00200 | " | 0.100 | ND | 78.2 | 70-130 | 0.383 | 20 | |
| Ethylbenzene | 0.0822 | 0.00200 | " | 0.100 | ND | 82.2 | 70-130 | 6.04 | 20 | |
| Naphthalene | 0.0805 | 0.00380 | " | 0.100 | ND | 80.5 | 70-130 | 20.0 | 20 | |
| Toluene | 0.0773 | 0.00200 | " | 0.100 | ND | 77.3 | 70-130 | 4.18 | 20 | |
| o-Xylene | 0.0826 | 0.00200 | " | 0.100 | ND | 82.6 | 70-130 | 2.72 | 20 | |
| m,p-Xylene | 0.164 | 0.00400 | " | 0.200 | ND | 82.2 | 70-130 | 4.12 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.11 | | " | 0.125 | | 92.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 93.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |

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Joel Mason
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 Project: FEO Spicer Annex Confirmation Samples

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

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 B4J1642 - EPA 3050B

Blank (B4J1642-BLK1)

Prepared: 10/16/2024 Analyzed: 10/17/2024

| | | | |
|----------|----|-------|-------|
| 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 (B4J1642-BS1)

Prepared: 10/16/2024 Analyzed: 10/17/2024

| | | | | | | |
|----------|------|-------|-------|------|------|--------|
| Arsenic | 4.90 | 0.290 | mg/kg | 5.00 | 98.0 | 80-120 |
| Barium | 517 | 10.0 | " | 500 | 103 | 80-120 |
| Cadmium | 5.19 | 0.100 | " | 5.00 | 104 | 80-120 |
| Copper | 52.2 | 10.0 | " | 50.0 | 104 | 80-120 |
| Lead | 5.07 | 1.00 | " | 5.00 | 101 | 80-120 |
| Nickel | 5.26 | 1.00 | " | 5.00 | 105 | 80-120 |
| Selenium | 5.04 | 0.260 | " | 5.00 | 101 | 80-120 |
| Silver | 5.27 | 0.100 | " | 5.00 | 105 | 80-120 |
| Zinc | 51.9 | 37.0 | " | 50.0 | 104 | 80-120 |

Matrix Spike (B4J1642-MS1)

Source: E410440-01

Prepared: 10/16/2024 Analyzed: 10/17/2024

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 Project: FEO Spicer Annex Confirmation Samples

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 B4J1642 - EPA 3050B

| Matrix Spike (B4J1642-MS1) | Source: E410440-01 | | | Prepared: 10/16/2024 Analyzed: 10/17/2024 | | | | | | |
|-----------------------------------|---------------------------|--------|-------|--|--------|------|--------|--|--|--|
| Arsenic | 6.64 | 0.283 | mg/kg | 4.88 | 1.74 | 101 | 75-125 | | | |
| Barium | 760 | 9.75 | " | 488 | 177 | 119 | 75-125 | | | |
| Cadmium | 5.19 | 0.0975 | " | 4.88 | 0.122 | 104 | 75-125 | | | |
| Copper | 70.3 | 9.75 | " | 48.8 | 20.9 | 101 | 75-125 | | | |
| Lead | 13.3 | 0.975 | " | 4.88 | 8.78 | 92.5 | 75-125 | | | |
| Nickel | 28.0 | 0.975 | " | 4.88 | 23.1 | 100 | 75-125 | | | |
| Selenium | 4.97 | 0.254 | " | 4.88 | 0.121 | 99.5 | 75-125 | | | |
| Silver | 5.08 | 0.0975 | " | 4.88 | 0.0395 | 103 | 75-125 | | | |
| Zinc | 114 | 36.1 | " | 48.8 | 63.7 | 103 | 75-125 | | | |

| Matrix Spike Dup (B4J1642-MSD1) | Source: E410440-01 | | | Prepared: 10/16/2024 Analyzed: 10/17/2024 | | | | | | |
|--|---------------------------|--------|-------|--|--------|------|--------|------|----|-------|
| Arsenic | 6.26 | 0.269 | mg/kg | 4.64 | 1.74 | 97.5 | 75-125 | 5.88 | 20 | |
| Barium | 694 | 9.28 | " | 464 | 177 | 111 | 75-125 | 9.07 | 20 | |
| Cadmium | 5.00 | 0.0928 | " | 4.64 | 0.122 | 105 | 75-125 | 3.77 | 20 | |
| Copper | 68.8 | 9.28 | " | 46.4 | 20.9 | 103 | 75-125 | 2.11 | 20 | |
| Lead | 13.9 | 0.928 | " | 4.64 | 8.78 | 110 | 75-125 | 4.42 | 20 | |
| Nickel | 29.4 | 0.928 | " | 4.64 | 23.1 | 136 | 75-125 | 4.85 | 20 | QM-07 |
| Selenium | 4.64 | 0.241 | " | 4.64 | 0.121 | 97.4 | 75-125 | 6.88 | 20 | |
| Silver | 4.96 | 0.0928 | " | 4.64 | 0.0395 | 106 | 75-125 | 2.43 | 20 | |
| Zinc | 112 | 34.3 | " | 46.4 | 63.7 | 105 | 75-125 | 1.56 | 20 | |

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Joel Mason
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 Project: FEO Spicer Annex Confirmation Samples

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 B4J2141 - EPA 3580

Blank (B4J2141-BLK1)

Prepared: 10/21/2024 Analyzed: 10/23/2024

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|----|
| 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 (g,h,i) perylene | 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 |
| Phenanthrene | ND | 0.020 | " | | | | | | | Ua |
| Pyrene | ND | 0.020 | " | | | | | | | Ua |
| <hr/> | | | | | | | | | | |
| Surrogate: Fluorene-d10 | 190 | | ug/kg | 200 | | 94.5 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.7 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 220 | | " | 200 | | 109 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 106 | 60-130 | | | |

LCS (B4J2141-BS1)

Prepared: 10/21/2024 Analyzed: 10/23/2024

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.190 | 0.002 | mg/kg | 0.200 | | 95.2 | 70-130 | | | |
| 2-Methylnaphthalene | 0.191 | 0.002 | " | 0.200 | | 95.3 | 70-130 | | | |
| Acenaphthene | 0.188 | 0.020 | " | 0.200 | | 94.2 | 70-130 | | | |
| Anthracene | 0.197 | 0.020 | " | 0.200 | | 98.4 | 70-130 | | | |

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Joel Mason
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Project: FEO Spicer Annex Confirmation Samples

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 B4J2141 - EPA 3580

LCS (B4J2141-BS1)

Prepared: 10/21/2024 Analyzed: 10/23/2024

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| Benzo (a) anthracene | 0.194 | 0.005 | mg/kg | 0.200 | | 96.9 | 70-130 | | | |
| Benzo (a) pyrene | 0.200 | 0.020 | " | 0.200 | | 100 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.189 | 0.020 | " | 0.200 | | 94.4 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.189 | 0.020 | " | 0.200 | | 94.4 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.201 | 0.020 | " | 0.200 | | 101 | 70-130 | | | |
| Chrysene | 0.188 | 0.020 | " | 0.200 | | 94.1 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.186 | 0.020 | " | 0.200 | | 93.1 | 70-130 | | | |
| Fluoranthene | 0.155 | 0.020 | " | 0.200 | | 77.5 | 70-130 | | | |
| Fluorene | 0.178 | 0.020 | " | 0.200 | | 88.8 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.222 | 0.020 | " | 0.200 | | 111 | 70-130 | | | |
| Naphthalene | 0.193 | 0.002 | " | 0.200 | | 96.3 | 70-130 | | | |
| Phenanthrene | 0.194 | 0.020 | " | 0.200 | | 97.1 | 70-130 | | | |
| Pyrene | 0.221 | 0.020 | " | 0.200 | | 110 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 190 | | ug/kg | 200 | | 94.4 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.4 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 230 | | " | 200 | | 116 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 220 | | " | 200 | | 108 | 60-130 | | | |

Matrix Spike (B4J2141-MS1)

Source: E410404-01

Prepared: 10/21/2024 Analyzed: 10/23/2024

| | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|--------|-----|--------|--|--|--|
| 1-Methylnaphthalene | 0.227 | 0.002 | mg/kg | 0.200 | ND | 114 | 70-130 | | | |
| 2-Methylnaphthalene | 0.227 | 0.002 | " | 0.200 | ND | 113 | 70-130 | | | |
| Acenaphthene | 0.223 | 0.020 | " | 0.200 | ND | 111 | 70-130 | | | |
| Anthracene | 0.229 | 0.020 | " | 0.200 | ND | 114 | 70-130 | | | |
| Benzo (a) anthracene | 0.231 | 0.005 | " | 0.200 | ND | 116 | 70-130 | | | |
| Benzo (a) pyrene | 0.232 | 0.020 | " | 0.200 | 0.002 | 115 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.223 | 0.020 | " | 0.200 | ND | 112 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.213 | 0.020 | " | 0.200 | 0.0003 | 107 | 70-130 | | | |

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Joel Mason
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Project: FEO Spicer Annex Confirmation Samples

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 B4J2141 - EPA 3580

| Matrix Spike (B4J2141-MS1) | Source: E410404-01 | | | Prepared: 10/21/2024 Analyzed: 10/23/2024 | | | | | | |
|-----------------------------------|---------------------------|-------|-------|--|--------|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.233 | 0.020 | mg/kg | 0.200 | ND | 116 | 70-130 | | | |
| Chrysene | 0.222 | 0.020 | " | 0.200 | 0.0004 | 111 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.229 | 0.020 | " | 0.200 | ND | 114 | 70-130 | | | |
| Fluoranthene | 0.224 | 0.020 | " | 0.200 | ND | 112 | 70-130 | | | |
| Fluorene | 0.222 | 0.020 | " | 0.200 | 0.001 | 110 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.219 | 0.020 | " | 0.200 | ND | 110 | 70-130 | | | |
| Naphthalene | 0.226 | 0.002 | " | 0.200 | ND | 113 | 70-130 | | | |
| Phenanthrene | 0.226 | 0.020 | " | 0.200 | ND | 113 | 70-130 | | | |
| Pyrene | 0.223 | 0.020 | " | 0.200 | 0.0006 | 111 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 98.7 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 98.9 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.5 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 101 | 60-130 | | | |

| Matrix Spike Dup (B4J2141-MSD1) | Source: E410404-01 | | | Prepared: 10/21/2024 Analyzed: 10/23/2024 | | | | | | |
|--|---------------------------|-------|-------|--|--------|-----|--------|-------|----|--|
| 1-Methylnaphthalene | 0.219 | 0.002 | mg/kg | 0.200 | ND | 109 | 70-130 | 3.86 | 20 | |
| 2-Methylnaphthalene | 0.218 | 0.002 | " | 0.200 | ND | 109 | 70-130 | 3.86 | 20 | |
| Acenaphthene | 0.214 | 0.020 | " | 0.200 | ND | 107 | 70-130 | 3.74 | 20 | |
| Anthracene | 0.220 | 0.020 | " | 0.200 | ND | 110 | 70-130 | 3.78 | 20 | |
| Benzo (a) anthracene | 0.216 | 0.005 | " | 0.200 | ND | 108 | 70-130 | 6.59 | 20 | |
| Benzo (a) pyrene | 0.218 | 0.020 | " | 0.200 | 0.002 | 108 | 70-130 | 5.93 | 20 | |
| Benzo (b) fluoranthene | 0.223 | 0.020 | " | 0.200 | ND | 112 | 70-130 | 0.155 | 20 | |
| Benzo (g,h,i) perylene | 0.211 | 0.020 | " | 0.200 | 0.0003 | 105 | 70-130 | 1.34 | 20 | |
| Benzo (k) fluoranthene | 0.234 | 0.020 | " | 0.200 | ND | 117 | 70-130 | 0.437 | 20 | |
| Chrysene | 0.210 | 0.020 | " | 0.200 | 0.0004 | 105 | 70-130 | 5.73 | 20 | |
| Dibenz (a,h) anthracene | 0.221 | 0.020 | " | 0.200 | ND | 110 | 70-130 | 3.70 | 20 | |
| Fluoranthene | 0.216 | 0.020 | " | 0.200 | ND | 108 | 70-130 | 3.34 | 20 | |

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Joel Mason
 Project Number: FEO.CO.0701.29
 Project: FEO Spicer Annex Confirmation Samples

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 B4J2141 - EPA 3580

| Matrix Spike Dup (B4J2141-MSD1) | Source: E410404-01 | | | Prepared: 10/21/2024 Analyzed: 10/23/2024 | | | | | | |
|--|---------------------------|-------|-------|--|--------|------|--------|------|----|--|
| Fluorene | 0.212 | 0.020 | mg/kg | 0.200 | 0.001 | 106 | 70-130 | 4.33 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.217 | 0.020 | " | 0.200 | ND | 108 | 70-130 | 1.08 | 20 | |
| Naphthalene | 0.216 | 0.002 | " | 0.200 | ND | 108 | 70-130 | 4.75 | 20 | |
| Phenanthrene | 0.217 | 0.020 | " | 0.200 | ND | 109 | 70-130 | 3.81 | 20 | |
| Pyrene | 0.213 | 0.020 | " | 0.200 | 0.0006 | 106 | 70-130 | 4.73 | 20 | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 99.0 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 99.0 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.0 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 104 | 60-130 | | | |

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Joel Mason
 Project Number: FEO.CO.0701.29
 Project: FEO Spicer Annex Confirmation Samples

Classical Chemistry Parameters - Quality Control
Origins Laboratory

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

Batch B4J1609 - Saturated Paste Metals

Blank (B4J1609-BLK1)

Prepared: 10/16/2024 Analyzed: 10/18/2024

| | | | |
|---------------|----|--------|------|
| SAR | ND | 0.0100 | SAR |
| Calcium PPM | ND | 10.0 | mg/L |
| Magnesium PPM | ND | 10.0 | " |
| Sodium PPM | ND | 10.0 | " |

Duplicate (B4J1609-DUP1)

Source: E410437-01

Prepared: 10/16/2024 Analyzed: 10/18/2024

| | | | | | | | | |
|---------------|------|--------|------|-------|--|--|-------|-----|
| SAR | ND | 0.0100 | SAR | 0.732 | | | | 200 |
| Calcium PPM | 3.82 | 10.0 | mg/L | 3.63 | | | 5.10 | 50 |
| Magnesium PPM | 1.96 | 10.0 | " | 1.38 | | | 34.7 | 50 |
| Sodium PPM | 6.40 | 10.0 | " | 6.46 | | | 0.933 | 50 |

Batch B4J1618 - DTPA Sorbitol Preparation

Blank (B4J1618-BLK1)

Prepared: 10/16/2024 Analyzed: 10/17/2024

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

Duplicate (B4J1618-DUP1)

Source: E410433-01

Prepared: 10/16/2024 Analyzed: 10/17/2024

| | | | | | | | | |
|-------|-------|-------|------|-------|--|--|------|----|
| Boron | 0.143 | 0.101 | mg/L | 0.136 | | | 5.06 | 50 |
|-------|-------|-------|------|-------|--|--|------|----|

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Absaroka
 112 High St.
 Buffalo WY 82834

Joel Mason
 Project Number: FEO.CO.0701.29
 Project: FEO Spicer Annex Confirmation Samples

Saturated Paste - Quality Control
Origins Laboratory

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

Batch B4J1619 - Saturated Paste pH/EC

Blank (B4J1619-BLK1)

Prepared: 10/16/2024 Analyzed: 10/18/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4J1619-DUP1)

Source: E410437-01

Prepared: 10/16/2024 Analyzed: 10/18/2024

| | | | | | | |
|---------------------------|-------|---------|----------|-------|-------|----|
| Specific Conductance (EC) | 0.106 | 0.00500 | mmhos/cm | 0.107 | 0.376 | 25 |
| pH | 7.92 | | pH Units | 7.88 | 0.506 | 25 |

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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 2689108 - SW846 3060A | | | | | | | | | | |
| BLANK (1205888911-BLK) | | | | | Prepared: 11/05/2024 Analyzed: 11/06/2024 | | | | | |
| Hexavalent Chromium | ND | 0.376 | mg/kg | | | | - | | | U |
| LCS (1205888912-BKS) | | | | | Prepared: 11/05/2024 Analyzed: 11/06/2024 | | | | | |
| Hexavalent Chromium | 3.95 | 0.397 | mg/kg | 3.97 | | 99.3 | 80-120 | | | |
| DUP (1205888913 D) | | | | | Source: 690226001 Prepared: 11/05/2024 Analyzed: 11/06/2024 | | | | | |
| Hexavalent Chromium | ND | 0.244 | mg/kg dry | | <0.0978 | | 0-50 | N/A | 50 | U |
| MS (1205888914 S) | | | | | Source: 690226001 Prepared: 11/05/2024 Analyzed: 11/06/2024 | | | | | |
| Hexavalent Chromium | 2.18 | 0.244 | mg/kg dry | 2.44 | <0.0978 | 87.3 | 75-125 | | | |
| DUP (1205888915 D) | | | | | Source: 690226002 Prepared: 11/05/2024 Analyzed: 11/06/2024 | | | | | |
| Hexavalent Chromium | ND | 0.312 | mg/kg dry | | <0.125 | | 0-50 | N/A | 50 | U |
| MS (1205888916 S) | | | | | Source: 690226002 Prepared: 11/05/2024 Analyzed: 11/06/2024 | | | | | |
| Hexavalent Chromium | 2.02 | 0.312 | mg/kg dry | 3.12 | <0.125 | 64.6 | 75-125 | | | |
| ILCS (1205888917-ILCS) | | | | | Prepared: 11/05/2024 Analyzed: 11/06/2024 | | | | | |
| Hexavalent Chromium | 7.53 | 0.364 | mg/kg | 7.33 | | 103 | 80-120 | | | |

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Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

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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Jordan A. Bynon, Project Manager