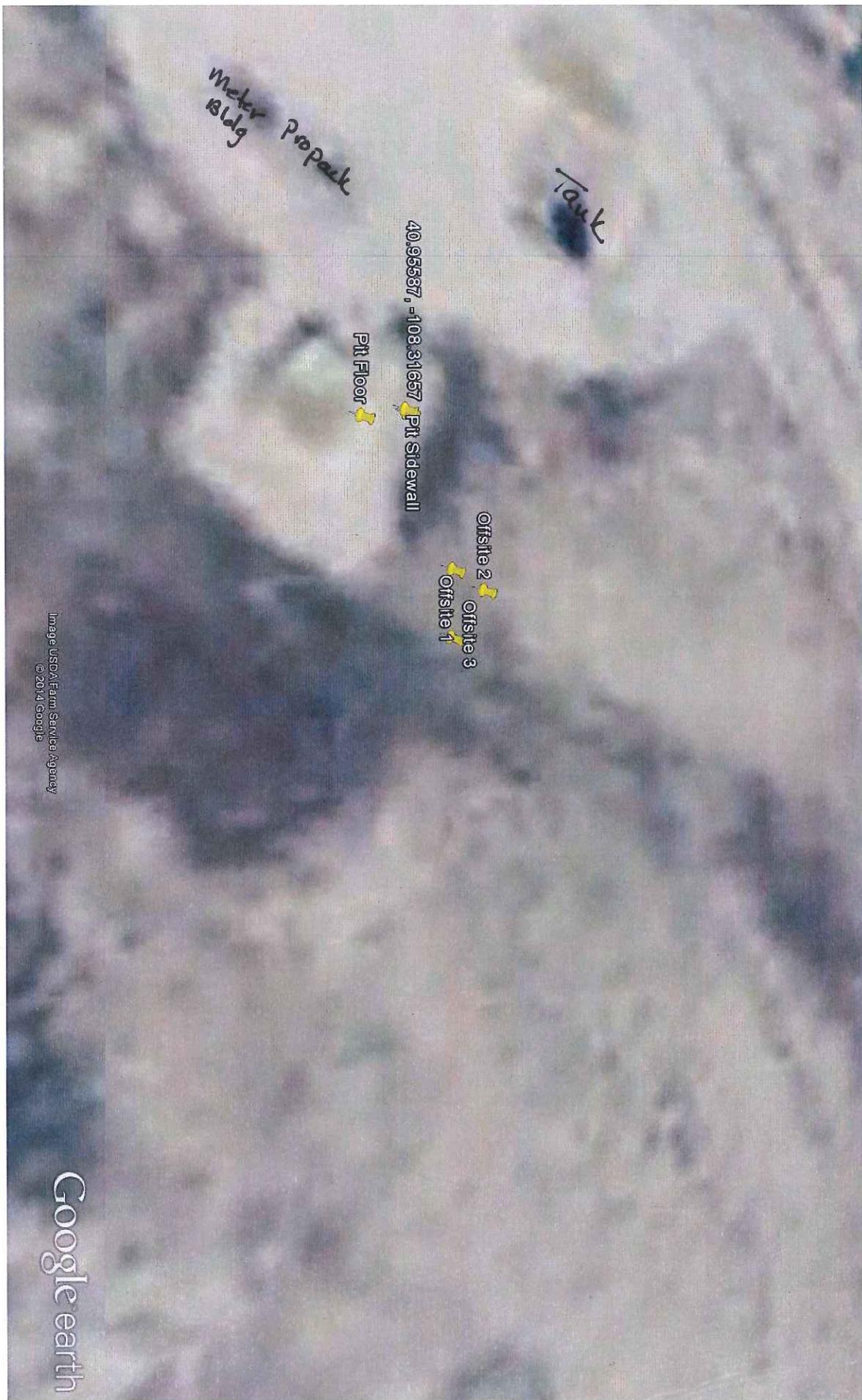


Second Set of Samples 8/19/2014



Google earth



Carl Allen 8

Image USDA Farm Service Agency © 2014 Google

Google earth

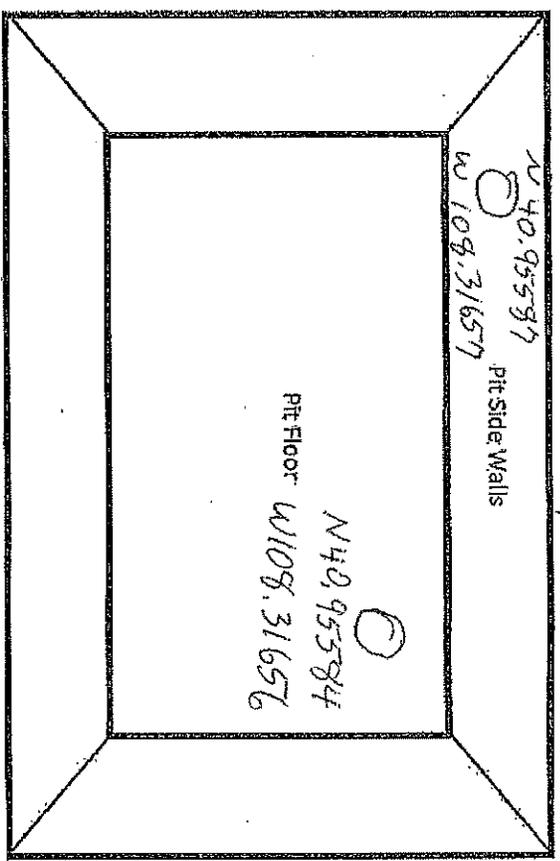
COLORADO PIT CLOSURE - SAMPLING MAP

8-19-2014

N 40.95591  
W 108.31642

WELL NAME: Carl Allen #8

N 40.95594  
W 108.31640  
N 40.95591  
W 108.31635



**LEGEND**

- ★ Pit Low Point - Sample Point
- Pit Side Wall - Sample Point
- Off Site - Sample Points (3)

Remember to put GPS coordinates on all sample sites



Tammy Fredrickson  
 Wexpro  
 PO Box 458  
 Rock Springs, WY 82901

Date: September 4, 2014  
 Request Number: 33210  
 Date Received: 8-20-14  
 Matrix: Soil

**REPORT OF ANALYSIS**

Lab Number: P2665  
 Sample ID: Carl Allen 8 Pit Floor 8-19-14 1400

| <b>BTEX</b>   | Result,<br>mg/kg | Reporting Limit,<br>mg/kg | Method | Date<br>Prepared | Date<br>Analyzed |
|---------------|------------------|---------------------------|--------|------------------|------------------|
| Benzene       | ND               | 0.0020                    | 8260B  | 08/21/14         | 08/22/14         |
| Ethylbenzene  | ND               | 0.0020                    | 8260B  | 08/21/14         | 08/22/14         |
| Total xylenes | 0.0035           | 0.0030                    | 8260B  | 08/21/14         | 08/22/14         |
| Toluene       | ND               | 0.0020                    | 8260B  | 08/21/14         | 08/22/14         |

|                                |      |       |       |          |          |
|--------------------------------|------|-------|-------|----------|----------|
| <b>Gasoline Range Organics</b> | 1.91 | 0.398 | 8260B | 08/21/14 | 08/22/14 |
|--------------------------------|------|-------|-------|----------|----------|

| <b>PAH Compound</b>    | Result,<br>mg/kg | Reporting Limit,<br>mg/kg | Method | Date<br>Prepared | Date<br>Analyzed |
|------------------------|------------------|---------------------------|--------|------------------|------------------|
| Acenaphthene           | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Acenaphthylene         | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Anthracene             | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(a)anthracene     | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(a)pyrene         | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(b)fluoranthene   | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(g,h,i)perylene   | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(k)fluoranthene   | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Chrysene               | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Dibenz(a,h)anthracene  | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Fluoranthene           | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Fluorene               | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Indeno(1,2,3-cd)pyrene | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Naphthalene            | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Phenanthrene           | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| Pyrene                 | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| 1-Methylnaphthalene    | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |
| 2-Methylnaphthalene    | ND               | 0.0663                    | 8270C  | 08/22/14         | 08/24/14         |

ND: Not Detected

BTEX/PAH/GRO Analyzed by TestAmerica Labs in Nashville TN.  
 TestAmerica Lab Number 490-57886-1  
 Certification: Wyoming (UST), A2LA, Cert. ID:453.07



**WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St. Wallaramie@wal-lab.com (307) 742-7995  
 Laramie, WY 82070 Fax: (307) 721-8956

Tammy Fredrickson  
 Wexpro  
 PO Box 458  
 Rock Springs, WY 82901

Date: September 4, 2014  
 Request Number: 33210  
 Date Received: 8-20-14  
 Matrix: Soil

**REPORT OF ANALYSIS**

Lab Number: P2665  
 Sample ID: Carl Allen 8 Pit Floor 8-19-14 1400

|                         | Result | Units      | Method                   | Date Analyzed | Analyst |
|-------------------------|--------|------------|--------------------------|---------------|---------|
| Nickel                  | 10.1   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Copper                  | 17.0   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Zinc                    | 55.4   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Arsenic                 | < 0.9  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Selenium                | < 2.2  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Silver                  | < 0.5  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Cadmium                 | 2.22   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Barium                  | 2,020  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Mercury                 | < 0.2  | mg/kg      | EPA 3050/7471A           | 8/27/2014     | ***     |
| Lead                    | 11.0   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Total Chromium          | 20.4   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Chromium (VI)           | 0.25*  | mg/kg      | EPA 7196A                | 8/27/2014     | CB      |
| Chromium (III)          | 20.2   | mg/kg      | Calculated (ttl.Cr-CrVI) | 9/3/2014      | TB      |
| Soluble, Boron          | 0.47   | mg/L       | Hot water ext./6020      | 8/22/2014     | CB      |
| pH                      | 7.20   | std. units | USDA 60-2,3/150.1        | 8/22/2014     | DA      |
| Conductivity            | 1,832  | umhos/cm   | USDA 60-2,3/120.1        | 8/22/2014     | DA      |
| Calcium                 | 141*   | mg/L       | USDA 60-2,3/6010         | 8/22/2014     | CB      |
| Magnesium               | 11.9*  | mg/L       | USDA 60-2,3/6010         | 8/22/2014     | CB      |
| Sodium                  | 1,091* | mg/L       | USDA 60-2,3/6010         | 8/22/2014     | CB      |
| Sodium Absorption Ratio | 23.1   | Ratio      | Calculated               | 8/22/2014     | CB      |
| Diesel Range Organics   | 8,747  | mg/kg      | 8015C                    | 9/3/2014      | EB      |

\*Results are the average of 2 runs

\*\*Analyzed by Inter-Mountain Labs in Sheridan WY.  
 Inter-Mountain Labs number: S1408420-001

*Monte L. Ellis*

End of Report  
 MLE/tab

Laboratory Manager



**WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St. Wallaramie@wal-lab.com (307) 742-7995  
 Laramie, WY 82070 Fax: (307) 721-8956

Tammy Fredrickson  
 Wexpro  
 PO Box 458  
 Rock Springs, WY 82901

Date: September 4, 2014  
 Request Number: 33210  
 Date Received: 8-20-14  
 Matrix: Soil

**REPORT OF ANALYSIS**

Lab Number: P2666

Sample ID: Carl Allen 8 Pit Side Wall 8-19-14 1400

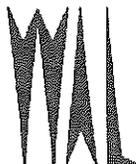
| <b>BTEX</b>   | Result,<br>mg/kg | Reporting Limit,<br>mg/kg | Method | Date<br>Prepared | Date<br>Analyzed |
|---------------|------------------|---------------------------|--------|------------------|------------------|
| Benzene       | ND               | 0.0020                    | 8260B  | 08/21/14         | 08/22/14         |
| Ethylbenzene  | ND               | 0.0020                    | 8260B  | 08/21/14         | 08/22/14         |
| Total xylenes | 0.0138           | 0.0030                    | 8260B  | 08/21/14         | 08/22/14         |
| Toluene       | ND               | 0.0020                    | 8260B  | 08/21/14         | 08/22/14         |

|                                |       |       |       |          |          |
|--------------------------------|-------|-------|-------|----------|----------|
| <b>Gasoline Range Organics</b> | 0.477 | 0.399 | 8260B | 08/21/14 | 08/22/14 |
|--------------------------------|-------|-------|-------|----------|----------|

| <b>PAH Compound</b>    | Result,<br>mg/kg | Reporting Limit,<br>mg/kg | Method | Date<br>Prepared | Date<br>Analyzed |
|------------------------|------------------|---------------------------|--------|------------------|------------------|
| Acenaphthene           | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Acenaphthylene         | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Anthracene             | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(a)anthracene     | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(a)pyrene         | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(b)fluoranthene   | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(g,h,i)perylene   | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Benzo(k)fluoranthene   | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Chrysene               | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Dibenz(a,h)anthracene  | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Fluoranthene           | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Fluorene               | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Indeno(1,2,3-cd)pyrene | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Naphthalene            | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Phenanthrene           | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| Pyrene                 | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| 1-Methylnaphthalene    | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |
| 2-Methylnaphthalene    | ND               | 0.0670                    | 8270C  | 08/22/14         | 08/24/14         |

ND: Not Detected

BTEX/PAH/GRO Analyzed by TestAmerica Labs in Nashville TN.  
 TestAmerica Lab Number 490-57886-2  
 Certification: Wyoming (UST), A2LA, Cert. ID:453.07



**WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St.  
 Laramie, WY 82070

Wallaramie@wal-lab.com

(307) 742-7995  
 Fax: (307) 721-8956

Tammy Fredrickson  
Wexpro  
PO Box 458  
Rock Springs, WY 82901

Date: September 4, 2014  
Request Number: 33210  
Date Received: 8-20-14  
Matrix: Soil

### REPORT OF ANALYSIS

Lab Number: P2666

Sample ID: Carl Allen 8 Pit Side Wall 8-19-14 1400

|                         | Result | Units      | Method                   | Date Analyzed | Analyst |
|-------------------------|--------|------------|--------------------------|---------------|---------|
| Nickel                  | 10.8   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Copper                  | 16.5   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Zinc                    | 64.2   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Arsenic                 | < 0.9  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Selenium                | < 2.2  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Silver                  | < 0.5  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Cadmium                 | 2.0    | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Barium                  | 4,570  | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Mercury                 | < 0.2  | mg/kg      | EPA 3050/7471A           | 8/27/2014     | ***     |
| Lead                    | 10.8   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Total Chromium          | 21.6   | mg/kg      | EPA 3050/6010            | 8/27/2014     | ***     |
| Chromium (VI)           | 0.30   | mg/kg      | EPA 7196A                | 8/27/2014     | CB      |
| Chromium (III)          | 21.3   | mg/kg      | Calculated (ttl.Cr-CrVI) | 9/3/2014      | TB      |
| Soluble, Boron          | 0.42*  | mg/L       | Hot water ext./6020      | 8/22/2014     | CB      |
| pH                      | 6.95   | std. units | USDA 60-2,3/150.1        | 8/22/2014     | DA      |
| Conductivity            | 88,000 | umhos/cm   | USDA 60-2,3/120.1        | 8/22/2014     | DA      |
| Calcium                 | 1,115* | mg/L       | USDA 60-2,3/6010         | 8/22/2014     | CB      |
| Magnesium               | 144*   | mg/L       | USDA 60-2,3/6010         | 8/22/2014     | CB      |
| Sodium                  | 8,676* | mg/L       | USDA 60-2,3/6010         | 8/22/2014     | CB      |
| Sodium Absorption Ratio | 65.0   | Ratio      | Calculated               | 8/22/2014     | CB      |
| Diesel Range Organics   | 220    | mg/kg      | 8015C                    | 9/3/2014      | EB      |

\*Results are the average of 2 runs

\*\*Analyzed by Inter-Mountain Labs in Sheridan WY.  
Inter-Mountain Labs number: S1408420-002

End of Report  
MLE/tab



Laboratory Manager



## WYOMING ANALYTICAL LABORATORIES, INC.

1660 Harrison St.  
Laramie, WY 82070

Wallaramie@wal-lab.com

(307) 742-7995  
Fax: (307) 721-8956

Tammy Fredrickson  
Wexpro  
PO Box 458  
Rock Springs, WY 82901

Date: September 4, 2014  
Request Number: 33210  
Date Received: 8-20-14  
Matrix: Soil

**REPORT OF ANALYSIS**

Lab Number: P2667

Sample ID: Carl Allen 8 Off-Site #1 8-19-14 1420

|                         | Result | Units      | Method            | Date Analyzed | Analyst |
|-------------------------|--------|------------|-------------------|---------------|---------|
| Arsenic                 | < 0.9  | mg/kg      | EPA 3050/6010     | 8/27/2014     | **      |
| pH                      | 7.76   | std. units | USDA 60-2,3/150.1 | 8/22/2014     | DA      |
| Conductivity            | 404    | umhos/cm   | USDA 60-2,3/120.1 | 8/22/2014     | DA      |
| Calcium                 | 54.5*  | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Magnesium               | 7.32*  | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Sodium                  | 16.8*  | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Sodium Absorption Ratio | 0.57   | Ratio      | Calculated        | 8/22/2014     | CB      |

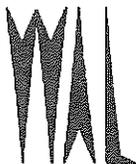
Lab Number: P2668

Sample ID: Carl Allen 8 Off-Site #2 8-19-14 1420

|                         | Result | Units      | Method            | Date Analyzed | Analyst |
|-------------------------|--------|------------|-------------------|---------------|---------|
| Arsenic                 | 3.31   | mg/kg      | EPA 3050/6010     | 8/27/2014     | **      |
| pH                      | 7.72   | std. units | USDA 60-2,3/150.1 | 8/22/2014     | DA      |
| Conductivity            | 518    | umhos/cm   | USDA 60-2,3/120.1 | 8/22/2014     | DA      |
| Calcium                 | 104    | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Magnesium               | 12.8   | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Sodium                  | 85.5   | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Sodium Absorption Ratio | 2.11   | Ratio      | Calculated        | 8/22/2014     | CB      |

\*Results are the average of 2 runs

\*\*Arsenic analyzed by Inter-Mountain Labs in Sheridan WY.  
Inter-Mountain Labs number: S1408420-003 thru 004.



**WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St.  
Laramie, WY 82070

Walfaramie@wal-lab.com

(307) 742-7995  
Fax: (307) 721-8956

Tammy Fredrickson  
Wexpro  
PO Box 458  
Rock Springs, WY 82901

Date: September 4, 2014  
Request Number: 33210  
Date Received: 8-20-14  
Matrix: Soil

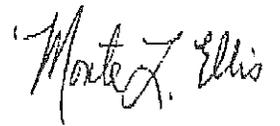
**REPORT OF ANALYSIS**

Lab Number: P2669  
Sample ID: Carl Allen 8 Off-Site #3 8-19-14 1420

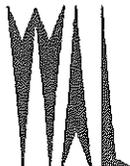
|                         | Result | Units      | Method            | Date Analyzed | Analyst |
|-------------------------|--------|------------|-------------------|---------------|---------|
| Arsenic                 | < 0.9  | mg/kg      | EPA 3050/6010     | 8/27/2014     | **      |
| pH                      | 7.80   | std. units | USDA 60-2,3/150.1 | 8/22/2014     | DA      |
| Conductivity            | 412    | umhos/cm   | USDA 60-2,3/120.1 | 8/22/2014     | DA      |
| Calcium                 | 72.5   | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Magnesium               | 11.1   | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Sodium                  | 45.3   | mg/L       | USDA 60-2,3/6010  | 8/22/2014     | CB      |
| Sodium Absorption Ratio | 1.31   | Ratio      | Calculated        | 8/22/2014     | CB      |

\*\*Arsenic analyzed by Inter-Mountain Labs in Sheridan WY.  
Inter-Mountain Labs number: S1408420-005

End of Report  
MLE/tab



Laboratory Manager



**WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St.  
Laramie, WY 82070

Walfaramie@waf-lab.com

(307) 742-7995

Fax: (307) 721-8956

Tammy Fredrickson  
 Wexpro  
 PO Box 458  
 Rock Springs, WY 82901

Date: September 4, 2014  
 Request Number: 33210  
 Date Received: 8-20-14  
 Matrix: Soil

**QUALITY CONTROL**

|                | Lab Number | Result | Duplicate | RPD  | RPD limit | LCS % | LCS Range % |
|----------------|------------|--------|-----------|------|-----------|-------|-------------|
| Soluble, Boron | P2666      | 0.41   | 0.42      | 2.41 | 50        | 98    | 65-125      |
| Calcium        | P2666      | 1,096  | 1,133     | 3.32 | 50        | 100   | 65-125      |
| Magnesium      | P2666      | 142    | 146       | 2.78 | 50        | 102   | 65-125      |
| Sodium         | P2666      | 8,480  | 8,871     | 4.51 | 50        | 99    | 65-125      |

|              | Standard | Expected | Value | % Recovery |
|--------------|----------|----------|-------|------------|
| Conductivity | QCI 1096 | 1,085    | 1,088 | 100        |
| pH           | QC WAL   | 6.86     | 6.87  | 100        |

|             | Spike % Recovery | Spike Range |
|-------------|------------------|-------------|
| Chromium VI | 80               | 75-125      |

**DRO LCS/LCSD**

| % Recovery | Dup. % Recovery | RPD % | RPD Limit |
|------------|-----------------|-------|-----------|
| 80         | 89              | 10.7  | 50        |

RPD: Relative % difference.  
 LCS: Lab Control Sample.



**WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St.  
 Laramie, WY 82070

Wallaramie@wal-lab.com

(307) 742-7995  
 Fax: (307) 721-8956

Tammy Fredrickson  
Wexpro  
PO Box 458  
Rock Springs, WY 82901

Date: September 4, 2014  
Request Number: 33210  
Date Received: 8-20-14  
Matrix: Soil

**QUALITY CONTROL**

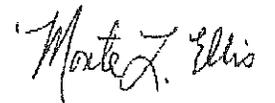
| <b>Surrogate Recoveries</b> |                   |                          |
|-----------------------------|-------------------|--------------------------|
| <b>P2665 BTEX/GRO</b>       |                   |                          |
| <b>Compound</b>             | <b>% Recovery</b> | <b>% Recovery Limits</b> |
| 4-Bromofluorobenzene        | 158 X             | 70-130                   |
| 1,2-Dichloroethane-d4       | 89                | 70-130                   |
| Toluene-d8                  | 130               | 70-130                   |
| <b>P2665 PAH</b>            |                   |                          |
| <b>Compound</b>             | <b>% Recovery</b> | <b>% Recovery Limits</b> |
| Nitrobenzene-d5             | 58                | 27-120                   |
| Terphenyl-d14               | 67                | 13-120                   |
| 2-Fluorobiphenyl            | 62                | 29-120                   |

| <b>Surrogate Recoveries</b> |                   |                          |
|-----------------------------|-------------------|--------------------------|
| <b>P2666 BTEX/GRO</b>       |                   |                          |
| <b>Compound</b>             | <b>% Recovery</b> | <b>% Recovery Limits</b> |
| 4-Bromofluorobenzene        | 138 X*            | 70-130                   |
| 1,2-Dichloroethane-d4       | 86                | 70-130                   |
| Toluene-d8                  | 112               | 70-130                   |
| <b>P2666 PAH</b>            |                   |                          |
| <b>Compound</b>             | <b>% Recovery</b> | <b>% Recovery Limits</b> |
| Nitrobenzene-d5             | 59                | 27-120                   |
| Terphenyl-d14               | 75                | 13-120                   |
| 2-Fluorobiphenyl            | 63                | 29-120                   |

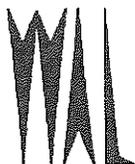
X-Surrogate is outside control limits\*

\* ISTD response or retention time outside acceptable limits.

End of QC Report  
MLE/tab



Laboratory Manager



**WYOMING ANALYTICAL LABORATORIES, INC.**

1660 Harrison St.  
Laramie, WY 82070

Wallaramie@wal-lab.com

(307) 742-7995  
Fax: (307) 721-8956