



LEGEND

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

Figure 1
SITE MAP

Noble Alles 31-2
Facility ID - 329458
NW NE Section 31, T5N, R63W
Weld County, Colorado

API No.
05-123-17389

Prepared by

Drawn by
JMA

Date
8/9/17

Reviewed by

Filename
V141A



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

July 27, 2017

Paul Henehan
Fremont Environmental
1759 Redwing Lane
Broomfield, CO 80020
RE: Noble - Alles 31-02

Enclosed are the results of analyses for samples received by Summit Scientific on 07/21/17 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ben Shrewsbury', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury
Laboratory Manager



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| N Wall 3 Ft | 1707166-01 | Soil | 07/21/17 00:00 | 07/21/17 17:30 |
| Floor 5 Ft | 1707166-02 | Soil | 07/21/17 00:00 | 07/21/17 17:30 |

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.

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

Summit Scientific

1707166

S₂

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

Client: Fremont Environmental

Project Manager: Paul Henehan

Address: P.O. Box 1289

E-Mail: paulh@fremontenv.com

City/State/Zip: PO Box 1829 Wellington, CO 80549

Phone: 303-956-8714

Fax:

Project Name: NOBLE - ALLES 31-02

Sampler Name: HENEHAN

Project Number:

Page 1 of 1

| 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) | BTEX | GRO/DRO | Napthalene | SAR | EC | Ph | |
| 1 | N. WALL 3 FT | 7/21/17 | | 1 | | | ✓ | | | ✓ | | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2 | FLOOR 5 FT | " | | 1 | | | ✓ | | | ✓ | | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|--------------------------------|--------------------------|-------------------------|--------------------------|--|---------------|
| Relinquished by: <i>PAH/FE</i> | Date/Time: 7/21/17 17:30 | Received by: <i>PAH</i> | Date/Time: 7-21-17 17:30 | 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"/> Sample Integrity: Temperature Upon Receipt: 19.1 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |

Sample Receipt Checklist

1707166

S2 Work Order: _____

Client: FREMONT Client Project ID: NOBLE-ALES 31-02

Shipped Via: P.U. Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

| | | | | | |
|-----------|------|--|--|--|--|
| Cooler ID | | | | | |
| Temp (°C) | 18.1 | | | | |

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. | X | | | |
| 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⁾ ? | | | | |
| Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | | | X | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? | | | X | |
| Record the pH in Comments. | | | X | |
| 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.

Murip.
Custodian Printed Name

DA 7.21-17
Signature or Initials of Custodian

18:15
Date/Time



Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

N Wall 3 Ft
1707166-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1707207 | 07/21/17 | 07/24/17 | 8015M | |

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 116 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1707206 | 07/21/17 | 07/24/17 | 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: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.2 % | 21-167 | | " | " | " | " | |

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

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-----------|----------|---------|----------|----------|----------------------------------|-------|
| Calcium | 1440 | 10.6 | mg/kg dry | 1 | 1707234 | 07/26/17 | 07/26/17 | EPA 6020/Mod. USDA60 6(2, 3A) | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

N Wall 3 Ft
1707166-01 (Soil)

Summit Scientific

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

| | | | | | | | | |
|-------------------------|-------|------|-----------|---|---------|----------|----------|----------------------------------|
| Magnesium | 242 | 5.31 | mg/kg dry | 1 | 1707234 | 07/26/17 | 07/26/17 | EPA 6020/Mod. USDA60 6(2, 3A) |
| Sodium | 22.8 | 5.31 | " | " | " | " | " | " |
| Sodium Adsorption Ratio | 0.146 | | units | " | 1707251 | 07/27/17 | 07/27/17 | " |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------|----------|----------|---------|----------|----------|---------------|-------|
| | | Limit | Units | | | | | | |
| pH | 8.69 | 0.100 | pH Units | 1 | 1707217 | 07/25/17 | 07/25/17 | EPA 9045 | |
| Specific Conductance (EC) | 0.366 | 0.0100 | mmhos/cm | " | 1707218 | 07/25/17 | 07/25/17 | SM 2510B | |
| % Solids | 94.1 | | % | " | 1707233 | 07/26/17 | 07/27/17 | % calculation | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

Floor 5 Ft
1707166-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|--------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1707207 | 07/21/17 | 07/24/17 | 8015M | |

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 117 % | 30-150 | | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Naphthalene | ND | 0.010 | mg/kg | 1 | 1707206 | 07/21/17 | 07/24/17 | 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: **07/21/17 00:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.0 % | 21-167 | | " | " | " | " | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

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 1707207 - EPA 3550A

Blank (1707207-BLK1)

Prepared & Analyzed: 07/21/17

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 14.6 " 12.5 117 30-150

LCS (1707207-BS1)

Prepared & Analyzed: 07/21/17

C10-C28 (DRO) 598 50 mg/kg 499 120 73-134

Surrogate: o-Terphenyl 15.7 " 12.5 126 30-150

Matrix Spike (1707207-MS1)

Source: 1707164-01

Prepared & Analyzed: 07/21/17

C10-C28 (DRO) 560 50 mg/kg 499 40.0 104 50-148

Surrogate: o-Terphenyl 14.2 " 12.5 113 30-150

Matrix Spike Dup (1707207-MSD1)

Source: 1707164-01

Prepared & Analyzed: 07/21/17

C10-C28 (DRO) 567 50 mg/kg 499 40.0 106 50-148 1.28 20

Surrogate: o-Terphenyl 14.2 " 12.5 114 30-150

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

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 1707206 - EPA 5030 Soil MS

Blank (1707206-BLK1)

Prepared: 07/21/17 Analyzed: 07/22/17

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | 0.0421 | | " | 0.0400 | | 105 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0407 | | " | 0.0400 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0382 | | " | 0.0400 | | 95.5 | 21-167 | | | |

LCS (1707206-BS1)

Prepared: 07/21/17 Analyzed: 07/22/17

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Naphthalene | ND | 0.010 | mg/kg | | | | 66-138 | | | |
| Benzene | 0.0842 | 0.0020 | " | 0.100 | | 84.2 | 58-130 | | | |
| Toluene | 0.0987 | 0.0050 | " | 0.100 | | 98.7 | 61-134 | | | |
| Ethylbenzene | 0.113 | 0.0050 | " | 0.0992 | | 114 | 74-139 | | | |
| m,p-Xylene | 0.219 | 0.010 | " | 0.200 | | 110 | 73-137 | | | |
| o-Xylene | 0.106 | 0.0050 | " | 0.0980 | | 108 | 73-141 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0410 | | " | 0.0400 | | 102 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0389 | | " | 0.0400 | | 97.2 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0384 | | " | 0.0400 | | 95.9 | 21-167 | | | |

Matrix Spike (1707206-MS1)

Source: 1707164-01

Prepared: 07/21/17 Analyzed: 07/22/17

| | | | | | | | | | | |
|----------------------------------|---------|--------|-------|--------|---------|------|--------|--|--|--|
| Naphthalene | 0.00882 | 0.010 | mg/kg | | 0.00948 | | 10-158 | | | |
| Benzene | 0.0856 | 0.0020 | " | 0.100 | ND | 85.6 | 30-131 | | | |
| Toluene | 0.0987 | 0.0050 | " | 0.100 | ND | 98.7 | 30-134 | | | |
| Ethylbenzene | 0.132 | 0.0050 | " | 0.0992 | 0.0217 | 112 | 22-153 | | | |
| m,p-Xylene | 0.356 | 0.010 | " | 0.200 | 0.206 | 74.7 | 10-159 | | | |
| o-Xylene | 0.121 | 0.0050 | " | 0.0980 | 0.0217 | 102 | 31-151 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0416 | | " | 0.0400 | | 104 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0388 | | " | 0.0400 | | 96.9 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0429 | | " | 0.0400 | | 107 | 21-167 | | | |

Summit Scientific

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

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 1707206 - EPA 5030 Soil MS

| Matrix Spike Dup (1707206-MSD1) | | Source: 1707164-01 | | | Prepared: 07/21/17 Analyzed: 07/22/17 | | | | | |
|----------------------------------|---------|--------------------|-------|--------|---------------------------------------|------|--------|-------|----|--|
| Naphthalene | 0.00930 | 0.010 | mg/kg | | 0.00948 | | 10-158 | 5.30 | 42 | |
| Benzene | 0.0854 | 0.0020 | " | 0.100 | ND | 85.4 | 30-131 | 0.316 | 34 | |
| Toluene | 0.0998 | 0.0050 | " | 0.100 | ND | 99.8 | 30-134 | 1.09 | 30 | |
| Ethylbenzene | 0.136 | 0.0050 | " | 0.0992 | 0.0217 | 115 | 22-153 | 2.66 | 24 | |
| m,p-Xylene | 0.407 | 0.010 | " | 0.200 | 0.206 | 100 | 10-159 | 13.4 | 68 | |
| o-Xylene | 0.126 | 0.0050 | " | 0.0980 | 0.0217 | 106 | 31-151 | 3.52 | 38 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 0.0418 | " | 0.0400 | | 104 | 23-173 | | | |
| Surrogate: Toluene-d8 | | 0.0391 | " | 0.0400 | | 97.8 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | | 0.0424 | " | 0.0400 | | 106 | 21-167 | | | |

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

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

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

Batch 1707234 - General Preparation

Blank (1707234-BLK1)

Prepared & Analyzed: 07/26/17

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

LCS (1707234-BS1)

Prepared & Analyzed: 07/26/17

| | | | | | | |
|-----------|-----|------|-----------|-----|------|----------|
| Calcium | 503 | 10.0 | mg/kg wet | 500 | 101 | 82.9-118 |
| Magnesium | 476 | 5.00 | " | 500 | 95.3 | 77.1-123 |
| Sodium | 467 | 5.00 | " | 500 | 93.5 | 71-129 |

Duplicate (1707234-DUP1)

Source: 1707166-01

Prepared & Analyzed: 07/26/17

| | | | | | | |
|-----------|------|------|-----------|------|------|-----|
| Calcium | 1540 | 10.6 | mg/kg dry | 1440 | 6.62 | 200 |
| Magnesium | 233 | 5.31 | " | 242 | 3.78 | 200 |
| Sodium | 23.7 | 5.31 | " | 22.8 | 3.83 | 200 |

Matrix Spike (1707234-MS1)

Source: 1707166-01

Prepared & Analyzed: 07/26/17

| | | | | | | | |
|-----------|------|------|-----------|-----|------|------|--------|
| Calcium | 1870 | 10.6 | mg/kg dry | 531 | 1440 | 81.1 | 75-125 |
| Magnesium | 714 | 5.31 | " | 531 | 242 | 88.9 | 75-125 |
| Sodium | 497 | 5.31 | " | 531 | 22.8 | 89.3 | 75-125 |

Matrix Spike Dup (1707234-MSD1)

Source: 1707166-01

Prepared & Analyzed: 07/26/17

| | | | | | | | | | |
|-----------|------|------|-----------|-----|------|------|--------|-------|----|
| Calcium | 1870 | 10.6 | mg/kg dry | 531 | 1440 | 80.6 | 75-125 | 0.147 | 25 |
| Magnesium | 728 | 5.31 | " | 531 | 242 | 91.4 | 75-125 | 1.86 | 25 |
| Sodium | 550 | 5.31 | " | 531 | 22.8 | 99.2 | 75-125 | 10.0 | 25 |

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Fremont Environmental
1759 Redwing Lane
Broomfield CO, 80020

Project: Noble - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

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

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

Batch 1707217 - General Preparation

LCS (1707217-BS1)

Prepared & Analyzed: 07/25/17

| | | | | | | |
|----|------|-------|----------|------|-----|--------|
| pH | 8.04 | 0.100 | pH Units | 8.00 | 100 | 95-105 |
|----|------|-------|----------|------|-----|--------|

Duplicate (1707217-DUP1)

Source: 1707164-01

Prepared & Analyzed: 07/25/17

| | | | | | | |
|----|------|-------|----------|------|-------|----|
| pH | 7.47 | 0.100 | pH Units | 7.40 | 0.941 | 20 |
|----|------|-------|----------|------|-------|----|

Batch 1707218 - General Preparation

Blank (1707218-BLK1)

Prepared & Analyzed: 07/25/17

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

LCS (1707218-BS1)

Prepared & Analyzed: 07/25/17

| | | | | | | |
|---------------------------|-------|--------|----------|-------|-----|--------|
| Specific Conductance (EC) | 0.754 | 0.0100 | mmhos/cm | 0.750 | 100 | 90-110 |
|---------------------------|-------|--------|----------|-------|-----|--------|

Duplicate (1707218-DUP1)

Source: 1707164-01

Prepared & Analyzed: 07/25/17

| | | | | | | |
|---------------------------|------|--------|----------|------|------|----|
| Specific Conductance (EC) | 10.5 | 0.0100 | mmhos/cm | 10.6 | 1.52 | 20 |
|---------------------------|------|--------|----------|------|------|----|

Batch 1707233 - General Preparation

Duplicate (1707233-DUP1)

Source: 1707166-01

Prepared: 07/26/17 Analyzed: 07/27/17

| | | | | | | |
|----------|------|--|---|------|-------|----|
| % Solids | 94.2 | | % | 94.1 | 0.106 | 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 - Alles 31-02

Project Number: [none]
Project Manager: Paul Henehan

Reported:
07/27/17 19:12

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 |