

April Stegall
Dominion Energy Wexpro
PO Box 458
Rock Springs, WY 82901

Date: October 10, 2017
Request Number: 36707R
Date Received: 9/14/17
Matrix: Soil

REPORT OF ANALYSIS

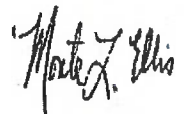
Lab Number: R1987

Sample ID: Ace 8 100700 Sample #1 9/14/17 1:08pm

| | Result | Units | Method | Date Analyzed | Analyst |
|-------------------------|--------|------------|--------------------------|---------------|---------|
| Nickel | 14.6 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Copper | 15.5 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Zinc | 50.4 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Arsenic | 5.11 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Selenium | 0.13 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Silver | 3.63 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Cadmium | 0.800 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Barium | 932 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Mercury | 0.100 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Lead | 26.1 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Total Chromium | 36.6 | mg/kg | SW846 EPA 3051/6020 | 10/5/2017 | MLE |
| Chromium (VI) | 0.40 | mg/kg | EPA 7196A | 10/2/2017 | CB |
| Chromium (III) | 36.2 | mg/kg | Calculated (ttl.Cr-CrVI) | 10/10/2017 | TB |
| Soluble, Boron | 0.10 | mg/L | Hot water ext./6010 | 10/5/2017 | CB |
| pH | 8.20 | std. units | USDA 60-2,3/150.1 | 9/23/2017 | JVT |
| Conductivity | 1,354 | µmhos/cm | USDA 60-2,3/120.1 | 10/9/2017 | CB |
| Calcium | 108 | mg/L | USDA 60-2,3/6010 | 9/24/2017 | MLE |
| Magnesium | 10.2 | mg/L | USDA 60-2,3/6010 | 9/24/2017 | MLE |
| Sodium | 497 | mg/L | USDA 60-2,3/6010 | 9/24/2017 | MLE |
| Sodium Absorption Ratio | 12.3 | Ratio | Calculated | 10/10/2017 | TB |

BTEX, GRO, DRO & PAH Analyzed by ALS Lab in Fort Collins Colorado. See attached Report.
ALS Lab Sample ID 1709253-1

End of Report
MLE/tab



Laboratory Manager



WYOMING ANALYTICAL LABORATORIES, INC

1660 Harrison Street
Laramie, WY 82070

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ph: 307-742-7995
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April Stegall
Dominion Energy Wexpro
PO Box 458
Rock Springs, WY 82901

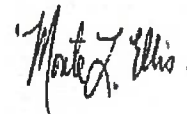
Date: October 10, 2017
Request Number: 36707R
Date Received: 9/14/17
Matrix: Soil

QUALITY CONTROL

| | Reference | Expected | Value | % Recovery |
|----------------|---------------|----------|-------|------------|
| Conductivity | QCI-027-12 | 756 | 749 | 99 |
| pH | iv-6.03 pH QC | 6.03 | 6.00 | 100 |
| Chromium VI | Hach QC | 0.50 | 0.54 | 108 |
| Nickel | LRAA 1722 | 0.127 | 0.166 | 131 |
| Copper | ERA P1488 | 0.258 | 0.221 | 86 |
| Zinc | ERA P1488 | 0.173 | 0.157 | 91 |
| Arsenic | ERA P1488 | 0.161 | 0.156 | 97 |
| Selenium | ERA P1488 | 0.255 | 0.202 | 79 |
| Silver | ERA P1488 | 0.058 | 0.045 | 78 |
| Cadmium | ERA P1488 | 0.190 | 0.192 | 101 |
| Barium | ERA P1488 | 0.351 | 0.359 | 102 |
| Mercury | ERA P1488 | 0.016 | 0.015 | 94 |
| Lead | ERA QC P1488 | 0.138 | 0.132 | 96 |
| Soluble Boron | SPC QC | 1.0 | 1.06 | 106 |
| Total Chromium | ERA QC P1488 | 0.187 | 0.184 | 98 |
| Calcium | ESI QC | 20.0 | 20.2 | 101 |
| Magnesium | ESI QC | 50.0 | 50.5 | 101 |
| Sodium | ESI QC | 50.0 | 50.0 | 100 |

BTEX, GRO, DRO & PAH Analyzed by ALS Lab in Fort Collins Colorado. See attached Report.
ALS Lab Sample ID 1709253-1

End of QC Report
MLE/tab



Laboratory Manager



WYOMING ANALYTICAL LABORATORIES, INC

1660 Harrison Street
Laramie, WY 82070

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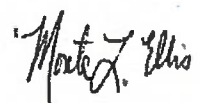
ph: 307-742-7995
fax: 307-721-8956

April Stegall
Dominion Energy Wexpro
PO Box 458
Rock Springs, WY 82901

Date: October 10, 2017
Request Number: 36707R
Date Received: 9/15/17
Matrix: Soil

BTEX, GRO, DRO & PAH Analyzed by ALS Lab in Fort Collins Colorado.
The following pages apply to the samples listed below.

| WAL Lab Number | ALS Lab Number | Wexpro Sample ID |
|-------------------|----------------|---------------------------------------|
| R1987 | 1709406-1 | Ace 8 100700 Sample #1 9/14/17 1:08pm |



Laboratory Manager



WYOMING ANALYTICAL LABORATORIES, INC

1660 Harrison Street
Laramie, WY 82070

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Wednesday, September 27, 2017

Monte Ellis
Wyoming Analytical Laboratories, Inc.
1660 Harrison St.
Laramie, WY 82070

Re: ALS Workorder: 1709406
Project Name:
Project Number: 36707R

Dear Mr. Ellis:

One soil sample was received from Wyoming Analytical Laboratories, Inc., on 9/20/2017. The sample was scheduled for the following analyses:

GC/MS Semivolatiles

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Shiloh J. Summy
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmental – Fort Collins | |
|----------------------------------|---------------------------------|
| Accreditation Body | License or Certification Number |
| AIHA | 214884 |
| Alaska (AK) | UST-086 |
| Alaska (AK) | CO01099 |
| Arizona (AZ) | AZ0742 |
| California (CA) | 06251CA |
| Colorado (CO) | CO01099 |
| Connecticut (CT) | PH-0232 |
| Florida (FL) | E87914 |
| Idaho (ID) | CO01099 |
| Kansas (KS) | E-10381 |
| Kentucky (KY) | 90137 |
| L-A-B (DoD ELAP/ISO 170250) | L2257 |
| Louisiana (LA) | 05057 |
| Maryland (MD) | 285 |
| Missouri (MO) | 175 |
| Nebraska (NE) | NE-OS-24-13 |
| Nevada (NV) | CO000782008A |
| New York (NY) | 12036 |
| North Dakota (ND) | R-057 |
| Oklahoma (OK) | 1301 |
| Pennsylvania (PA) | 68-03116 |
| Tennessee (TN) | 2976 |
| Texas (TX) | T104704241 |
| Utah (UT) | CO01099 |
| Washington (WA) | C1280 |



1709406

GC/MS Volatiles:

The sample was analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C. The sample was also analyzed for Gasoline Range Organics (GRO).

All matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria with the following exceptions:

| Spiked Compound | QC Sample | Direction |
|-----------------|-----------|-----------|
| Benzene | MS | Low |
| Toluene | MS | Low |
| Toluene | MS/MSD | RPD |
| Ethylbenzene | MS/MSD | Low |
| M+P-xylene | MS/MSD | Low |
| O-xylene | MS/MSD | Low |

The recoveries of these compounds in the laboratory control sample and laboratory control sample duplicate were within control limits, which suggest the outliers in the matrix spikes may have been due to matrix effects. No further action was taken.

All remaining acceptance criteria were met.

GC/MS Semivolatiles:

The sample was analyzed using GC/MS following the current revision of SOP 506 based on SW-846 Method 8270D.

The sample was not analyzed at a lesser dilution due to sample matrix and the level of non-target compounds.

All acceptance criteria were met.

DRO:

The sample was analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.



All surrogate recoveries were within acceptance criteria with the following exception:

| Surrogate | Sample | Direction |
|-------------|--------|-----------|
| O-terphenyl | 1 | High |

The surrogate recovery for sample -1 was outside control limits (high). Inspection of the chromatogram indicated co-elution of the surrogate peak with target component peak(s), biasing the surrogate result high. No further action was taken.

All acceptance criteria were met.

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: Wyoming Analytical Laboratories, Inc.
 Project: 36707R
 Sample ID: R1987
 Legal Location:
 Collection Date: 9/14/2017 13:08

Date: 27-Sep-17
 Work Order: 1709406
 Lab ID: 1709406-1
 Matrix: SOIL
 Percent Moisture: 9.9

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|----------------|-------|----------------------|-----------------|
| Diesel Range Organics | | | SW8015M | | Prep Date: 9/21/2017 | PrepBy: JFN |
| Diesel Range Organics | 4900 | DMH | 170 | MG/KG | 30 | 9/21/2017 17:39 |
| Surr: O-TERPHENYL | 123 | * | 49-114 | %REC | 30 | 9/21/2017 17:39 |
| GC/MS Semi-volatiles | | | SW8270 | | Prep Date: 9/21/2017 | PrepBy: LML |
| NAPHTHALENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| 2-METHYLNAPHTHALENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| ACENAPHTHYLENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| ACENAPHTHENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| FLUORENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| PHENANTHRENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| ANTHRACENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| FLUORANTHENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| PYRENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| BENZO(A)ANTHRACENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| CHRYSENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| BENZO(B)FLUORANTHENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| BENZO(K)FLUORANTHENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| BENZO(A)PYRENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| INDENO(1,2,3-CD)PYRENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| DIBENZO(A,H)ANTHRACENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| BENZO(G,H,I)PERYLENE | ND | | 3000 | UG/KG | 2 | 9/25/2017 16:28 |
| Surr: NITROBENZENE-D5 | 89 | | 32-110 | %REC | 2 | 9/25/2017 16:28 |
| Surr: 2-FLUOROBIPHENYL | 88 | | 41-111 | %REC | 2 | 9/25/2017 16:28 |
| Surr: TERPHENYL-D14 | 86 | | 23-159 | %REC | 2 | 9/25/2017 16:28 |
| GC/MS Volatiles | | | SW8260 | | Prep Date: 9/20/2017 | PrepBy: JXX |
| BENZENE | ND | | 5.5 | UG/KG | 1 | 9/20/2017 19:05 |
| TOLUENE | ND | | 5.5 | UG/KG | 1 | 9/20/2017 19:05 |
| ETHYLBENZENE | ND | | 5.5 | UG/KG | 1 | 9/20/2017 19:05 |
| M+P-XYLENE | 2.1 | J | 5.5 | UG/KG | 1 | 9/20/2017 19:05 |
| O-XYLENE | ND | | 5.5 | UG/KG | 1 | 9/20/2017 19:05 |
| TOTAL XYLENES | 2.1 | J | 5 | UG/KG | 1 | 9/20/2017 19:05 |
| Surr: DIBROMOFLUOROMETHANE | 101 | | 61-134 | %REC | 1 | 9/20/2017 19:05 |
| Surr: TOLUENE-D8 | 108 | | 57-135 | %REC | 1 | 9/20/2017 19:05 |
| Surr: 4-BROMOFLUOROBENZENE | 78 | | 52-151 | %REC | 1 | 9/20/2017 19:05 |
| GASOLINE RANGE ORGANICS | 1800 | | 550 | UG/KG | 1 | 9/20/2017 19:05 |

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: Wyoming Analytical Laboratories, Inc.
 Project: 36707R
 Sample ID: R1987
 Legal Location:
 Collection Date: 9/14/2017 13:08

Date: 27-Sep-17
 Work Order: 1709406
 Lab ID: 1709406-1
 Matrix: SOIL
 Percent Moisture: 9.9

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|----------|--------|------|--------------|-------|-----------------|---------------|
|----------|--------|------|--------------|-------|-----------------|---------------|

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.
 Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
 Y2 - Chemical Yield outside default limits.
 W - DER is greater than Warning Limit of 1.42
 * - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
 # - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
 G - Sample density differs by more than 15% of LCS density.
 D - DER is greater than Control Limit
 M - Requested MDC not met.
 LT - Result is less than requested MDC but greater than achieved MDC.
 M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
 L - LCS Recovery below lower control limit.
 H - LCS Recovery above upper control limit.
 P - LCS, Matrix Spike Recovery within control limits.
 N - Matrix Spike Recovery outside control limits
 NC - Not Calculated for duplicate results less than 5 times MDC
 B - Analyte concentration greater than MDC.
 B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
 U or ND - Indicates that the compound was analyzed for but not detected.
 E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 M - Duplicate injection precision was not met.
 N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 * - Duplicate analysis (relative percent difference) not within control limits.
 S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.
 B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
 E - Analyte concentration exceeds the upper level of the calibration range.
 J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
 A - A tentatively identified compound is a suspected aldol-condensation product.
 X - The analyte was diluted below an accurate quantitation level.
 * - The spike recovery is equal to or outside the control criteria used.
 † - The relative percent difference (RPD) equals or exceeds the control criteria.
 G - A pattern resembling gasoline was detected in this sample.
 D - A pattern resembling diesel was detected in this sample.
 M - A pattern resembling motor oil was detected in this sample.
 C - A pattern resembling crude oil was detected in this sample.
 4 - A pattern resembling JP-4 was detected in this sample.
 5 - A pattern resembling JP-5 was detected in this sample.
 H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
 L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
 Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
 - gasoline
 - JP-8
 - diesel
 - mineral spirits
 - motor oil
 - Stoddard solvent
 - bunker C

ALS -- Fort Collins

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 1709406
 Project: 36707R

Date: 9/27/2017 3:42:

QC BATCH REPORT

Batch ID: HC170921-81-1 Instrument ID FUELS-1 Method: SW8015M

| | | | | | | | | | | | |
|-----------------------|------------------------|-------------|---------|----------------------|------|---------------|--------------------------------|---------|-----|-----------|------|
| LCS | Sample ID: HC170921-81 | | | Units: MG/KG | | | Analysis Date: 9/21/2017 14:06 | | | | |
| Client ID: | Run ID: HC170921-8A | | | Prep Date: 9/21/2017 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range Organics | 183 | 5 | 188 | | 98 | 81-129 | | | | 20 | |
| Sum: O-TERPHENYL | 7.27 | | 10 | | 73 | 49-114 | | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|-------------|---------|----------------------|------|---------------|--------------------------------|---------|-----|-----------|------|
| LCSD | Sample ID: HC170921-81 | | | Units: MG/KG | | | Analysis Date: 9/21/2017 14:28 | | | | |
| Client ID: | Run ID: HC170921-8A | | | Prep Date: 9/21/2017 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range Organics | 187 | 5 | 188 | | 100 | 81-129 | | 183 | 2 | 20 | |
| Surr: O-TERPHENYL | 7.39 | | 10 | | 74 | 49-114 | | | 2 | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|-------------|---------|---------------|------|--------------------------------|----------------|---------|-------|-----------|------|
| MB | Sample ID: HC170921-81 | | | Units: MG/KG | | Analysis Date: 9/21/2017 13:03 | | | | | |
| Client ID: | Run ID: HC170921-8A | | | | | Prep Date: 9/21/2017 | | | DF: 1 | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range Organics | ND | 5 | | | | | | | | | |
| Sum: O-TERPHENYL | 7.27 | | 10 | | 73 | 49-114 | | | | | |

The following samples were analyzed in this batch:

1709406-1

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 1709406
 Project: 36707R

QC BATCH REPORT

Batch ID: EX170921-1-1 Instrument ID HPSV4 Method: SW8270

LCS Sample ID: EX170921-1 Units: UG/KG Analysis Date: 9/25/2017 15:52
 Client ID: Run ID: SV170925-4 Prep Date: 9/21/2017 DF: 1

| Analyte | Result | Report Limit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|------------------------|--------|--------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| NAPHTHALENE | 1660 | 333 | 2000 | | 78 | 51-100 | | | | 30 | |
| 2-METHYLNAPHTHALENE | 1670 | 333 | 2000 | | 83 | 51-100 | | | | 30 | |
| ACENAPHTHYLENE | 1610 | 333 | 2000 | | 80 | 60-109 | | | | 30 | |
| ACENAPHTHENE | 1630 | 333 | 2000 | | 81 | 38-103 | | | | 30 | |
| FLUORENE | 1630 | 333 | 2000 | | 81 | 65-106 | | | | 30 | |
| PHENANTHRENE | 1700 | 333 | 2000 | | 85 | 66-107 | | | | 30 | |
| ANTHRACENE | 1620 | 333 | 2000 | | 81 | 65-108 | | | | 30 | |
| FLUORANTHENE | 1740 | 333 | 2000 | | 87 | 64-109 | | | | 30 | |
| PYRENE | 1610 | 333 | 2000 | | 81 | 48-118 | | | | 30 | |
| BENZO(A)ANTHRACENE | 1680 | 333 | 2000 | | 84 | 64-107 | | | | 30 | |
| CHRYSENE | 1690 | 333 | 2000 | | 84 | 65-108 | | | | 30 | |
| BENZO(B)FLUORANTHENE | 1540 | 333 | 2000 | | 77 | 60-111 | | | | 30 | |
| BENZO(K)FLUORANTHENE | 1650 | 333 | 2000 | | 82 | 62-111 | | | | 30 | |
| BENZO(A)PYRENE | 1590 | 333 | 2000 | | 79 | 63-109 | | | | 30 | |
| INDENO(1,2,3-CD)PYRENE | 1640 | 333 | 2000 | | 82 | 55-117 | | | | 30 | |
| DIBENZO(A,H)ANTHRACENE | 1640 | 333 | 2000 | | 82 | 55-120 | | | | 30 | |
| BENZO(G,H,I)PERYLENE | 1670 | 333 | 2000 | | 83 | 37-123 | | | | 30 | |
| Surr: NITROBENZENE-D5 | 1520 | | 1670 | | 91 | 32-110 | | | | | |
| Surr: 2-FLUOROBIPHENYL | 1360 | | 1670 | | 82 | 41-111 | | | | | |
| Surr: TERPHENYL-D14 | 1380 | | 1670 | | 83 | 23-159 | | | | | |

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 1709406
 Project: 36707R

QC BATCH REPORT

Batch ID: EX170921-1 Instrument ID HP5V4 Method: SW8270

MB Sample ID: EX170921-1 Units: UG/KG Analysis Date: 9/25/2017 15:33
 Client ID: Run ID: SV170925-4 Prep Date: 9/21/2017 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD Limit | Qual |
|------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----------|------|
| NAPHTHALENE | ND | 330 | | | | | | | | |
| 2-METHYLNAPHTHALENE | ND | 330 | | | | | | | | |
| ACENAPHTHYLENE | ND | 330 | | | | | | | | |
| ACENAPHTHENE | ND | 330 | | | | | | | | |
| FLUORENE | ND | 330 | | | | | | | | |
| PHENANTHRENE | ND | 330 | | | | | | | | |
| ANTHRACENE | ND | 330 | | | | | | | | |
| FLUORANTHENE | ND | 330 | | | | | | | | |
| PYRENE | ND | 330 | | | | | | | | |
| BENZO(A)ANTHRACENE | ND | 330 | | | | | | | | |
| CHRYSENE | ND | 330 | | | | | | | | |
| BENZO(B)FLUORANTHENE | ND | 330 | | | | | | | | |
| BENZO(K)FLUORANTHENE | ND | 330 | | | | | | | | |
| BENZO(A)PYRENE | ND | 330 | | | | | | | | |
| INDENO(1,2,3-CD)PYRENE | ND | 330 | | | | | | | | |
| DIBENZO(A,H)ANTHRACENE | ND | 330 | | | | | | | | |
| BENZO(G,H,I)PERYLENE | ND | 330 | | | | | | | | |
| Surr: NITROBENZENE-D5 | 1630 | | 1670 | | 98 | 32-110 | | | | |
| Surr: 2-FLUOROBIPHENYL | 1410 | | 1670 | | 84 | 41-111 | | | | |
| Surr: TERPHENYL-D14 | 1550 | | 1670 | | 93 | 23-159 | | | | |

The following samples were analyzed in this batch:

1709406-1

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 1709406
 Project: 36707R

QC BATCH REPORT

Batch ID: VL170920-2-1 Instrument ID HPV1 Method: SW8260

LCS Sample ID: VL170920-2 Units: UG/KG Analysis Date: 9/20/2017 13:32
 Client ID: Run ID: VL170920-2A Prep Date: 9/20/2017 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | 41.6 | 5 | 40 | | 104 | 73-126 | | | | 30 | |
| TOLUENE | 40 | 5 | 40 | | 100 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 36.8 | 5 | 40 | | 97 | 74-127 | | | | 30 | |
| M+P-XYLENE | 76.9 | 5 | 80 | | 96 | 79-126 | | | | 30 | |
| O-XYLENE | 39.2 | 5 | 40 | | 98 | 77-125 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 49.2 | | 50 | | 98 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 46.5 | | 50 | | 97 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 49.1 | | 50 | | 98 | 52-151 | | | | | |

LCSD Sample ID: VL170920-2 Units: UG/KG Analysis Date: 9/20/2017 13:54
 Client ID: Run ID: VL170920-2A Prep Date: 9/20/2017 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | 43.9 | 5 | 40 | | 110 | 73-126 | | 41.6 | 5 | 30 | |
| TOLUENE | 41.4 | 5 | 40 | | 104 | 71-127 | | 40 | 4 | 30 | |
| ETHYLBENZENE | 41.1 | 5 | 40 | | 103 | 74-127 | | 36.8 | 6 | 30 | |
| M+P-XYLENE | 80.5 | 5 | 80 | | 101 | 79-126 | | 76.9 | 4 | 30 | |
| O-XYLENE | 40.7 | 5 | 40 | | 102 | 77-125 | | 39.2 | 4 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 49.7 | | 50 | | 99 | 61-134 | | | 1 | | |
| Surr: TOLUENE-D8 | 49.1 | | 50 | | 98 | 57-135 | | | 1 | | |
| Surr: 4-BROMOFLUOROBENZENE | 49.2 | | 50 | | 96 | 52-151 | | | 2 | | |

MB Sample ID: VL170920-2 Units: UG/KG Analysis Date: 9/20/2017 15:45
 Client ID: Run ID: VL170920-2A Prep Date: 9/20/2017 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | ND | 5 | | | | | | | | | |
| TOLUENE | ND | 5 | | | | | | | | | |
| ETHYLBENZENE | ND | 5 | | | | | | | | | |
| M+P-XYLENE | ND | 5 | | | | | | | | | |
| O-XYLENE | ND | 5 | | | | | | | | | |
| TOTAL XYLENES | ND | 5 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 50.7 | | 50 | | 101 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 49.3 | | 50 | | 99 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 46.8 | | 50 | | 94 | 52-151 | | | | | |

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 1709406
 Project: 36707R

QC BATCH REPORT

Batch ID: VL170920-2-1 Instrument ID HPV1 Method: SW8260

MB Sample ID: VL170920-2M Units: UG/KG Analysis Date: 9/20/2017 16:07
 Client ID: Run ID: VL170920-2A Prep Date: 9/20/2017 DF: 50

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | ND | 250 | | | | | | | | | |
| TOLUENE | ND | 250 | | | | | | | | | |
| ETHYLBENZENE | ND | 250 | | | | | | | | | |
| M+P-XYLENE | ND | 250 | | | | | | | | | |
| O-XYLENE | ND | 250 | | | | | | | | | |
| TOTAL XYLENES | ND | 5 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 2440 | | 2500 | | 98 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 2450 | | 2500 | | 98 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 2290 | | 2500 | | 92 | 52-151 | | | | | |

MS Sample ID: 1709406-1 Units: UG/KG Analysis Date: 9/20/2017 22:44
 Client ID: R1987 Run ID: VL170920-2A Prep Date: 9/20/2017 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | 30.4 | 5.5 | 44 | 5.5 | 69 | 73-126 | | | | 30 | * |
| TOLUENE | 27 | 5.5 | 44 | 5.5 | 61 | 71-127 | | | | 30 | * |
| ETHYLBENZENE | 23 | 5.5 | 44 | 5.5 | 52 | 74-127 | | | | 30 | * |
| M+P-XYLENE | 43.9 | 5.5 | 88.1 | 2.1 | 47 | 79-126 | | | | 30 | * |
| O-XYLENE | 22.9 | 5.5 | 44 | 5.5 | 52 | 77-125 | | | | 30 | * |
| Surr: DIBROMOFLUOROMETHANE | 54.8 | | 55 | | 100 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 54.9 | | 55 | | 100 | 57-135 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 45.3 | | 55 | | 82 | 52-151 | | | | | |

MSD Sample ID: 1709406-1 Units: UG/KG Analysis Date: 9/20/2017 23:11
 Client ID: R1987 Run ID: VL170920-2A Prep Date: 9/20/2017 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | 39.6 | 5.5 | 44 | 5.5 | 90 | 73-126 | | 30.4 | 28 | 30 | |
| TOLUENE | 36.5 | 5.5 | 44 | 5.5 | 90 | 71-127 | | 27 | 37 | 30 | + |
| ETHYLBENZENE | 27.9 | 5.5 | 44 | 5.5 | 63 | 74-127 | | 23 | 19 | 30 | * |
| M+P-XYLENE | 51.6 | 5.5 | 88.1 | 2.1 | 56 | 79-126 | | 43.9 | 16 | 30 | * |
| O-XYLENE | 28.7 | 5.5 | 44 | 5.5 | 61 | 77-125 | | 22.9 | 15 | 30 | * |
| Surr: DIBROMOFLUOROMETHANE | 64.6 | | 55 | | 99 | 61-134 | | | 0 | | |
| Surr: TOLUENE-D8 | 60.7 | | 55 | | 110 | 57-135 | | | 10 | | |
| Surr: 4-BROMOFLUOROBENZENE | 39.6 | | 55 | | 72 | 52-151 | | | 14 | | |

The following samples were analyzed in this batch:

1709406-1

Client: Wyoming Analytical Laboratories, Inc.
Work Order: 1709406
Project: 36707R

QC BATCH REPORT

Batch ID: VL170920-2-2 Instrument ID: HPV1 Method: SW8260

| | | | | | | | | | | | |
|-------------------------|-----------------------|-------------|---------|---------------|----------------------|---------------|--------------------------------|---------|-----|-----------|------|
| LCS | Sample ID: VL170920-5 | | | | Units: UG/KG | | Analysis Date: 9/20/2017 14:38 | | | | |
| Client ID: | Run ID: VL170920-2A | | | | Prep Date: 9/20/2017 | | | DF: 1 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 1840 | 500 | 2000 | | 92 | 80-120 | | | | 20 | |

| | | | | | | | | | | | |
|-------------------------|-----------------------|-------------|---------|----------------------|------|---------------|--------------------------------|---------|-----|-----------|------|
| LCSD | Sample ID: VL170920-5 | | | Units: UG/KG | | | Analysis Date: 9/20/2017 15:01 | | | | |
| Client ID: | Run ID: VL170920-2A | | | Prep Date: 9/20/2017 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 1860 | 500 | 2000 | | 93 | 80-120 | | 1840 | 1 | 20 | |

| | | | | | | | | | | | |
|-------------------------|-----------------------|-------------|---------|----------------------|------|---------------|--------------------------------|---------|-----|-----------|------|
| MB | Sample ID: VL170920-2 | | | Units: UG/KG | | | Analysis Date: 9/20/2017 15:45 | | | | |
| Client ID: | Run ID: VL170920-2A | | | Prep Date: 9/20/2017 | | | DF: 1 | | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | ND | 500 | | | | | | | | | |

| | | | | | | | | | | | |
|-------------------------|------------------------|-------------|---------|---------------|------|--------------------------------|----------------|---------|-----|-----------|------|
| MB | Sample ID: VL170920-2M | | | Units: UG/KG | | Analysis Date: 9/20/2017 16:07 | | | | | |
| Client ID: | Run ID: VL170920-2A | | | | | Prep Date: 9/20/2017 | | DF: 50 | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | ND | 25000 | | | | | | | | | |

The following samples were analyzed in this batch:

1709406-1

Report to: **APRIL STEGALL**

Company: **DOMINION ENERGY WEXPRO**

Address: **Po Box 468, 8801 WESTGATE DRIVE**

City, ST, Zip: **ROCK SPRINGS, WY 82401**

Phone: **307.352.7601** Fax: **307.352.7583**

Email: **april.stegall@dominionenergy.com**

Prefer Results by: **Fax / Email** Hard Copy (circle all that apply)

*Matrix: W-water, S-soil, SL-sludge, O-oil, G-gaseous, X-other: _____

**Preservation: T-4°C, A-acid _____ F-filtered, N-none, X-other: _____

TAT: **Standard** Expedite _____ days (subject to fee/availability)

Project: **Free 8** PO#: **71428**

| Sample ID | Date/Time | Matrix* | # of containers | Preservation** | custody seals? | Organics | Inorganics | Metals | Notes / Lab No. | | | | | | | | |
|-----------|-----------|----------|-----------------|----------------|----------------|--|--|---|---|---|---|--|---|---|---|--|--|
| 1 | 10/10/00 | Sample 1 | 1 | 11/4/00pm | S | <input checked="" type="checkbox"/> SVOA, BNA, (PAH) (circle) by GC-MS 8270 | <input checked="" type="checkbox"/> VOA, (BTEX, GRO) (circle) by GC-MS 8260 | <input checked="" type="checkbox"/> BTEX, GRO, (DRO) Fuel ID (circle) by GC 8015 | <input checked="" type="checkbox"/> TPH (circle) 418.1, 1664, 8015, 8260 | <input type="checkbox"/> F, Cl, NO2, NO3, NO2+NO3, Br, PO4, SO4, NH3 (circle) | <input type="checkbox"/> Alkalinity, pH, cond, TDS, TSS, Turbidity (circle) | <input type="checkbox"/> TOC, BOD, COD, H2S, Specific Gravity (circle) | <input checked="" type="checkbox"/> see below | <input type="checkbox"/> As Rec'd, Total, Dissolved, TCLP, WyoLeach. (circle) | <input checked="" type="checkbox"/> Group1, Ba, RCRA, TRI, Cu, Pb, Hg (List Below) (circle) | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |

Please PRINT all information
Wyoming Analytical Laboratories, Inc
 1660 Harrison St
 Laramie, WY 82070
 307-742-7995
 Fax 307-721-8956
 wallaramie@aol.com

625 Center St
 Rock Springs, WY 82901
 307-362-3176
 Fax 307-362-3581
 wallsps@aol.com

| | |
|---|---|
| Relinquished 1st Print Name: April Stegall Signature: [Signature] Date/Time: 11/4/00 Shipped VIA: OTC | Relinquished 2nd Print Name: _____ Signature: _____ Date/Time: _____ Shipped VIA: _____ |
| Received 1st Print Name: Hope Mc Coy Signature: [Signature] Date/Time: 9/14/17 16:30 | Received 2nd Print Name: _____ Signature: _____ Date/Time: _____ |

WAL use only: Record discrepancies in sample condition upon receipt on WAL Doc#228 - SCUR

Special Instructions / Comments:

KEEP COOL

Metals: soluble boron, total (RCRA, Ni, Cu, Zn), Cr4, calculate Cr3

Inorganics: (saturated paste) Ca, Mg, Na, SAR, pH, conductivity

4,800

100700

sample location

Legend

40.96195, -108.28258

PAGE 8

200 ft



Google earth

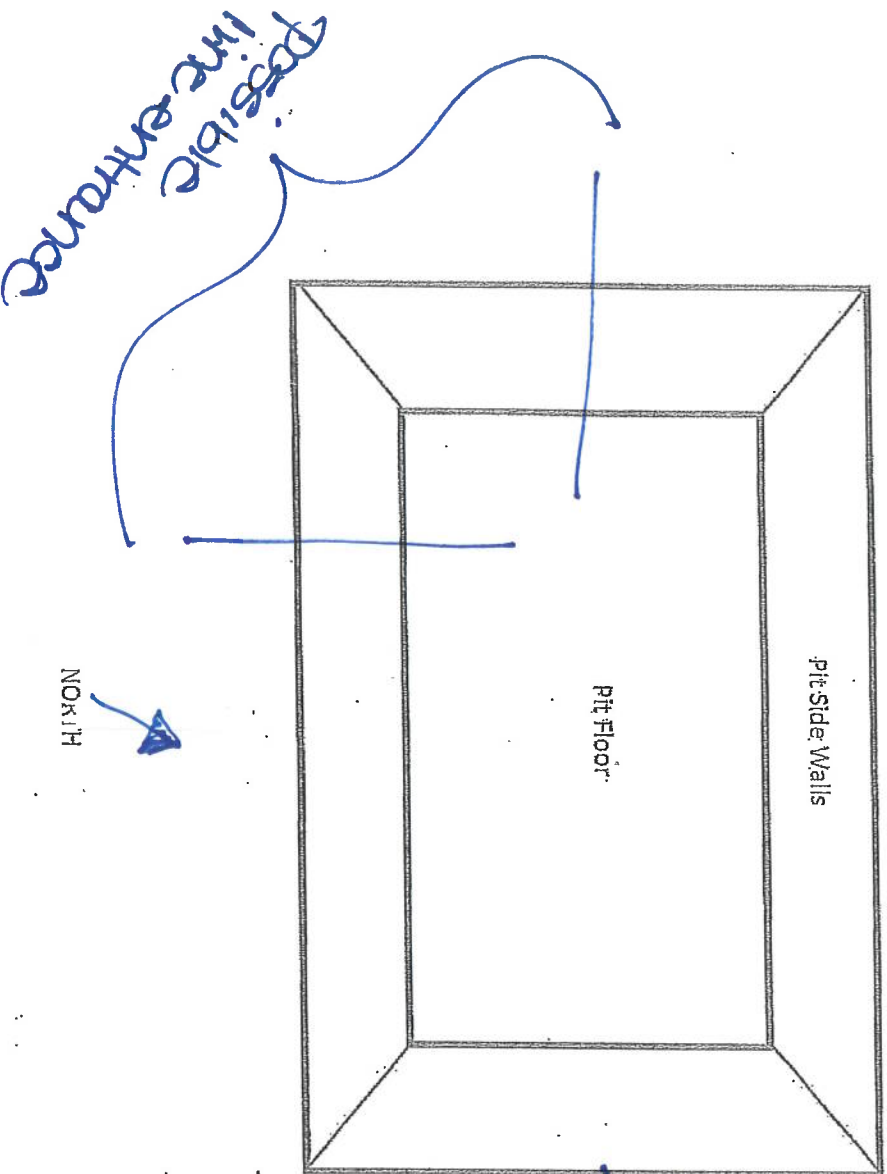
© 2017 Google

*KNS Neidel, Cogge
witnessed

Date: 9.14.17

COLORADO PIT CLOSURE - SAMPLING MAP

WELL NAME: Ace 8 - 100720



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

aps: 40.94195, -108.38358

depth: approximately 11'3"

Sand to 11'

grey fill/sand/pit material 11'

-bit wouldn't go deeper than 11.5'

-full and sample

3 samples each pit

full 910 each sample

Legend

Facility 100700

pit bottom 40.961897, -108.282583
N. sidewall 40.961925, -108.282542
E. sidewall 40.961878, -108.282539

possible line entrance

possible line entrance

pit bottom 40.9613, -108.282758
E. sidewall 40.961294, -108.282719
S. sidewall 40.961281, -108.282756

Facility 100701

X-No offsites needed

Google earth

Image U.S. Geological Survey

100 ft



Legend

140:961897, -108:282583

PAGE 8

200 ft

