

February 02, 2024

Verdad Resources

Dean Wagoner

1125 17th St Suite 550

Denver CO 80202

Project Name - Timbro 1-41-9-59

Project Number - [none]

Attached are your analytical results for Timbro 1-41-9-59 received by Origins Laboratory, Inc. January 24, 2024. This project is associated with Origins project number Y401562-01.

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



Verdad Resources
1125 17th St Suite 550
Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-41-9-59

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|------------------------|------------------|
| Sample#2 | Y401562-01 | Soil | January 23, 2024 13:00 | 01/24/2024 11:05 |
| Sample#5 | Y401562-02 | Soil | January 23, 2024 13:05 | 01/24/2024 11:05 |

Origins Laboratory, Inc.



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

Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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

Sample Receipt Checklist

Origins Work Order: 4401502 Client: Verdad
 Client Project ID: Timbro 1-41-9-59
 Checklist Completed by: JHV/EHS Shipped Via: HLV
 Date/time completed: 1/24/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: N/A
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1, 10.5 °C _____ °C _____ °C _____ °C (Describe)
 Thermometer ID: TDH

| Requirement Description | Yes | No | N/A | Comments (if any) |
|--|-----|----|-----|-------------------|
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | | / | | |
| Is there ice present (document if blue ice is used) | / | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | / | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | / | | |
| Were all samples received intact ⁽¹⁾ ? | / | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | / | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | / | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | / | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | / | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | / | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | / | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | / | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <= 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+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: JHV (Project Manager) Date/Time Reviewed: 1-25-24

Origins Laboratory, Inc.



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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#2
1/23/2024 1:00:00PM

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

Origins Laboratory, Inc.
Y401562-01 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.326 | | 0.0991 | mg/L | 1 | B4A2612 | 01/26/2024 | 01/30/2024 | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B4A2524 | 01/25/2024 | 01/30/2024 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 75.1 % | | 50-150 | | | " | " | " | |
|------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B4A2422 | 01/24/2024 | 01/25/2024 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 107 % | | 70-130 | | | " | " | " | |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|

Origins Laboratory, Inc.



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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#2
1/23/2024 1:00:00PM

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

Origins Laboratory, Inc.
Y401562-01 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Toluene-d8 | 96.9 % | | 70-130 | | | B4A24 22 | 01/24/2024 | 01/25/2024 | |
| Surrogate: 4-Bromofluorobenzene | 102 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.73 | | 0.499 | meq/L | 10 | [CALC] | 01/26/2024 | 01/29/2024 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 1.65 | | 0.435 | " | " | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|--|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | | 0.002 | mg/kg | 1 | B4A2425 | 01/24/2024 | 01/26/2024 | U |
| 2-Methylnaphthalene | ND | | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | | 0.020 | " | " | " | " | " | U |

Origins Laboratory, Inc.



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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#2

1/23/2024 1:00:00PM

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

Origins Laboratory, Inc.
Y401562-01 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | | 0.020 | mg/kg | 1 | B4A2425 | 01/24/2024 | 01/26/2024 | U |
| Indeno (1,2,3-cd) pyrene | ND | | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | | 0.020 | " | " | " | " | " | U |

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: Fluorene-d10 | 101 % | | 60-130 | | | " | " | " | |
| Surrogate: Anthracene-d10 | 96.7 % | | 60-130 | | | " | " | " | |
| Surrogate: Pyrene-d10 | 102 % | | 60-130 | | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 102 % | | 60-130 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.19 | | | pH Units | 1 | B4A2616 | 01/26/2024 | 01/27/2024 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 1.51 | | 0.0100 | SAR | 1 | B4A2608 | 01/26/2024 | 01/29/2024 | |
|-----|------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.493 | | 0.00500 | mmhos/cm | 1 | B4A2616 | 01/26/2024 | 01/27/2024 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#2
1/23/2024 1:00:00PM

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

Origins Laboratory, Inc.
Y401562-01 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 1.88 | | 0.0960 | mg/kg | 10 | B4A2421 | 01/24/2024 | 01/26/2024 | |
| Barium | 2540 | | 9.60 | " | " | " | " | " | |
| Cadmium | ND | | 0.0960 | " | " | " | " | " | |
| Copper | 19.2 | | 9.60 | " | " | " | " | " | |
| Lead | 3.98 | | 0.960 | " | " | " | " | " | |
| Nickel | 12.7 | | 0.960 | " | " | " | " | " | |
| Selenium | ND | | 0.0960 | " | " | " | " | " | |
| Silver | ND | | 0.0960 | " | " | " | " | " | |
| Zinc | 67.1 | | 9.60 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.247 | 0.508 | mg/Kg | 1 | L729952 | 01/23/2024 | 01/30/2024 | |
|----------------------|----|-------|-------|-------|---|---------|------------|------------|--|

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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#5
1/23/2024 1:05:00PM

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

Origins Laboratory, Inc.
Y401562-02 (Soil)

Boron (DTPA Sorbitol)

| | | | | | | | | | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|
| Boron | 0.143 | | 0.0998 | mg/L | 1 | B4A2612 | 01/26/2024 | 01/30/2024 | |
|-------|-------|--|--------|------|---|---------|------------|------------|--|

DRO/ORO by EPA 8015D

| | | | | | | | | | |
|-----------------------------------|----|--|------|-------|---|---------|------------|------------|---|
| Diesel (C10-C28) | ND | | 25.0 | mg/kg | 1 | B4A2524 | 01/25/2024 | 01/30/2024 | U |
| Residual Range Organics (C28-C40) | ND | | 100 | " | " | " | " | " | U |

| | | | | | | | | | |
|------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: o-Terphenyl | 69.7 % | | 50-150 | | | " | " | " | |
|------------------------|--------|--|--------|--|--|---|---|---|--|

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|-----------------------------|----|--|---------|-------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | | 0.00200 | mg/kg | 1 | B4A2422 | 01/24/2024 | 01/25/2024 | U |
| 1,3,5-Trimethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Benzene | ND | | 0.00200 | " | " | " | " | " | U |
| Ethylbenzene | ND | | 0.00200 | " | " | " | " | " | U |
| Toluene | ND | | 0.00200 | " | " | " | " | " | U |
| Xylenes, total | ND | | 0.00200 | " | " | " | " | " | U |
| Gasoline Range Hydrocarbons | ND | | 0.200 | " | " | " | " | " | U |

| | | | | | | | | | |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 108 % | | 70-130 | | | " | " | " | |
|----------------------------------|-------|--|--------|--|--|---|---|---|--|

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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#5

1/23/2024 1:05:00PM

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

Origins Laboratory, Inc.
Y401562-02 (Soil)

GBTEX+TMBs by 8260D

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: Toluene-d8 | 96.0 % | | 70-130 | | | B4A24 22 | 01/24/2024 | 01/25/2024 | |
| Surrogate: 4-Bromofluorobenzene | 102 % | | 70-130 | | | " | " | " | |

Metals by Saturated Paste by EPA 6010

| | | | | | | | | | |
|-----------|-------|--|-------|-------|----|--------|------------|------------|--|
| Calcium | 1.36 | | 0.499 | meq/L | 10 | [CALC] | 01/26/2024 | 01/29/2024 | |
| Magnesium | ND | | 0.823 | " | " | " | " | " | |
| Sodium | 0.921 | | 0.435 | " | " | " | " | " | |

PAH by EPA 8270E

| | | | | | | | | | |
|-------------------------|----|--|-------|-------|---|---------|------------|------------|---|
| 1-Methylnaphthalene | ND | | 0.002 | mg/kg | 1 | B4A2425 | 01/24/2024 | 01/26/2024 | U |
| 2-Methylnaphthalene | ND | | 0.002 | " | " | " | " | " | U |
| Acenaphthene | ND | | 0.020 | " | " | " | " | " | U |
| Anthracene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (a) anthracene | ND | | 0.005 | " | " | " | " | " | U |
| Benzo (a) pyrene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (b) fluoranthene | ND | | 0.020 | " | " | " | " | " | U |
| Benzo (k) fluoranthene | ND | | 0.020 | " | " | " | " | " | U |
| Chrysene | ND | | 0.020 | " | " | " | " | " | U |
| Dibenz (a,h) anthracene | ND | | 0.020 | " | " | " | " | " | U |
| Fluoranthene | ND | | 0.020 | " | " | " | " | " | U |

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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#5

1/23/2024 1:05:00PM

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

Origins Laboratory, Inc.
Y401562-02 (Soil)

PAH by EPA 8270E

| | | | | | | | | | |
|--------------------------|----|--|-------|-------|---|---------|------------|------------|---|
| Fluorene | ND | | 0.020 | mg/kg | 1 | B4A2425 | 01/24/2024 | 01/26/2024 | U |
| Indeno (1,2,3-cd) pyrene | ND | | 0.020 | " | " | " | " | " | U |
| Naphthalene | ND | | 0.002 | " | " | " | " | " | U |
| Pyrene | ND | | 0.020 | " | " | " | " | " | U |

| | | | | | | | | | |
|---------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: Fluorene-d10 | 101 % | | 60-130 | | | " | " | " | |
| Surrogate: Anthracene-d10 | 97.3 % | | 60-130 | | | " | " | " | |
| Surrogate: Pyrene-d10 | 99.8 % | | 60-130 | | | " | " | " | |
| Surrogate: Benzo (a) pyrene-d12 | 103 % | | 60-130 | | | " | " | " | |

pH in Soil by 9045D

| | | | | | | | | | |
|----|------|--|--|----------|---|---------|------------|------------|--|
| pH | 8.26 | | | pH Units | 1 | B4A2616 | 01/26/2024 | 01/27/2024 | |
|----|------|--|--|----------|---|---------|------------|------------|--|

SAR by 20B Saturated Paste

| | | | | | | | | | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|
| SAR | 0.944 | | 0.0100 | SAR | 1 | B4A2608 | 01/26/2024 | 01/29/2024 | |
|-----|-------|--|--------|-----|---|---------|------------|------------|--|

Specific Conductance Mod. 9050A

| | | | | | | | | | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|
| Specific Conductance (EC) | 0.347 | | 0.00500 | mmhos/cm | 1 | B4A2616 | 01/26/2024 | 01/27/2024 | |
|---------------------------|-------|--|---------|----------|---|---------|------------|------------|--|

Table 915 metals by EPA 6020B

Origins Laboratory, Inc.



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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Sample#5

1/23/2024 1:05:00PM

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

Origins Laboratory, Inc.
Y401562-02 (Soil)

Table 915 metals by EPA 6020B

| | | | | | | | | | |
|----------|------|--|--------|-------|----|---------|------------|------------|--|
| Arsenic | 2.75 | | 0.0953 | mg/kg | 10 | B4A2421 | 01/24/2024 | 01/26/2024 | |
| Barium | 847 | | 9.53 | " | " | " | " | " | |
| Cadmium | ND | | 0.0953 | " | " | " | " | " | |
| Copper | 22.2 | | 9.53 | " | " | " | " | " | |
| Lead | 4.09 | | 0.953 | " | " | " | " | " | |
| Nickel | 13.0 | | 0.953 | " | " | " | " | " | |
| Selenium | ND | | 0.0953 | " | " | " | " | " | |
| Silver | ND | | 0.0953 | " | " | " | " | " | |
| Zinc | 71.8 | | 9.53 | " | " | " | " | " | |

Total Metals by 7196A

| | | | | | | | | | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|
| Chromium, Hexavalent | ND | 0.244 | 0.5 | mg/Kg | 1 | L729952 | 01/23/2024 | 01/30/2024 | |
|----------------------|----|-------|-----|-------|---|---------|------------|------------|--|

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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2422 - EPA 5030 (soil)

Blank (B4A2422-BLK1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

| | | | | | | | | | | |
|----------------------------------|------|---------|-------|-------|------|--|--------|--|--|---|
| 1,2,4-Trimethylbenzene | ND | 0.00200 | mg/kg | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Benzene | ND | 0.00200 | " | | | | | | | U |
| Ethylbenzene | ND | 0.00200 | " | | | | | | | U |
| Naphthalene | ND | 0.00380 | " | | | | | | | U |
| Toluene | ND | 0.00200 | " | | | | | | | U |
| Xylenes, total | ND | 0.00200 | " | | | | | | | U |
| Gasoline Range Hydrocarbons | ND | 0.200 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | 102 | | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | 98.8 | | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.13 | | " | 0.125 | 102 | | 70-130 | | | |

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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2422 - EPA 5030 (soil)

LCS (B4A2422-BS1)

Prepared: 01/24/2024 Analyzed: 01/24/2024

| | | | | | | | | | | |
|----------------------------------|-------|---------|-------|-------|--|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.105 | 0.00200 | mg/kg | 0.100 | | 105 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.109 | 0.00200 | " | 0.100 | | 109 | 70-130 | | | |
| Benzene | 0.117 | 0.00200 | " | 0.100 | | 117 | 70-130 | | | |
| Ethylbenzene | 0.107 | 0.00200 | " | 0.100 | | 107 | 70-130 | | | |
| Naphthalene | 0.103 | 0.00380 | " | 0.100 | | 103 | 70-130 | | | |
| Toluene | 0.113 | 0.00200 | " | 0.100 | | 113 | 70-130 | | | |
| o-Xylene | 0.102 | 0.00200 | " | 0.100 | | 102 | 70-130 | | | |
| m,p-Xylene | 0.220 | 0.00400 | " | 0.200 | | 110 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.13 | | " | 0.125 | | 101 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 98.3 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 94.3 | 70-130 | | | |

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2422 - EPA 5030 (soil)

| Matrix Spike (B4A2422-MS1) | Source: Y401552-01 | | | Prepared: 01/24/2024 Analyzed: 01/24/2024 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 0.0927 | 0.00200 | mg/kg | 0.100 | ND | 92.7 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0949 | 0.00200 | " | 0.100 | ND | 94.9 | 70-130 | | | |
| Benzene | 0.112 | 0.00200 | " | 0.100 | ND | 112 | 70-130 | | | |
| Ethylbenzene | 0.0955 | 0.00200 | " | 0.100 | ND | 95.5 | 70-130 | | | |
| Naphthalene | 0.124 | 0.00380 | " | 0.100 | ND | 124 | 70-130 | | | |
| Toluene | 0.103 | 0.00200 | " | 0.100 | ND | 103 | 70-130 | | | |
| o-Xylene | 0.0932 | 0.00200 | " | 0.100 | ND | 93.2 | 70-130 | | | |
| m,p-Xylene | 0.196 | 0.00400 | " | 0.200 | ND | 97.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.16 | | " | 0.125 | | 124 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 95.0 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 97.4 | 70-130 | | | |

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2422 - EPA 5030 (soil)

| Matrix Spike Dup (B4A2422-MSD1) | Source: Y401552-01 | | | Prepared: 01/24/2024 Analyzed: 01/24/2024 | | | | | | |
|----------------------------------|--------------------|---------|-------|---|----|------|--------|------|----|--|
| 1,2,4-Trimethylbenzene | 0.0987 | 0.00200 | mg/kg | 0.100 | ND | 98.7 | 70-130 | 6.35 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0998 | 0.00200 | " | 0.100 | ND | 99.8 | 70-130 | 5.07 | 20 | |
| Benzene | 0.119 | 0.00200 | " | 0.100 | ND | 119 | 70-130 | 6.43 | 20 | |
| Ethylbenzene | 0.101 | 0.00200 | " | 0.100 | ND | 101 | 70-130 | 5.74 | 20 | |
| Naphthalene | 0.128 | 0.00380 | " | 0.100 | ND | 128 | 70-130 | 3.75 | 20 | |
| Toluene | 0.109 | 0.00200 | " | 0.100 | ND | 109 | 70-130 | 5.87 | 20 | |
| o-Xylene | 0.0998 | 0.00200 | " | 0.100 | ND | 99.8 | 70-130 | 6.88 | 20 | |
| m,p-Xylene | 0.208 | 0.00400 | " | 0.200 | ND | 104 | 70-130 | 6.18 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.15 | | " | 0.125 | | 121 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.12 | | " | 0.125 | | 93.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.12 | | " | 0.125 | | 97.3 | 70-130 | | | |

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Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2524 - EPA 3550B | | | | | | | | | | |
| Blank (B4A2524-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 01/25/2024 Analyzed: 01/30/2024 | | | | | |
| Diesel (C10-C28) | ND | 25.0 | mg/kg | | | | | | | U |
| Residual Range Organics (C28-C40) | ND | 100 | " | | | | | | | U |
| Surrogate: o-Terphenyl | 20 | | " | 24.9 | | 78.6 | 50-150 | | | |

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Verdad Resources
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Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2524 - EPA 3550B

LCS (B4A2524-BS1)

Prepared: 01/25/2024 Analyzed: 01/30/2024

| | | | | | | | | | | |
|-----------------------------------|-----|------|-------|------|--|------|--------|--|--|--|
| Diesel (C10-C28) | 945 | 50.0 | mg/kg | 1000 | | 94.5 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 950 | 200 | " | 1000 | | 95.0 | 70-130 | | | |
| Surrogate: o-Terphenyl | 48 | | " | 49.8 | | 96.1 | 50-150 | | | |

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2524 - EPA 3550B

| Matrix Spike (B4A2524-MS1) | Source: Y401562-01 | | | Prepared: 01/25/2024 Analyzed: 01/30/2024 | | | | | | |
|-----------------------------------|---------------------------|------|-------|---|----|------|--------|--|--|--|
| Diesel (C10-C28) | 935 | 50.0 | mg/kg | 1000 | ND | 93.5 | 70-130 | | | |
| Residual Range Organics (C28-C40) | 942 | 200 | " | 1000 | ND | 94.2 | 70-130 | | | |
| Surrogate: o-Terphenyl | 37 | | " | 49.8 | | 75.2 | 50-150 | | | |

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2524 - EPA 3550B | | | | | | | | | | |
| Matrix Spike Dup (B4A2524-MSD1) | | | | | Source: Y401562-01 | | | | | Prepared: 01/25/2024 Analyzed: 01/30/2024 |
| Diesel (C10-C28) | 890 | 50.0 | mg/kg | 1000 | ND | 89.0 | 70-130 | 4.88 | 35 | |
| Residual Range Organics (C28-C40) | 900 | 200 | " | 1000 | ND | 90.0 | 70-130 | 4.56 | 35 | |
| Surrogate: o-Terphenyl | 44 | | " | 49.8 | | 87.7 | 50-150 | | | |

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Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2421 - EPA 3050B

Blank (B4A2421-BLK1)

Prepared: 01/24/2024 Analyzed: 01/26/2024

| | | | | | | | | | | |
|----------|----|--------|-------|--|--|--|--|--|--|--|
| Arsenic | ND | 0.0100 | mg/kg | | | | | | | |
| Barium | ND | 1.00 | " | | | | | | | |
| Cadmium | ND | 0.0100 | " | | | | | | | |
| Copper | ND | 1.00 | " | | | | | | | |
| Lead | ND | 0.100 | " | | | | | | | |
| Nickel | ND | 0.100 | " | | | | | | | |
| Selenium | ND | 0.0100 | " | | | | | | | |
| Silver | ND | 0.0100 | " | | | | | | | |
| Zinc | ND | 1.00 | " | | | | | | | |

LCS (B4A2421-BS1)

Prepared: 01/24/2024 Analyzed: 01/26/2024

| | | | | | | | | | | |
|----------|------|--------|-------|------|--|------|--------|--|--|--|
| Arsenic | 4.83 | 0.0100 | mg/kg | 5.00 | | 96.7 | 80-120 | | | |
| Barium | 520 | 1.00 | " | 500 | | 104 | 80-120 | | | |
| Cadmium | 5.01 | 0.0100 | " | 5.00 | | 100 | 80-120 | | | |
| Copper | 51.2 | 1.00 | " | 50.0 | | 102 | 80-120 | | | |
| Lead | 5.28 | 0.100 | " | 5.00 | | 106 | 80-120 | | | |
| Nickel | 5.06 | 0.100 | " | 5.00 | | 101 | 80-120 | | | |
| Selenium | 4.55 | 0.0100 | " | 5.00 | | 91.0 | 80-120 | | | |
| Silver | 5.41 | 0.0100 | " | 5.00 | | 108 | 80-120 | | | |
| Zinc | 48.8 | 1.00 | " | 50.0 | | 97.5 | 80-120 | | | |

Matrix Spike (B4A2421-MS1)

Source: Y401561-09

Prepared: 01/24/2024 Analyzed: 01/26/2024

Origins Laboratory, Inc.



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Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2421 - EPA 3050B

| Matrix Spike (B4A2421-MS1) | | Source: Y401561-09 | | | Prepared: 01/24/2024 Analyzed: 01/26/2024 | | | | | |
|-----------------------------------|------|---------------------------|-------|------|---|------|--------|--|--|--|
| Arsenic | 7.90 | 0.0909 | mg/kg | 4.54 | 3.76 | 91.1 | 75-125 | | | |
| Barium | 820 | 9.09 | " | 454 | 304 | 114 | 75-125 | | | |
| Cadmium | 5.23 | 0.0909 | " | 4.54 | 0.229 | 110 | 75-125 | | | |
| Copper | 52.7 | 9.09 | " | 45.4 | 12.1 | 89.2 | 75-125 | | | |
| Lead | 20.5 | 0.909 | " | 4.54 | 16.1 | 96.8 | 75-125 | | | |
| Nickel | 12.9 | 0.909 | " | 4.54 | 8.89 | 87.3 | 75-125 | | | |
| Selenium | 3.66 | 0.0909 | " | 4.54 | 0.205 | 76.0 | 75-125 | | | |
| Silver | 4.21 | 0.0909 | " | 4.54 | 0.0222 | 92.2 | 75-125 | | | |
| Zinc | 86.9 | 9.09 | " | 45.4 | 46.2 | 89.6 | 75-125 | | | |

| Matrix Spike Dup (B4A2421-MSD1) | | Source: Y401561-09 | | | Prepared: 01/24/2024 Analyzed: 01/26/2024 | | | | | |
|--|------|---------------------------|-------|------|---|------|--------|-------|----|--|
| Arsenic | 7.72 | 0.0893 | mg/kg | 4.47 | 3.76 | 88.6 | 75-125 | 2.32 | 20 | |
| Barium | 800 | 8.93 | " | 447 | 304 | 111 | 75-125 | 2.54 | 20 | |
| Cadmium | 5.17 | 0.0893 | " | 4.47 | 0.229 | 111 | 75-125 | 1.09 | 20 | |
| Copper | 52.9 | 8.93 | " | 44.7 | 12.1 | 91.3 | 75-125 | 0.456 | 20 | |
| Lead | 20.0 | 0.893 | " | 4.47 | 16.1 | 88.6 | 75-125 | 2.17 | 20 | |
| Nickel | 13.0 | 0.893 | " | 4.47 | 8.89 | 91.6 | 75-125 | 0.964 | 20 | |
| Selenium | 3.77 | 0.0893 | " | 4.47 | 0.205 | 79.8 | 75-125 | 3.06 | 20 | |
| Silver | 4.19 | 0.0893 | " | 4.47 | 0.0222 | 93.3 | 75-125 | 0.515 | 20 | |
| Zinc | 86.6 | 8.93 | " | 44.7 | 46.2 | 90.6 | 75-125 | 0.272 | 20 | |

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2425 - EPA 3580

Blank (B4A2425-BLK1)

Prepared: 01/24/2024 Analyzed: 01/26/2024

| | | | | | | | | | | |
|---------------------------------|-----|-------|-------|-----|--|------|--------|--|--|---|
| 1-Methylnaphthalene | ND | 0.002 | mg/kg | | | | | | | U |
| 2-Methylnaphthalene | ND | 0.002 | " | | | | | | | U |
| Acenaphthene | ND | 0.020 | " | | | | | | | U |
| Anthracene | ND | 0.020 | " | | | | | | | U |
| Benzo (a) anthracene | ND | 0.005 | " | | | | | | | U |
| Benzo (a) pyrene | ND | 0.020 | " | | | | | | | U |
| Benzo (b) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Benzo (g,h,i) perylene | ND | 0.020 | " | | | | | | | U |
| Benzo (k) fluoranthene | ND | 0.020 | " | | | | | | | U |
| Chrysene | ND | 0.020 | " | | | | | | | U |
| Dibenz (a,h) anthracene | ND | 0.020 | " | | | | | | | U |
| Fluoranthene | ND | 0.020 | " | | | | | | | U |
| Fluorene | ND | 0.020 | " | | | | | | | U |
| Indeno (1,2,3-cd) pyrene | ND | 0.020 | " | | | | | | | U |
| Naphthalene | ND | 0.002 | " | | | | | | | U |
| Phenanthrene | ND | 0.020 | " | | | | | | | U |
| Pyrene | ND | 0.020 | " | | | | | | | U |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 100 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 190 | | " | 200 | | 96.0 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 190 | | " | 200 | | 96.2 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 105 | 60-130 | | | |

LCS (B4A2425-BS1)

Prepared: 01/24/2024 Analyzed: 01/26/2024

| | | | | | | | | | | |
|---------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.204 | 0.002 | mg/kg | 0.200 | | 102 | 70-130 | | | |
| 2-Methylnaphthalene | 0.203 | 0.002 | " | 0.200 | | 102 | 70-130 | | | |
| Acenaphthene | 0.199 | 0.020 | " | 0.200 | | 99.7 | 70-130 | | | |
| Anthracene | 0.194 | 0.020 | " | 0.200 | | 97.0 | 70-130 | | | |

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Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2425 - EPA 3580

LCS (B4A2425-BS1)

Prepared: 01/24/2024 Analyzed: 01/26/2024

| | | | | | | | | | | |
|---------------------------------|-------|-------|-------|-------|--|------|--------|--|--|--|
| Benzo (a) anthracene | 0.206 | 0.005 | mg/kg | 0.200 | | 103 | 70-130 | | | |
| Benzo (a) pyrene | 0.211 | 0.020 | " | 0.200 | | 105 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.203 | 0.020 | " | 0.200 | | 102 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.199 | 0.020 | " | 0.200 | | 99.3 | 70-130 | | | |
| Benzo (k) fluoranthene | 0.207 | 0.020 | " | 0.200 | | 103 | 70-130 | | | |
| Chrysene | 0.199 | 0.020 | " | 0.200 | | 99.3 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.211 | 0.020 | " | 0.200 | | 106 | 70-130 | | | |
| Fluoranthene | 0.197 | 0.020 | " | 0.200 | | 98.4 | 70-130 | | | |
| Fluorene | 0.199 | 0.020 | " | 0.200 | | 99.5 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.212 | 0.020 | " | 0.200 | | 106 | 70-130 | | | |
| Naphthalene | 0.206 | 0.002 | " | 0.200 | | 103 | 70-130 | | | |
| Phenanthrene | 0.192 | 0.020 | " | 0.200 | | 96.0 | 70-130 | | | |
| Pyrene | 0.196 | 0.020 | " | 0.200 | | 97.9 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 99.5 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 97.6 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.7 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 104 | 60-130 | | | |

Matrix Spike (B4A2425-MS1)

Source: Y401538-01

Prepared: 01/24/2024 Analyzed: 01/26/2024

| | | | | | | | | | | |
|------------------------|-------|-------|-------|-------|--------|------|--------|--|--|--|
| 1-Methylnaphthalene | 0.201 | 0.002 | mg/kg | 0.200 | ND | 100 | 70-130 | | | |
| 2-Methylnaphthalene | 0.200 | 0.002 | " | 0.200 | ND | 100 | 70-130 | | | |
| Acenaphthene | 0.198 | 0.020 | " | 0.200 | ND | 98.8 | 70-130 | | | |
| Anthracene | 0.184 | 0.020 | " | 0.200 | 0.002 | 91.4 | 70-130 | | | |
| Benzo (a) anthracene | 0.199 | 0.005 | " | 0.200 | 0.0004 | 99.2 | 70-130 | | | |
| Benzo (a) pyrene | 0.199 | 0.020 | " | 0.200 | ND | 99.7 | 70-130 | | | |
| Benzo (b) fluoranthene | 0.206 | 0.020 | " | 0.200 | 0.0006 | 103 | 70-130 | | | |
| Benzo (g,h,i) perylene | 0.196 | 0.020 | " | 0.200 | ND | 98.2 | 70-130 | | | |

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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2425 - EPA 3580

| Matrix Spike (B4A2425-MS1) | | Source: Y401538-01 | | | Prepared: 01/24/2024 Analyzed: 01/26/2024 | | | | | |
|-----------------------------------|-------|---------------------------|-------|-------|---|------|--------|--|--|--|
| Benzo (k) fluoranthene | 0.208 | 0.020 | mg/kg | 0.200 | ND | 104 | 70-130 | | | |
| Chrysene | 0.206 | 0.020 | " | 0.200 | 0.0005 | 103 | 70-130 | | | |
| Dibenz (a,h) anthracene | 0.212 | 0.020 | " | 0.200 | ND | 106 | 70-130 | | | |
| Fluoranthene | 0.198 | 0.020 | " | 0.200 | 0.001 | 98.4 | 70-130 | | | |
| Fluorene | 0.196 | 0.020 | " | 0.200 | ND | 97.9 | 70-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.213 | 0.020 | " | 0.200 | ND | 107 | 70-130 | | | |
| Naphthalene | 0.202 | 0.002 | " | 0.200 | ND | 101 | 70-130 | | | |
| Phenanthrene | 0.189 | 0.020 | " | 0.200 | ND | 94.3 | 70-130 | | | |
| Pyrene | 0.193 | 0.020 | " | 0.200 | 0.001 | 96.2 | 70-130 | | | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 100 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 98.2 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 200 | | " | 200 | | 99.5 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 210 | | " | 200 | | 104 | 60-130 | | | |

| Matrix Spike Dup (B4A2425-MSD1) | | Source: Y401538-01 | | | Prepared: 01/24/2024 Analyzed: 01/26/2024 | | | | | |
|--|-------|---------------------------|-------|-------|---|------|--------|-------|----|--|
| 1-Methylnaphthalene | 0.200 | 0.002 | mg/kg | 0.200 | ND | 99.8 | 70-130 | 0.635 | 20 | |
| 2-Methylnaphthalene | 0.200 | 0.002 | " | 0.200 | ND | 99.8 | 70-130 | 0.301 | 20 | |
| Acenaphthene | 0.197 | 0.020 | " | 0.200 | ND | 98.6 | 70-130 | 0.135 | 20 | |
| Anthracene | 0.186 | 0.020 | " | 0.200 | 0.002 | 92.2 | 70-130 | 0.840 | 20 | |
| Benzo (a) anthracene | 0.189 | 0.005 | " | 0.200 | 0.0004 | 94.4 | 70-130 | 4.94 | 20 | |
| Benzo (a) pyrene | 0.194 | 0.020 | " | 0.200 | ND | 97.2 | 70-130 | 2.46 | 20 | |
| Benzo (b) fluoranthene | 0.195 | 0.020 | " | 0.200 | 0.0006 | 97.4 | 70-130 | 5.16 | 20 | |
| Benzo (g,h,i) perylene | 0.192 | 0.020 | " | 0.200 | ND | 96.1 | 70-130 | 2.13 | 20 | |
| Benzo (k) fluoranthene | 0.198 | 0.020 | " | 0.200 | ND | 99.1 | 70-130 | 4.84 | 20 | |
| Chrysene | 0.181 | 0.020 | " | 0.200 | 0.0005 | 90.5 | 70-130 | 12.6 | 20 | |
| Dibenz (a,h) anthracene | 0.200 | 0.020 | " | 0.200 | ND | 99.9 | 70-130 | 6.13 | 20 | |
| Fluoranthene | 0.197 | 0.020 | " | 0.200 | 0.001 | 98.2 | 70-130 | 0.226 | 20 | |

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2425 - EPA 3580

| Matrix Spike Dup (B4A2425-MSD1) | Source: Y401538-01 | | | Prepared: 01/24/2024 Analyzed: 01/26/2024 | | | | | | |
|---------------------------------|--------------------|-------|-------|---|-------|------|--------|--------|----|--|
| Fluorene | 0.196 | 0.020 | mg/kg | 0.200 | ND | 97.8 | 70-130 | 0.161 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.200 | 0.020 | " | 0.200 | ND | 100 | 70-130 | 6.18 | 20 | |
| Naphthalene | 0.202 | 0.002 | " | 0.200 | ND | 101 | 70-130 | 0.0337 | 20 | |
| Phenanthrene | 0.190 | 0.020 | " | 0.200 | ND | 95.2 | 70-130 | 0.909 | 20 | |
| Pyrene | 0.180 | 0.020 | " | 0.200 | 0.001 | 89.3 | 70-130 | 7.33 | 20 | |
| Surrogate: Fluorene-d10 | 200 | | ug/kg | 200 | | 100 | 60-130 | | | |
| Surrogate: Anthracene-d10 | 200 | | " | 200 | | 97.8 | 60-130 | | | |
| Surrogate: Pyrene-d10 | 180 | | " | 200 | | 92.5 | 60-130 | | | |
| Surrogate: Benzo (a) pyrene-d12 | 200 | | " | 200 | | 102 | 60-130 | | | |

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

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 B4A2608 - Saturated Paste Metals

Blank (B4A2608-BLK1)

Prepared: 01/26/2024 Analyzed: 01/29/2024

| | | | | | | | | | | |
|---------------|----|--------|------|--|--|--|--|--|--|--|
| 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 (B4A2608-DUP1)

Source: Y401558-01

Prepared: 01/26/2024 Analyzed: 01/29/2024

| | | | | | | | | | | |
|---------------|------|--------|------|--|-------|--|--|-------|-----|--|
| SAR | ND | 0.0100 | SAR | | 0.698 | | | | 200 | |
| Calcium PPM | 16.5 | 10.0 | mg/L | | 16.5 | | | 0.182 | 50 | |
| Magnesium PPM | 23.5 | 10.0 | " | | 23.6 | | | 0.424 | 50 | |
| Sodium PPM | 19.3 | 10.0 | " | | 18.9 | | | 2.46 | 50 | |

Batch B4A2612 - DTPA Sorbitol Preparation

Blank (B4A2612-BLK1)

Prepared: 01/26/2024 Analyzed: 01/30/2024

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

Duplicate (B4A2612-DUP1)

Source: Y401543-03

Prepared: 01/26/2024 Analyzed: 01/30/2024

| | | | | | | | | | | |
|-------|--------|--------|------|--|--------|--|--|--------|----|--|
| Boron | 0.0468 | 0.0995 | mg/L | | 0.0467 | | | 0.0555 | 50 | |
|-------|--------|--------|------|--|--------|--|--|--------|----|--|

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Verdad Resources
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 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Saturated Paste - Quality Control
Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|----------|-------------|---|------|-------------|-------|-----------|-------|
| Batch B4A2616 - Saturated Paste pH/EC | | | | | | | | | | |
| Blank (B4A2616-BLK1) | | | | | Prepared: 01/26/2024 Analyzed: 01/27/2024 | | | | | |
| Specific Conductance (EC) | ND | 0.00500 | mmhos/cm | | | | | | | |
| Duplicate (B4A2616-DUP1) | | | | | Source: Y401558-01 Prepared: 01/26/2024 Analyzed: 01/27/2024 | | | | | |
| pH | 8.46 | | pH Units | | 8.44 | | | 0.237 | 25 | |
| Specific Conductance (EC) | 0.380 | 0.00500 | mmhos/cm | | 0.364 | | | 4.19 | 25 | |

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Verdad Resources
 1125 17th St Suite 550
 Denver CO 80202

Dean Wagoner
 Project Number: [none]
 Project: Timbro 1-41-9-59

Total Metals by 7196A - Quality Control
Waypoint Analytical, LLC.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|--------|--------------------------------|-------|-------------|--------------------------------|------|-------------|-----|-----------|-------|
| Batch L729952 - | | | | | | | | | | |
| DUP (L 88438-DUP) | | Source: 88438 | | | Prepared: Analyzed: 01/30/2024 | | | | | |
| Chromium, Hexavalent | ND | 0.512 | mg/Kg | | <0.512 | | - | 2.3 | 20 | |
| MS (L 88438-MS) | | Source: 88438 | | | Prepared: Analyzed: 01/30/2024 | | | | | |
| Chromium, Hexavalent | 25.3 | 2.56 | mg/Kg | 41 | < 0.244 | 62 | 75-125 | | | * |
| LCS (LCS) | | Prepared: Analyzed: 01/30/2024 | | | | | | | | |
| Chromium, Hexavalent | 6.11 | 0.5 | mg/Kg | 8 | | 76 | 75-125 | | | |
| LRB (LRB) | | Prepared: Analyzed: 01/30/2024 | | | | | | | | |
| Chromium, Hexavalent | ND | 0.5 | mg/Kg | | | | - | | | |

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Verdad Resources
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Denver CO 80202

Dean Wagoner
Project Number: [none]
Project: Timbro 1-41-9-59

Notes and Definitions

U Sample is Non-Detect.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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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