

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

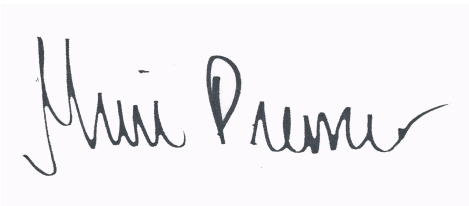
303.277.9310

August 17, 2021

Brent Hedstrom
Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie, WY 82070
RE: Morgan Hills 1E-7H
Work Order #2108083

Enclosed are the results of analyses for samples received by Summit Scientific on 08/05/21 14:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", is displayed on a light purple rectangular background.

Muri Premier For Paul Shrewsbury
President



Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Morgan Hills 1E-7H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
08/17/21 10:07

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------|---------------|--------|----------------|----------------|
| Surface Casing | 2108083-01 | Water | 07/16/21 00:00 | 08/05/21 14:00 |

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2108083

Summit Scientific

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4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: Crestone Peak Resources

Project Manager: Brent Hedstrom

Address: 10188 East I-25 Frontage road

E-Mail: brent.hedstrom@crestonepr.com

City/State/Zip: Firestone, CO 80504

LOE C81148 8503

COGCC 446282

Phone: 303-434-3007

Project Name: Morgan Hills 1E-7H

Sampler Name:

Project Number:

| | | | | | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|---------|-----|-----------|-----|-----|---------|--|----------------------|
| ID | Sample Description | Date Sampled | Time Sampled | # of containers | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | Anion | Cations | TDS | BTEX 8020 | DRO | GRO | RSK-175 | | |
| 1 | Surface Casing | 7/16/2021 | | 2 | | | | | | | | | X | X | X | X | X | X | X | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|----------------------------|-------------------------------|-------------------------------|-------------------------------|--|--------|
| Relinquished by: <i>BS</i> | Date/Time: <i>8/3/21 1400</i> | Received by: <i>Will Del-</i> | Date/Time: <i>8/5/21 1400</i> | Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: Temperature Upon Receipt: <i>3.4</i> Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |

www.s2scientific.com

Sample Receipt Checklist

S2 Work Order 2108083

Client: Crestone Client Project ID: Morgan Hills IE-7H

Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____

Matrix (check all that apply): ☒ Air ☐ Soil/Solid ☒ Water ☐ Other: _____ (Describe)

Temp (°C) 3.4

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|-------------------------------------|-------------------------------------|------------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | ANIONS |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | HNO3 to be added @ Lab |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

Additional Comments (if any):

HNO3 needs ADDED @ digestion

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

LG
Custodian Printed Name or Initials

Will Ral.
Signature of Custodian

8/5/21
Date/Time



Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Morgan Hills 1E-7H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
08/17/21 10:07

Surface Casing
2108083-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/16/21 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|----------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 1800 | 1000 | ug/l | 1000 | BEH0129 | 08/09/21 | 08/10/21 | EPA 8260B | |
| Toluene | 19000 | 1000 | " | " | " | " | " | " | |
| Ethylbenzene | 13000 | 1000 | " | " | " | " | " | " | |
| Xylenes (total) | 100000 | 2000 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 30000000 | 5000000 | " | 10000 | " | " | " | " | |

Date Sampled: **07/16/21 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 95.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 172 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/16/21 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|---------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 1100000 | 50 | mg/L | 10 | BEH0127 | 08/09/21 | 08/10/21 | EPA 8015M | |

Date Sampled: **07/16/21 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|----------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 1200 % | 58.9-148 | | " | " | " | " | S-02 |

Summit Scientific

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2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Morgan Hills 1E-7H

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
08/17/21 10:07

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEH0129 - EPA 5030 Water MS

Blank (BEH0129-BLK1)

Prepared: 08/09/21 Analyzed: 08/10/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 500 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.3 | | " | 13.3 | | 77.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.9 | | " | 13.3 | | 97.1 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 11.6 | | " | 13.3 | | 86.8 | 21-167 | | | |

LCS (BEH0129-BS1)

Prepared: 08/09/21 Analyzed: 08/10/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 36.0 | 1.0 | ug/l | 41.7 | | 86.4 | 70-130 | | | |
| Toluene | 39.9 | 1.0 | " | 41.7 | | 95.8 | 70-130 | | | |
| Ethylbenzene | 45.5 | 1.0 | " | 41.7 | | 109 | 70-130 | | | |
| m,p-Xylene | 94.7 | 2.0 | " | 83.3 | | 114 | 70-130 | | | |
| o-Xylene | 47.6 | 1.0 | " | 41.7 | | 114 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.5 | | " | 13.3 | | 78.8 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.8 | | " | 13.3 | | 96.2 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 11.9 | | " | 13.3 | | 89.6 | 21-167 | | | |

Matrix Spike (BEH0129-MS1)

Source: 2108079-01

Prepared: 08/09/21 Analyzed: 08/10/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 38.2 | 1.0 | ug/l | 41.7 | ND | 91.8 | 70-130 | | | |
| Toluene | 41.8 | 1.0 | " | 41.7 | ND | 100 | 70-130 | | | |
| Ethylbenzene | 45.6 | 1.0 | " | 41.7 | ND | 109 | 70-130 | | | |
| m,p-Xylene | 94.7 | 2.0 | " | 83.3 | ND | 114 | 70-130 | | | |
| o-Xylene | 47.4 | 1.0 | " | 41.7 | ND | 114 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.7 | | " | 13.3 | | 80.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.4 | | " | 13.3 | | 101 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.0 | | " | 13.3 | | 90.2 | 21-167 | | | |

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2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Morgan Hills 1E-7H

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
08/17/21 10:07

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch BEH0129 - EPA 5030 Water MS

| Matrix Spike Dup (BEH0129-MSD1) | Source: 2108079-01 | | | Prepared: 08/09/21 Analyzed: 08/10/21 | | | | | | |
|----------------------------------|--------------------|-----|------|---------------------------------------|----|------|--------|-------|----|--|
| Benzene | 37.3 | 1.0 | ug/l | 41.7 | ND | 89.5 | 70-130 | 2.54 | 30 | |
| Toluene | 41.0 | 1.0 | " | 41.7 | ND | 98.4 | 70-130 | 1.86 | 30 | |
| Ethylbenzene | 45.7 | 1.0 | " | 41.7 | ND | 110 | 70-130 | 0.263 | 30 | |
| m,p-Xylene | 94.6 | 2.0 | " | 83.3 | ND | 113 | 70-130 | 0.106 | 30 | |
| o-Xylene | 46.8 | 1.0 | " | 41.7 | ND | 112 | 70-130 | 1.34 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.4 | | " | 13.3 | | 78.2 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.0 | | " | 13.3 | | 97.5 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 11.8 | | " | 13.3 | | 88.4 | 21-167 | | | |

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Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Morgan Hills 1E-7H

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
08/17/21 10:07

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BEH0127 - EPA 3520B

Blank (BEH0127-BLK1)

Prepared: 08/09/21 Analyzed: 08/10/21

C10-C28 (DRO) ND 5.0 mg/L

LCS (BEH0127-BS1)

Prepared: 08/09/21 Analyzed: 08/10/21

C10-C28 (DRO) 56.9 5.0 mg/L 50.0 114 70-130

Matrix Spike (BEH0127-MS1)

Source: 2108084-01

Prepared: 08/09/21 Analyzed: 08/10/21

C10-C28 (DRO) 56.2 5.0 mg/L 50.0 3.17 106 70-130

Matrix Spike Dup (BEH0127-MSD1)

Source: 2108084-01

Prepared: 08/09/21 Analyzed: 08/10/21

C10-C28 (DRO) 54.5 5.0 mg/L 50.0 3.17 103 70-130 2.93 20

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Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie WY, 82070

Project: Morgan Hills 1E-7H
Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
08/17/21 10:07

Notes and Definitions

| | |
|------|--|
| S-02 | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |