



LEGEND

| | |
|--|---------------------------|
| | FENCE LINE |
| | CONTAINMENT BERM |
| | ABOVE GROUND STORAGE TANK |
| | FORMER FACILITY |

Figure 1
SITE MAP

Noble Daniels PMK 5-8
Facility ID - 326987
SE NE Section 5, T4N, R66W
Weld County, Colorado

| | | | |
|--------------------------------|---------------------------|--------------------------|--|
| API No. 05-123-13973 | Prepared by JMA | Drawn by JMA | |
| Date 7/28/16 | Reviewed by | Filename V040A | |

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 17, 2016

Paul Henehan
Fremont Environmental
1759 Redwing Lane
Broomfield, CO 80020
RE: Noble - Daniels PMK 5-8

Enclosed are the results of analyses for samples received by Summit Scientific on 07/15/16 18:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| W5' | 1607097-01 | Soil | 07/15/16 00:00 | 07/15/16 18:15 |
| F7' | 1607097-02 | Soil | 07/15/16 00:00 | 07/15/16 18:15 |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

Summit Scientific 1607097

S₂

741 Corporate Circle, Suite J ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933

Page 1 of 1

Client: Fremont Env. Project Manager: Paul H.
Address: _____ E-Mail: _____
City/State/Zip: _____
Phone: _____ Fax: _____ Project Name: Noble - Daniels PMK 5-8 Howard
Sampler Name: M Taylor Project Number: _____

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-----------------|-------------|------|----------------|-----------------|--------------------|---------|-------|-----|----------------------|
| | | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air-Canister # | Other (Specify) | STEX | Grp/Grp | Depth | SAR | |
| 1 | W5 | 7/15/16 | | | | | | | | | | | | | | | |
| 2 | F7 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------------------------------------------------------|--------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>7/15/16 14:00</u> | Received by: <u>[Signature]</u> | Date/Time: <u>7-15-16 14:00</u> | Turn Around Time (Check) | Notes: |
| | | | | Same Day <input checked="" type="checkbox"/> 72 hours <input type="checkbox"/> | |
| | | | | 24 hours <input type="checkbox"/> Standard <input type="checkbox"/> | |
| | | | | 48 hours <input type="checkbox"/> | |
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>7-15-16 18:30</u> | Received by: | Date/Time: | Sample Integrity: | |
| | | | | Temperature Upon Receipt: <u>9.5</u> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |

www.s2scientific.com

Summit Scientific

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[Signature]



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

Sample Receipt Checklist

S2 Work Order: 1607097

Client: Fremont

Client Project ID: Noble - Daniels & Pmk 5-8 Howard

Shipped Via: _____

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

Airbill #: _____

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

| | | | | | |
|-----------|-----|--|--|--|--|
| Cooler ID | | | | | |
| Temp (°C) | 9.5 | | | | |

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----|-------------------|
| If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ? | | | X | |
| NOTE: If samples are delivered the same day of sampling, this requirement is waived provided that there is evidence that cooling has begun. | | | | |
| Were all samples received intact ⁽¹⁾ ? | X | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | X | | | |
| If custody seals are present, are they intact ⁽¹⁾ ? | | | X | |
| Are short holding time analytes or samples with HTs due within 48 hours present? | X | | | |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | X | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | X | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | X | | | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | X | | | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | | | X | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? | | | X | |
| Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | | | | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? | | | X | |
| Record the pH in Comments. | | | | |
| If dissolved metals are requested, were samples field filtered? | | | X | |
| Additional Comments (if any): | | | | |
| | | | | |
| ⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative. | | | | |

Muri P.
Custodian Printed Name

PA 7-15-16
Signature or Initials of Custodian

18:33
Date/Time



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

W5'
1607097-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1607140 | 07/15/16 | 07/16/16 | 8015M | |

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 96.6 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1607142 | 07/15/16 | 07/16/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 93.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.5 % | 21-167 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/Mod. USDA60 6(2, 3A) - Dry Weight Basis

Date Sampled: 07/15/16 00:00

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

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

W5'
1607097-01 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/Mod. USDA60 6(2, 3A) - Dry Weight Basis

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-------|-----------|----------|---------|----------|----------|-------------------------------|-------|
| Calcium | 497 | 9.52 | mg/kg dry | 1 | 1607146 | 07/15/16 | 07/15/16 | EPA 6020/Mod. USDA60 6(2, 3A) | |
| Magnesium | 451 | 4.76 | " | " | " | " | " | " | |
| Sodium | 37.8 | 4.76 | " | " | " | " | " | " | |

Date Sampled: 07/15/16 00:00

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-------|-------|----------|---------|----------|----------|--------|-------|
| Sodium Adsorption Ratio | 0.300 | | units | " | 1607149 | 07/17/16 | 07/17/16 | " | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: 07/15/16 00:00

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|--------|----------|----------|---------|----------|----------|----------|-------|
| Specific Conductance (EC) | 0.823 | 0.0100 | mmhos/cm | 1 | 1607138 | 07/15/16 | 07/15/16 | SM 2510B | |

Date Sampled: 07/15/16 00:00

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-------|----------|----------|---------|----------|----------|----------|-------|
| pH | 8.23 | 0.100 | pH Units | " | 1607136 | 07/15/16 | 07/15/16 | EPA 9045 | |

Date Sampled: 07/15/16 00:00

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-------|-------|----------|---------|----------|----------|---------------|-------|
| % Solids | 81.9 | | % | " | 1607145 | 07/15/16 | 07/17/16 | % calculation | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

F7'
1607097-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1607140 | 07/15/16 | 07/16/16 | 8015M | |

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 98.3 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1607142 | 07/15/16 | 07/16/16 | EPA 8260B | |
| Benzene | ND | 0.0020 | " | " | " | " | " | " | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 50 | " | " | " | " | " | " | |

Date Sampled: 07/15/16 00:00

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 95.3 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.3 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.8 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

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 1607140 - EPA 3550A

Blank (1607140-BLK1)

Prepared: 07/15/16 Analyzed: 07/16/16

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.7 " 12.5 102 30-150

LCS (1607140-BS1)

Prepared: 07/15/16 Analyzed: 07/16/16

C10-C28 (DRO) 605 50 mg/kg 499 121 73-134

Surrogate: o-Terphenyl 13.7 " 12.5 109 30-150

Matrix Spike (1607140-MS1)

Source: 1607085-21

Prepared: 07/15/16 Analyzed: 07/16/16

C10-C28 (DRO) 741 50 mg/kg 484 108 131 50-148

Surrogate: o-Terphenyl 14.7 " 12.1 121 30-150

Matrix Spike Dup (1607140-MSD1)

Source: 1607085-21

Prepared: 07/15/16 Analyzed: 07/16/16

C10-C28 (DRO) 728 50 mg/kg 497 108 125 50-148 1.84 20

Surrogate: o-Terphenyl 15.0 " 12.5 120 30-150

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8
Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

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 1607142 - EPA 5030 Soil MS

Blank (1607142-BLK1)

Prepared & Analyzed: 07/15/16

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0363 | | " | 0.0400 | | 90.8 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0404 | | " | 0.0400 | | 101 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0380 | | " | 0.0400 | | 95.0 | 21-167 | | | |

LCS (1607142-BS1)

Prepared & Analyzed: 07/15/16

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | 66-138 | | | |
| Benzene | 0.0949 | 0.0020 | " | 0.100 | | 94.9 | 58-130 | | | |
| Toluene | 0.111 | 0.0050 | " | 0.100 | | 111 | 61-134 | | | |
| Ethylbenzene | 0.117 | 0.0050 | " | 0.0992 | | 118 | 74-139 | | | |
| m,p-Xylene | 0.240 | 0.010 | " | 0.200 | | 120 | 73-137 | | | |
| o-Xylene | 0.113 | 0.0050 | " | 0.0980 | | 115 | 73-141 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0354 | | " | 0.0400 | | 88.4 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0392 | | " | 0.0400 | | 97.9 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0383 | | " | 0.0400 | | 95.8 | 21-167 | | | |

Matrix Spike (1607142-MS1)

Source: 1607076-01

Prepared & Analyzed: 07/15/16

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | | |
| Benzene | 0.0964 | 0.0020 | " | 0.100 | ND | 96.4 | 30-131 | | | |
| Toluene | 0.111 | 0.0050 | " | 0.100 | ND | 111 | 30-134 | | | |
| Ethylbenzene | 0.117 | 0.0050 | " | 0.0992 | ND | 118 | 22-153 | | | |
| m,p-Xylene | 0.238 | 0.010 | " | 0.200 | ND | 119 | 10-159 | | | |
| o-Xylene | 0.112 | 0.0050 | " | 0.0980 | ND | 115 | 31-151 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0391 | | " | 0.0400 | | 97.7 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0392 | | " | 0.0400 | | 98.0 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0390 | | " | 0.0400 | | 97.6 | 21-167 | | | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

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 1607142 - EPA 5030 Soil MS

| Matrix Spike Dup (1607142-MSD1) | | Source: 1607076-01 | | | Prepared & Analyzed: 07/15/16 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|-------|----|--|
| Naphthalene | ND | 0.010 | mg/kg | | ND | | 10-158 | | 42 | |
| Benzene | 0.0972 | 0.0020 | " | 0.100 | ND | 97.2 | 30-131 | 0.837 | 34 | |
| Toluene | 0.112 | 0.0050 | " | 0.100 | ND | 112 | 30-134 | 1.10 | 30 | |
| Ethylbenzene | 0.116 | 0.0050 | " | 0.0992 | ND | 117 | 22-153 | 1.29 | 24 | |
| m,p-Xylene | 0.237 | 0.010 | " | 0.200 | ND | 119 | 10-159 | 0.519 | 68 | |
| o-Xylene | 0.113 | 0.0050 | " | 0.0980 | ND | 116 | 31-151 | 0.956 | 38 | |
| <hr/> | | | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0389 | | " | 0.0400 | | 97.3 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0388 | | " | 0.0400 | | 97.0 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0371 | | " | 0.0400 | | 92.8 | 21-167 | | | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8
Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

Soluble Nutrients by EPA 6020/Mod. USDA60 6(2, 3A) - Dry Weight Basis - Quality Control
Summit Scientific

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

Batch 1607146 - General Preparation

Blank (1607146-BLK1)

Prepared & Analyzed: 07/15/16

| | | | |
|-----------|----|------|-----------|
| Calcium | ND | 10.0 | mg/kg wet |
| Magnesium | ND | 5.00 | " |
| Sodium | ND | 5.00 | " |

LCS (1607146-BS1)

Prepared & Analyzed: 07/15/16

| | | | | | | |
|-----------|-----|------|-----------|-----|------|----------|
| Calcium | 495 | 10.0 | mg/kg wet | 500 | 99.0 | 82.9-118 |
| Magnesium | 464 | 5.00 | " | 500 | 92.9 | 77.1-123 |
| Sodium | 505 | 5.00 | " | 500 | 101 | 71-129 |

Duplicate (1607146-DUP1)

Source: 1607097-01

Prepared & Analyzed: 07/15/16

| | | | | | | |
|-----------|------|------|-----------|------|------|-----|
| Calcium | 538 | 9.52 | mg/kg dry | 497 | 8.02 | 200 |
| Magnesium | 428 | 4.76 | " | 451 | 5.31 | 200 |
| Sodium | 36.2 | 4.76 | " | 37.8 | 4.20 | 200 |

Matrix Spike (1607146-MS1)

Source: 1607097-01

Prepared & Analyzed: 07/15/16

| | | | | | | | |
|-----------|-----|------|-----------|-----|------|------|--------|
| Calcium | 857 | 9.52 | mg/kg dry | 476 | 497 | 75.8 | 75-125 |
| Magnesium | 882 | 4.76 | " | 476 | 451 | 90.4 | 75-125 |
| Sodium | 504 | 4.76 | " | 476 | 37.8 | 97.9 | 75-125 |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

Batch 1607136 - General Preparation

LCS (1607136-BS1)

Prepared & Analyzed: 07/15/16

| | | | | | | |
|----|------|-------|----------|------|-----|--------|
| pH | 8.05 | 0.100 | pH Units | 8.00 | 101 | 95-105 |
|----|------|-------|----------|------|-----|--------|

Duplicate (1607136-DUP1)

Source: 1607081-01

Prepared & Analyzed: 07/15/16

| | | | | | | |
|----|------|-------|----------|------|------|----|
| pH | 9.23 | 0.100 | pH Units | 9.12 | 1.20 | 20 |
|----|------|-------|----------|------|------|----|

Batch 1607138 - General Preparation

Blank (1607138-BLK1)

Prepared & Analyzed: 07/15/16

| | | | |
|---------------------------|----|--------|----------|
| Specific Conductance (EC) | ND | 0.0100 | mmhos/cm |
|---------------------------|----|--------|----------|

LCS (1607138-BS1)

Prepared & Analyzed: 07/15/16

| | | | | | | |
|---------------------------|-------|--------|----------|-------|------|--------|
| Specific Conductance (EC) | 0.499 | 0.0100 | mmhos/cm | 0.500 | 99.8 | 90-110 |
|---------------------------|-------|--------|----------|-------|------|--------|

Duplicate (1607138-DUP1)

Source: 1607081-01

Prepared & Analyzed: 07/15/16

| | | | | | | |
|---------------------------|------|--------|----------|------|------|----|
| Specific Conductance (EC) | 3.23 | 0.0100 | mmhos/cm | 3.17 | 1.94 | 20 |
|---------------------------|------|--------|----------|------|------|----|

Batch 1607145 - General Preparation

Duplicate (1607145-DUP1)

Source: 1607097-01

Prepared: 07/15/16 Analyzed: 07/17/16

| | | | | | | |
|----------|------|--|---|------|-------|----|
| % Solids | 81.3 | | % | 81.9 | 0.735 | 20 |
|----------|------|--|---|------|-------|----|

Summit Scientific

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.



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Daniels PMK 5-8

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/17/16 14:53

Notes and Definitions

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

Summit Scientific

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A handwritten signature in black ink, appearing to be 'MSM'.