

August 08, 2024

Quandary Consultants

Mike Dinkel

2252 Emerson St.

Denver CO 80205

**Project Name - Goodin 15N 16N-B6HZFACBTI
Illegal Dump**

Project Number - [none]

Attached are your analytical results for Goodin 15N 16N-B6HZFACBTI Illegal Dump received by Origins Laboratory, Inc. July 10, 2024. This project is associated with Origins project number Y407255-01.

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

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

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

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

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

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



Quandary Consultants
2252 Emerson St.
Denver CO 80205

Mike Dinkel
Project Number: [none]
Project: Goodin 15N 16N-B6HZFACBTI Illegal
Dump

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|---------------------|------------------|
| SS01 | Y407255-01 | Soil | July 10, 2024 12:35 | 07/10/2024 14:15 |
| BG01 | Y407255-02 | Soil | July 10, 2024 12:50 | 07/10/2024 14:15 |

Origins Laboratory, Inc.



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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

Page 1 of 1

ORIGINS WORK ORDER #
4407255

ORIGINS
 LABORATORY INC

Client: Leor McQue Enshore Oil and Gas
 Address: 501 N Division Platteville CO

Project Manager: Mike Dinkel
 Project Name: Goodin 15N 16N-B6HZFACBTI
 Project Number: Illegal dump
 Key: W=Water
 GW=Groundwater
 SW=Surface Water
 WW=Waste Water
 L=Liquid

Telephone Number: (785) 691-7786
 Email Address: mdinkel@quandaryconsultants.com
Samples@quandaryconsultants.com

Collected By: Ruthin Henry
 Invoice/Billing Info: Taylor Boyde
 HCL=Hydrochloric | HNO3=Nitric | H2SO4=Sulfuric | NaOH=Sodium Hydroxide

| # | Sample ID | Date Sampled | Time Sampled | # of Containers | Matrix | Preservative | Analysis | | Comments |
|----|-----------|--------------|--------------|-----------------|--------|--------------|----------|------|----------|
| | | | | | | | 7151 | 7151 | |
| 1 | B501 | 7/10/24 | 12:35 | 2 | | | X | | |
| 2 | B601 | | 12:50 | 1 | | | X | | |
| 3 | B602 | | 12:52 | | | | | | |
| 4 | B603 | | 12:54 | | | | | | |
| 5 | B604 | | 12:57 | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |

Relinquished By: Ruthin Henry Date: 7/10/24 Time: 1415
 Relinquished By: _____ Date: _____ Time: _____
 Received By: [Signature] Date: 7/10/24 Time: 1415
 Received By: _____ Date: _____ Time: _____
 Turnaround Time: SAME DAY 24 Hr 48 Hr 72 Hr
 Standard
 Temp Received: LT Received On Ice? Yes No

For Lab Sample Receiving Only:
 1725 Elk Place Denver, Co. 80211 | # 303.433.1322 | originslab.com

Origins Laboratory, Inc.

J. Bynon

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

Sample Receipt Checklist

Origins Work Order: 4407255 Client: Quandary
 Checklist Completed by: EHD Client Project ID: Goodin
 Date/time completed: 7/10/24 Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 4.5 °C / _____ °C / _____ °C (Describe) _____ °C
 Thermometer ID: 1005

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

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

Reviewed By: [Signature] (Project Manager) Date/Time Reviewed: 7/12/24

Origins Laboratory, Inc.

[Signature]

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

SS01

7/10/2024 12:35:00PM

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

Origins Laboratory, Inc.
Y407255-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|----|--|--------|------|---|---------|------------|------------|--|
| Boron | ND | | 0.0997 | mg/L | 1 | B4G1116 | 07/11/2024 | 07/12/2024 | |
|-------|----|--|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|------|--|-----|-------|----|---------|------------|------------|--|
| Diesel (C10-C28) | 9420 | | 250 | mg/kg | 10 | B4G1101 | 07/11/2024 | 07/12/2024 | |
| Residual Range Organics (C28-C40) | 2620 | | 100 | " | 1 | " | " | 07/11/2024 | |

| | | | | | | | | | |
|------------------------|-------|--|--------|--|--|---|---|--------------|--|
| Surrogate: o-Terphenyl | 101 % | | 50-150 | | | " | " | 07/12/2024#a | |
|------------------------|-------|--|--------|--|--|---|---|--------------|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|-------|--|---------|-------|-----|---------|------------|------------|--|
| 1,2,4-Trimethylbenzene | 37.4 | | 0.500 | mg/kg | 250 | B4G1046 | 07/10/2024 | 07/14/2024 | |
| 1,3,5-Trimethylbenzene | 5.93 | | 0.0500 | " | 25 | " | " | 07/12/2024 | |
| Benzene | 0.330 | | 0.00200 | " | 1 | " | " | 07/12/2024 | |
| Ethylbenzene | 2.85 | | 0.0500 | " | 25 | " | " | 07/12/2024 | |
| Toluene | 6.56 | | 0.0500 | " | " | " | " | " | |
| Xylenes, total | 26.1 | | 0.0500 | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 2380 | | 50.0 | " | 250 | " | " | 07/14/2024 | |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|------------|--|
| Surrogate: 1,2-Dichloroethane-d4 | 105 % | | 70-130 | | | " | " | 07/12/2024 | |
| Surrogate: Toluene-d8 | 122 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 99.6 % | | 70-130 | | | " | " | " | |

Origins Laboratory, Inc.



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 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

SS01

7/10/2024 12:35:00PM

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

Origins Laboratory, Inc.
Y407255-01 (Soil)

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.02 | | 0.499 | meq/L | 10 | [CALC] | 07/11/2024 | 07/12/2024 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 0.535 | | 0.435 | " | " | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|--------|--|--------|-------|-----|---------|------------|------------|----------|
| 1-Methylnaphthalene | 19.1 | | 0.200 | mg/kg | 100 | B4G1227 | 07/12/2024 | 07/14/2024 | |
| 2-Methylnaphthalene | 33.7 | | 0.200 | " | " | " | " | " | |
| Acenaphthene | 3.87 | | 0.200 | " | 10 | " | " | 07/13/2024 | |
| Anthracene | ND | | 0.200 | " | " | " | " | " | R-05, Ua |
| Benzo (a) anthracene | ND | | 0.050 | " | " | " | " | " | R-05, Ua |
| Benzo (a) pyrene | ND | | 0.200 | " | " | " | " | " | R-05, Ua |
| Benzo (b) fluoranthene | ND | | 0.200 | " | " | " | " | " | R-05, Ua |
| Benzo (k) fluoranthene | ND | | 0.200 | " | " | " | " | " | R-05, Ua |
| Chrysene | 0.457 | | 0.200 | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | | 0.200 | " | " | " | " | " | R-05, Ua |
| Fluoranthene | ND | | 0.200 | " | " | " | " | " | R-05, Ua |
| Fluorene | 4.40 | | 0.200 | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | | 0.200 | " | " | " | " | " | R-05, Ua |
| Naphthalene | 6.46 | | 0.020 | " | " | " | " | " | |
| Pyrene | 0.225 | | 0.200 | " | " | " | " | " | |
| Surrogate: Fluorene-d10 | 98.4 % | | 60-130 | | | " | " | " | |

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 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

SS01

7/10/2024 12:35:00PM

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

Origins Laboratory, Inc.
Y407255-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Anthracene-d10 | 94.3 % | | 60-130 | | | B4G12 27 | 07/12/2024 | 07/13/2024 | |
| Surrogate: Pyrene-d10 | 87.6 % | | 60-130 | | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 102 % | | 60-130 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 7.04 | | | pH Units | 1 | B4G1122 | 07/11/2024 | 07/12/2024 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 0.658 | | 0.0100 | SAR | 1 | B4G1111 | 07/11/2024 | 07/12/2024 | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.270 | | 0.00500 | mmhos/cm | 1 | B4G1122 | 07/11/2024 | 07/12/2024 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 2.34 | | 0.278 | mg/kg | 10 | B4G1105 | 07/11/2024 | 07/13/2024 | |
| Barium | 151 | | 9.58 | " | " | " | " | " | |
| Cadmium | ND | | 0.0958 | " | " | " | " | " | |
| Copper | ND | | 9.58 | " | " | " | " | " | |
| Lead | 5.01 | | 0.958 | " | " | " | " | " | |
| Nickel | 5.24 | | 0.958 | " | " | " | " | " | |
| Selenium | ND | | 0.249 | " | " | " | " | " | |

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2252 Emerson St.
Denver CO 80205

Mike Dinkel
Project Number: [none]
Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

SS01

7/10/2024 12:35:00PM

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

Origins Laboratory, Inc.
Y407255-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|--------|----|--|--------|-------|----|---------|------------|------------|--|
| Silver | ND | | 0.0958 | mg/kg | 10 | B4G1105 | 07/11/2024 | 07/13/2024 | |
| Zinc | ND | | 35.5 | " | " | " | " | " | |

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.130 | 0.326 | mg/kg dry | 1 | 2649516 | 08/05/2024 | 08/07/2024 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

BG01

7/10/2024 12:50:00PM

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

Origins Laboratory, Inc.
Y407255-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.448 | | 0.0998 | mg/L | 1 | B4G1116 | 07/11/2024 | 07/12/2024 | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 4.53 | | 0.499 | meq/L | 10 | [CALC] | 07/11/2024 | 07/12/2024 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 0.447 | | 0.435 | " | " | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.20 | | | pH Units | 1 | B4G1122 | 07/11/2024 | 07/12/2024 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 0.280 | | 0.0100 | SAR | 1 | B4G1111 | 07/11/2024 | 07/12/2024 | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.600 | | 0.00500 | mmhos/cm | 1 | B4G1122 | 07/11/2024 | 07/12/2024 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|---------|-------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 4.01 | | 0.254 | mg/kg | 10 | B4G1105 | 07/11/2024 | 07/13/2024 | |
| Barium | 10100 | | 8.77 | " | " | " | " | " | |
| Cadmium | 0.918 | | 0.0877 | " | " | " | " | " | |
| Copper | 11.3 | | 8.77 | " | " | " | " | " | |

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 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

BG01

7/10/2024 12:50:00PM

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

Origins Laboratory, Inc.
Y407255-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|------|--|--------|-------|----|---------|------------|------------|--|
| Lead | 8.02 | | 0.877 | mg/kg | 10 | B4G1105 | 07/11/2024 | 07/13/2024 | |
| Nickel | 12.2 | | 0.877 | " | " | " | " | " | |
| Selenium | 1.10 | | 0.228 | " | " | " | " | " | |
| Silver | ND | | 0.0877 | " | " | " | " | " | |
| Zinc | 65.1 | | 32.5 | " | " | " | " | " | |

Total Metals 7196A

| | | | | | | | | | |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|
| Hexavalent Chromium | ND | 0.174 | 0.436 | mg/kg dry | 1 | 2652430 | 08/07/2024 | 08/08/2024 | U |
|---------------------|----|-------|-------|-----------|---|---------|------------|------------|---|

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Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1046 - EPA 5030 (soil)

Blank (B4G1046-BLK1)

Prepared: 07/10/2024 Analyzed: 07/12/2024

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|----|
| 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 | 0.12 | | " | 0.125 | 99.6 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | 103 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.14 | | " | 0.125 | 109 | | 70-130 | | | |

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Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1046 - EPA 5030 (soil)

LCS (B4G1046-BS1)

Prepared: 07/10/2024 Analyzed: 07/12/2024

| | | | | | | | | | | |
|----------------------------------|--------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0994 | 0.00200 | mg/kg | 0.100 | | 99.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.101 | 0.00200 | " | 0.100 | | 101 | 70-130 | | | |
| Benzene | 0.0883 | 0.00200 | " | 0.100 | | 88.3 | 70-130 | | | |
| Ethylbenzene | 0.0971 | 0.00200 | " | 0.100 | | 97.1 | 70-130 | | | |
| Naphthalene | 0.103 | 0.00380 | " | 0.100 | | 103 | 70-130 | | | |
| Toluene | 0.0920 | 0.00200 | " | 0.100 | | 92.0 | 70-130 | | | |
| o-Xylene | 0.0995 | 0.00200 | " | 0.100 | | 99.5 | 70-130 | | | |
| m,p-Xylene | 0.193 | 0.00400 | " | 0.200 | | 96.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |

Origins Laboratory, Inc.



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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1046 - EPA 5030 (soil)

| Matrix Spike (B4G1046-MS1) | Source: Y407209-01 | | | Prepared: 07/10/2024 Analyzed: 07/12/2024 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.102 | 0.00200 | mg/kg | 0.100 | ND | 102 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.103 | 0.00200 | " | 0.100 | ND | 103 | 70-130 | | | |
| Benzene | 0.0887 | 0.00200 | " | 0.100 | ND | 88.7 | 70-130 | | | |
| Ethylbenzene | 0.0994 | 0.00200 | " | 0.100 | ND | 99.4 | 70-130 | | | |
| Naphthalene | 0.103 | 0.00380 | " | 0.100 | ND | 103 | 70-130 | | | |
| Toluene | 0.0871 | 0.00200 | " | 0.100 | ND | 87.1 | 70-130 | | | |
| o-Xylene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | | | |
| m,p-Xylene | 0.198 | 0.00400 | " | 0.200 | ND | 99.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 105 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.4 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 106 | 70-130 | | | |

Origins Laboratory, Inc.



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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1046 - EPA 5030 (soil)

| Matrix Spike Dup (B4G1046-MSD1) | Source: Y407209-01 | | | Prepared: 07/10/2024 Analyzed: 07/12/2024 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0990 | 0.00200 | mg/kg | 0.100 | ND | 99.0 | 70-130 | 3.43 | 20 | |
| 1,3,5-Trimethylbenzene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | 2.63 | 20 | |
| Benzene | 0.0869 | 0.00200 | " | 0.100 | ND | 86.9 | 70-130 | 2.03 | 20 | |
| Ethylbenzene | 0.0954 | 0.00200 | " | 0.100 | ND | 95.4 | 70-130 | 4.07 | 20 | |
| Naphthalene | 0.106 | 0.00380 | " | 0.100 | ND | 106 | 70-130 | 3.11 | 20 | |
| Toluene | 0.0882 | 0.00200 | " | 0.100 | ND | 88.2 | 70-130 | 1.19 | 20 | |
| o-Xylene | 0.0985 | 0.00200 | " | 0.100 | ND | 98.5 | 70-130 | 2.25 | 20 | |
| m,p-Xylene | 0.190 | 0.00400 | " | 0.200 | ND | 94.8 | 70-130 | 4.35 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 106 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.13 | | " | 0.125 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | | 103 | 70-130 | | | |

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch B4G1101 - EPA 3550B | | | | | | | | | | |
| Blank (B4G1101-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 07/11/2024 Analyzed: 07/11/2024 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | Ua |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | Ua |
| Surrogate: o-Terphenyl | 22 | | " | 24.9 | | 88.9 | 50-150 | | | |

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1101 - EPA 3550B

LCS (B4G1101-BS1)

Prepared: 07/11/2024 Analyzed: 07/11/2024

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 936 | 50.0 | mg/kg | 1000 | | 93.6 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 922 | 200 | " | 1000 | | 92.2 | 70-130 | | | |
| Surrogate: o-Terphenyl | 50 | | " | 49.8 | | 101 | 50-150 | | | |

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Quandary Consultants
 2252 Emerson St.
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Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1101 - EPA 3550B

| Matrix Spike (B4G1101-MS1) | Source: Y407207-01 | | | Prepared: 07/11/2024 Analyzed: 07/11/2024 | | | | | | |
|-----------------------------------|---------------------------|------|-------|---|----|------|--------|--|--|--|
| Diesel (C10-C28) | 986 | 50.0 | mg/kg | 1000 | ND | 98.6 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 966 | 200 | " | 1000 | ND | 96.6 | 70-130 | | | |
| Surrogate: o-Terphenyl | 42 | | " | 49.8 | | 84.8 | 50-150 | | | |

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1101 - EPA 3550B

| Matrix Spike Dup (B4G1101-MSD1) | Source: Y407207-01 | | | Prepared: 07/11/2024 Analyzed: 07/11/2024 | | | | | | |
|--|---------------------------|------|----------|---|----|------------|---------------|-------|----|--|
| Diesel (C10-C28) | 999 | 50.0 | mg/kg | 1000 | ND | 99.9 | 70-130 | 1.40 | 35 | |
| Residual Range Organics (C28-C40) | 962 | 200 | " | 1000 | ND | 96.2 | 70-130 | 0.431 | 35 | |
| <i>Surrogate: o-Terphenyl</i> | <i>51</i> | | <i>"</i> | <i>49.8</i> | | <i>103</i> | <i>50-150</i> | | | |

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Quandary Consultants
 2252 Emerson St.
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Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

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

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

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

Batch B4G1105 - EPA 3050B

Blank (B4G1105-BLK1)

Prepared: 07/11/2024 Analyzed: 07/13/2024

| | | | | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|
| 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 (B4G1105-BS1)

Prepared: 07/11/2024 Analyzed: 07/13/2024

| | | | | | | | | | | |
|----------|------|-------|-------|------|--|-----|--------|--|--|--|
| Arsenic | 5.48 | 0.290 | mg/kg | 5.00 | | 110 | 80-120 | | | |
| Barium | 515 | 10.0 | " | 500 | | 103 | 80-120 | | | |
| Cadmium | 5.39 | 0.100 | " | 5.00 | | 108 | 80-120 | | | |
| Copper | 54.7 | 10.0 | " | 50.0 | | 109 | 80-120 | | | |
| Lead | 5.18 | 1.00 | " | 5.00 | | 104 | 80-120 | | | |
| Nickel | 5.62 | 1.00 | " | 5.00 | | 112 | 80-120 | | | |
| Selenium | 5.22 | 0.260 | " | 5.00 | | 104 | 80-120 | | | |
| Silver | 5.46 | 0.100 | " | 5.00 | | 109 | 80-120 | | | |
| Zinc | 57.9 | 37.0 | " | 50.0 | | 116 | 80-120 | | | |

Matrix Spike (B4G1105-MS1)

Source: Y407237-01

Prepared: 07/11/2024 Analyzed: 07/13/2024

Origins Laboratory, Inc.



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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1105 - EPA 3050B

| Matrix Spike (B4G1105-MS1) | | Source: Y407237-01 | | | Prepared: 07/11/2024 Analyzed: 07/13/2024 | | | | | |
|-----------------------------------|------|---------------------------|-------|------|---|------|--------|--|--|-------|
| Arsenic | 9.74 | 0.279 | mg/kg | 4.81 | 5.98 | 78.1 | 75-125 | | | |
| Barium | 565 | 9.62 | " | 481 | 133 | 90.0 | 75-125 | | | |
| Cadmium | 5.01 | 0.0962 | " | 4.81 | 0.285 | 98.2 | 75-125 | | | |
| Copper | 58.7 | 9.62 | " | 48.1 | 13.9 | 93.1 | 75-125 | | | |
| Lead | 15.7 | 0.962 | " | 4.81 | 12.6 | 64.2 | 75-125 | | | QM-07 |
| Nickel | 20.2 | 0.962 | " | 4.81 | 16.8 | 70.8 | 75-125 | | | QM-07 |
| Selenium | 4.68 | 0.250 | " | 4.81 | 0.392 | 89.0 | 75-125 | | | |
| Silver | 4.86 | 0.0962 | " | 4.81 | 0.0241 | 100 | 75-125 | | | |
| Zinc | 102 | 35.6 | " | 48.1 | 58.0 | 91.7 | 75-125 | | | |

| Matrix Spike Dup (B4G1105-MSD1) | | Source: Y407237-01 | | | Prepared: 07/11/2024 Analyzed: 07/13/2024 | | | | | |
|--|------|---------------------------|-------|------|---|------|--------|--------|----|--|
| Arsenic | 9.85 | 0.242 | mg/kg | 4.18 | 5.98 | 92.5 | 75-125 | 1.11 | 20 | |
| Barium | 484 | 8.36 | " | 418 | 133 | 84.1 | 75-125 | 15.5 | 20 | |
| Cadmium | 4.67 | 0.0836 | " | 4.18 | 0.285 | 105 | 75-125 | 6.97 | 20 | |
| Copper | 54.5 | 8.36 | " | 41.8 | 13.9 | 97.1 | 75-125 | 7.46 | 20 | |
| Lead | 17.1 | 0.836 | " | 4.18 | 12.6 | 107 | 75-125 | 8.49 | 20 | |
| Nickel | 21.1 | 0.836 | " | 4.18 | 16.8 | 103 | 75-125 | 4.39 | 20 | |
| Selenium | 4.54 | 0.217 | " | 4.18 | 0.392 | 99.3 | 75-125 | 2.85 | 20 | |
| Silver | 4.42 | 0.0836 | " | 4.18 | 0.0241 | 105 | 75-125 | 9.38 | 20 | |
| Zinc | 102 | 30.9 | " | 41.8 | 58.0 | 106 | 75-125 | 0.0799 | 20 | |

Origins Laboratory, Inc.



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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1227 - EPA 3580

Blank (B4G1227-BLK1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|----|
| 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 |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 105 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 180 | | " | 200 | | 89.4 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 101 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 101 | 60-130 | | | |

LCS (B4G1227-BS1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.182 | 0.002 | mg/kg | 0.200 | | 91.0 | 70-130 | | | |
| 2-Methylnaphthalene | 0.179 | 0.002 | " | 0.200 | | 89.7 | 70-130 | | | |
| Acenaphthene | 0.192 | 0.020 | " | 0.200 | | 96.2 | 70-130 | | | |
| Anthracene | 0.168 | 0.020 | " | 0.200 | | 84.1 | 70-130 | | | |

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1227 - EPA 3580

LCS (B4G1227-BS1)

Prepared: 07/12/2024 Analyzed: 07/13/2024

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| Benzo (a) anthracene | 0.188 | 0.005 | mg/kg | 0.200 | | 93.8 | 70-130 | | | |
| Benzo (a) pyrene | 0.189 | 0.020 | " | 0.200 | | 94.3 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.187 | 0.020 | " | 0.200 | | 93.3 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.178 | 0.020 | " | 0.200 | | 89.0 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.182 | 0.020 | " | 0.200 | | 91.0 | 70-130 | | | |
| Chrysene | 0.186 | 0.020 | " | 0.200 | | 93.2 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.178 | 0.020 | " | 0.200 | | 89.2 | 70-130 | | | |
| Fluoranthene | 0.179 | 0.020 | " | 0.200 | | 89.7 | 70-130 | | | |
| Fluorene | 0.206 | 0.020 | " | 0.200 | | 103 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.178 | 0.020 | " | 0.200 | | 88.8 | 70-130 | | | |
| Naphthalene | 0.195 | 0.002 | " | 0.200 | | 97.5 | 70-130 | | | |
| Phenanthrene | 0.173 | 0.020 | " | 0.200 | | 86.4 | 70-130 | | | |
| Pyrene | 0.181 | 0.020 | " | 0.200 | | 90.4 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 105 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 180 | | " | 200 | | 89.8 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.3 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 98.6 | 60-130 | | | |

Matrix Spike (B4G1227-MS1)

Source: Y407207-01

Prepared: 07/12/2024 Analyzed: 07/13/2024

| | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|--------|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.192 | 0.002 | mg/kg | 0.200 | ND | 96.1 | 70-130 | | | |
| 2-Methylnaphthalene | 0.191 | 0.002 | " | 0.200 | ND | 95.5 | 70-130 | | | |
| Acenaphthene | 0.205 | 0.020 | " | 0.200 | ND | 102 | 70-130 | | | |
| Anthracene | 0.180 | 0.020 | " | 0.200 | ND | 89.9 | 70-130 | | | |
| Benzo (a) anthracene | 0.195 | 0.005 | " | 0.200 | ND | 97.4 | 70-130 | | | |
| Benzo (a) pyrene | 0.196 | 0.020 | " | 0.200 | ND | 98.1 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.190 | 0.020 | " | 0.200 | 0.0005 | 94.9 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.186 | 0.020 | " | 0.200 | ND | 92.9 | 70-130 | | | |

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1227 - EPA 3580

| Matrix Spike (B4G1227-MS1) | | Source: Y407207-01 | | | Prepared: 07/12/2024 Analyzed: 07/13/2024 | | | | | |
|-----------------------------------|-------|---------------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.195 | 0.020 | mg/kg | 0.200 | ND | 97.4 | 70-130 | | | |
| Chrysene | 0.200 | 0.020 | " | 0.200 | 0.0004 | 99.9 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.181 | 0.020 | " | 0.200 | 0.0009 | 90.1 | 70-130 | | | |
| Fluoranthene | 0.192 | 0.020 | " | 0.200 | ND | 95.8 | 70-130 | | | |
| Fluorene | 0.220 | 0.020 | " | 0.200 | ND | 110 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.185 | 0.020 | " | 0.200 | ND | 92.7 | 70-130 | | | |
| Naphthalene | 0.207 | 0.002 | " | 0.200 | ND | 103 | 70-130 | | | |
| Phenanthrene | 0.185 | 0.020 | " | 0.200 | ND | 92.4 | 70-130 | | | |
| Pyrene | 0.192 | 0.020 | " | 0.200 | ND | 95.8 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 105 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 180 | | " | 200 | | 90.5 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.5 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 100 | 60-130 | | | |

| Matrix Spike Dup (B4G1227-MSD1) | | Source: Y407207-01 | | | Prepared: 07/12/2024 Analyzed: 07/13/2024 | | | | | |
|--|-------|---------------------------|-------|-------|---|------|--------|------|----|--|
| 1-Methylnaphthalene | 0.202 | 0.002 | mg/kg | 0.200 | ND | 101 | 70-130 | 5.20 | 20 | |
| 2-Methylnaphthalene | 0.200 | 0.002 | " | 0.200 | ND | 100 | 70-130 | 4.83 | 20 | |
| Acenaphthene | 0.217 | 0.020 | " | 0.200 | ND | 108 | 70-130 | 5.59 | 20 | |
| Anthracene | 0.187 | 0.020 | " | 0.200 | ND | 93.5 | 70-130 | 3.88 | 20 | |
| Benzo (a) anthracene | 0.212 | 0.005 | " | 0.200 | ND | 106 | 70-130 | 8.53 | 20 | |
| Benzo (a) pyrene | 0.205 | 0.020 | " | 0.200 | ND | 103 | 70-130 | 4.62 | 20 | |
| Benzo (b) fluoranthene | 0.205 | 0.020 | " | 0.200 | 0.0005 | 102 | 70-130 | 7.61 | 20 | |
| Benzo (g,h,i) perylene | 0.200 | 0.020 | " | 0.200 | ND | 100 | 70-130 | 7.50 | 20 | |
| Benzo (k) fluoranthene | 0.204 | 0.020 | " | 0.200 | ND | 102 | 70-130 | 4.57 | 20 | |
| Chrysene | 0.207 | 0.020 | " | 0.200 | 0.0004 | 103 | 70-130 | 3.27 | 20 | |
| Dibenz (a,h) anthracene | 0.199 | 0.020 | " | 0.200 | 0.0009 | 99.0 | 70-130 | 9.37 | 20 | |
| Fluoranthene | 0.203 | 0.020 | " | 0.200 | ND | 101 | 70-130 | 5.75 | 20 | |

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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

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

Batch B4G1227 - EPA 3580

| Matrix Spike Dup (B4G1227-MSD1) | Source: Y407207-01 | | | Prepared: 07/12/2024 Analyzed: 07/13/2024 | | | | | | |
|---------------------------------|--------------------|-------|-------|---|----|------|--------|------|----|--|
| Fluorene | 0.227 | 0.020 | mg/kg | 0.200 | ND | 114 | 70-130 | 3.25 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.200 | 0.020 | " | 0.200 | ND | 99.8 | 70-130 | 7.42 | 20 | |
| Naphthalene | 0.215 | 0.002 | " | 0.200 | ND | 108 | 70-130 | 4.16 | 20 | |
| Phenanthrene | 0.194 | 0.020 | " | 0.200 | ND | 96.9 | 70-130 | 4.77 | 20 | |
| Pyrene | 0.199 | 0.020 | " | 0.200 | ND | 99.7 | 70-130 | 4.01 | 20 | |
| Surrogate: Fluorene-d10 | 210 | | ug/kg | 200 | | 105 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 180 | | " | 200 | | 91.0 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 98.8 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 100 | 60-130 | | | |

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1111 - Saturated Paste Metals

Blank (B4G1111-BLK1)

Prepared: 07/11/2024 Analyzed: 07/12/2024

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

Duplicate (B4G1111-DUP1)

Source: Y407237-01

Prepared: 07/11/2024 Analyzed: 07/12/2024

| | | | | | | | | | | |
|---------------|------|--------|------|--|------|--|--|-------|-----|--|
| Calcium PPM | 128 | 10.0 | mg/L | | 122 | | | 4.34 | 50 | |
| SAR | ND | 0.0100 | SAR | | 22.0 | | | | 200 | |
| Magnesium PPM | 95.3 | 10.0 | mg/L | | 93.4 | | | 2.00 | 50 | |
| Sodium PPM | 1330 | 10.0 | " | | 1330 | | | 0.228 | 50 | |

Batch B4G1116 - DTPA Sorbitol Preparation

Blank (B4G1116-BLK1)

Prepared: 07/11/2024 Analyzed: 07/12/2024

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

Duplicate (B4G1116-DUP1)

Source: Y407250-01

Prepared: 07/11/2024 Analyzed: 07/12/2024

| | | | | | | | | | | |
|-------|--------|--------|------|--|--------|--|--|------|----|--|
| Boron | 0.0406 | 0.0990 | mg/L | | 0.0401 | | | 1.18 | 50 | |
|-------|--------|--------|------|--|--------|--|--|------|----|--|

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

Saturated Paste - Quality Control
Origins Laboratory, Inc.

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

Batch B4G1122 - Saturated Paste pH/EC

Blank (B4G1122-BLK1)

Prepared: 07/11/2024 Analyzed: 07/12/2024

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B4G1122-DUP1)

Source: Y407237-01

Prepared: 07/11/2024 Analyzed: 07/12/2024

| | | | | | | |
|---------------------------|------|---------|----------|------|-------|----|
| Specific Conductance (EC) | 6.97 | 0.00500 | mmhos/cm | 6.99 | 0.296 | 25 |
| pH | 8.57 | | pH Units | 8.29 | 3.32 | 25 |

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Quandary Consultants
 2252 Emerson St.
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Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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 2649516 - SW846 3060A

BLANK (1205807308-BLK)

Prepared: 08/05/2024 Analyzed: 08/07/2024

| | | | | | | | | | | |
|---------------------|----|-------|-------|--|--|--|---|--|--|---|
| Hexavalent Chromium | ND | 0.376 | mg/kg | | | | - | | | U |
|---------------------|----|-------|-------|--|--|--|---|--|--|---|

LCS (1205807309-BKS)

Prepared: 08/05/2024 Analyzed: 08/07/2024

| | | | | | | | | | | |
|---------------------|------|-------|-------|------|--|------|--------|--|--|--|
| Hexavalent Chromium | 3.91 | 0.398 | mg/kg | 3.98 | | 98.2 | 80-120 | | | |
|---------------------|------|-------|-------|------|--|------|--------|--|--|--|

DUP (1205807310 D)

Source: 675448001

Prepared: 08/05/2024 Analyzed: 08/07/2024

| | | | | | | | | | | |
|---------------------|----|-------|-----------|--|--------|--|------|-----|----|---|
| Hexavalent Chromium | ND | 0.298 | mg/kg dry | | <0.119 | | 0-50 | N/A | 50 | U |
|---------------------|----|-------|-----------|--|--------|--|------|-----|----|---|

MS (1205807311 S)

Source: 675448001

Prepared: 08/05/2024 Analyzed: 08/07/2024

| | | | | | | | | | | |
|---------------------|------|-------|-----------|------|--------|------|--------|--|--|--|
| Hexavalent Chromium | 1.68 | 0.260 | mg/kg dry | 2.60 | <0.104 | 61.8 | 75-125 | | | |
|---------------------|------|-------|-----------|------|--------|------|--------|--|--|--|

DUP (1205807312 D)

Source: 675448002

Prepared: 08/05/2024 Analyzed: 08/07/2024

| | | | | | | | | | | |
|---------------------|----|-------|-----------|--|--------|--|------|-----|----|---|
| Hexavalent Chromium | ND | 0.342 | mg/kg dry | | <0.137 | | 0-50 | N/A | 50 | U |
|---------------------|----|-------|-----------|--|--------|--|------|-----|----|---|

MS (1205807313 S)

Source: 675448002

Prepared: 08/05/2024 Analyzed: 08/07/2024

| | | | | | | | | | | |
|---------------------|-------|-------|-----------|------|---------|------|--------|--|--|--|
| Hexavalent Chromium | 0.840 | 0.240 | mg/kg dry | 2.40 | <0.0959 | 31.7 | 75-125 | | | |
|---------------------|-------|-------|-----------|------|---------|------|--------|--|--|--|

ILCS (1205807314-ILCS)

Prepared: 08/05/2024 Analyzed: 08/07/2024

| | | | | | | | | | | |
|---------------------|------|-------|-------|------|--|------|--------|--|--|--|
| Hexavalent Chromium | 7.76 | 0.387 | mg/kg | 7.86 | | 98.8 | 80-120 | | | |
|---------------------|------|-------|-------|------|--|------|--------|--|--|--|

Batch 2652430 - SW846 3060A

BLANK (1205813566-BLK)

Prepared: 08/07/2024 Analyzed: 08/08/2024

| | | | | | | | | | | |
|---------------------|----|-------|-------|--|--|--|---|--|--|---|
| Hexavalent Chromium | ND | 0.376 | mg/kg | | | | - | | | U |
|---------------------|----|-------|-------|--|--|--|---|--|--|---|

LCS (1205813567-BKS)

Prepared: 08/07/2024 Analyzed: 08/08/2024

| | | | | | | | | | | |
|---------------------|------|-------|-------|------|--|------|--------|--|--|--|
| Hexavalent Chromium | 3.79 | 0.381 | mg/kg | 3.81 | | 99.4 | 80-120 | | | |
|---------------------|------|-------|-------|------|--|------|--------|--|--|--|

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Quandary Consultants
 2252 Emerson St.
 Denver CO 80205

Mike Dinkel
 Project Number: [none]
 Project: Goodin 15N 16N-B6HZFACBTI Illegal Dump

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 2652430 - SW846 3060A | | | | | | | | | | |
| DUP (1205813568 D) | | Source: 676358001 | | | Prepared: 08/07/2024 Analyzed: 08/08/2024 | | | | | |
| Hexavalent Chromium | ND | 0.371 | mg/kg dry | | <0.149 | | 0-50 | N/A | 50 | U |
| MS (1205813569 S) | | Source: 676358001 | | | Prepared: 08/07/2024 Analyzed: 08/08/2024 | | | | | |
| Hexavalent Chromium | 1.31 | 0.371 | mg/kg dry | 3.71 | <0.149 | 32.7 | 75-125 | | | |
| DUP (1205813570 D) | | Source: 676358002 | | | Prepared: 08/07/2024 Analyzed: 08/08/2024 | | | | | |
| Hexavalent Chromium | ND | 0.312 | mg/kg dry | | <0.125 | | 0-50 | N/A | 50 | U |
| MS (1205813571 S) | | Source: 676358002 | | | Prepared: 08/07/2024 Analyzed: 08/08/2024 | | | | | |
| Hexavalent Chromium | 2.12 | 0.312 | mg/kg dry | 3.12 | <0.125 | 66.4 | 75-125 | | | |
| ILCS (1205813572-ILCS) | | | | | Prepared: 08/07/2024 Analyzed: 08/08/2024 | | | | | |
| Hexavalent Chromium | 5.42 | 0.267 | mg/kg | 5.42 | | 100 | 80-120 | | | |

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Quandary Consultants
2252 Emerson St.
Denver CO 80205

Mike Dinkel
Project Number: [none]
Project: Goodin 15N 16N-B6HZFACBTI Illegal
Dump

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

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.

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

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