

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

Date: September 15, 2020
Request Number: 39943R
Date Received: 8/25/20
Matrix: Soil

One Soil sample was received on 08/25/20 and assigned to Laboratory Request #39943R and Lab ID S1305.

BTEX, GRO, DRO & PAH Analyzed by ALS Lab in Fort Collins Colorado.
ALS Lab Sample ID: 2008664-1

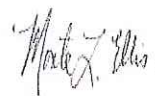
All other analysis was analyzed by Wyoming Analytical Lab.

Sample upon receipt:

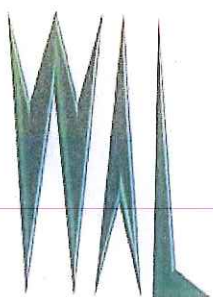
All acceptance criteria were met.

Analytical nonconformities noted:

None



Monte L. Ellis
Laboratory Manager



WYOMING ANALYTICAL LABORATORIES, INC

1660 Harrison Street
Laramie, WY 82070

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Rock Springs, WY 82901

Date: September 15, 2020
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REPORT OF ANALYSIS

Lab Number: S1305

Sample ID: Jacks Draw #15 Sample #1 8/25/20 12:15


| | Result | Units | Method | Date Analyzed | Analyst |
|-------------------------|--------|---------------|-------------------|---------------|---------|
| pH | 8.75 | std. units | USDA 60-2,3/150.1 | 8/29/2020 | SJT |
| Conductivity | 166 | µ/cm | USDA 60-2,3/120.1 | 8/29/2020 | SJT |
| Calcium | 60.3 | ppm dry Basis | USDA 60-2,3/6010 | 9/4/2020 | RRJ |
| Magnesium | 4.01 | ppm dry Basis | USDA 60-2,3/6010 | 9/4/2020 | RRJ |
| Sodium | 11.0 | ppm dry Basis | USDA 60-2,3/6010 | 9/4/2020 | RRJ |
| Sodium Absorption Ratio | 0.37 | Ratio | Calculated | 9/4/2020 | RRJ |
| Nickel | 16.3 | ppm | EPA 3010/6020 | 09/09/20 | RRJ |
| Copper | 11.6 | ppm | EPA 3010/6020 | 09/09/20 | RRJ |
| Zinc | 15.3 | ppm | EPA 3010/6020 | 09/09/20 | RRJ |
| Soluble Boron | 0.287 | ppm | EPA 6010 | 09/09/20 | RRJ |
| Total Chromium | 9.40 | ppm | 3052/6020 | 9/9/2020 | SJT |
| Hexavalent Chromium | < 0.1 | ppm | 3060A mod | 9/11/2020 | SJT |
| Chromium 3 | 9.40 | ppm | Calculated | | |

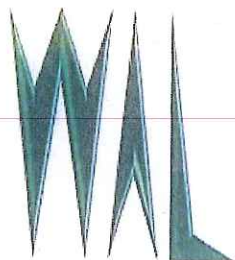
| Total RCRA Metals | Result, ppm | Method | Date Analyzed | Analyst |
|-------------------|-------------|-----------|---------------|---------|
| Chromium | 9.40 | 3052/6020 | 9/9/2020 | RRJ |
| Arsenic | 3.29 | 3052/6020 | 9/9/2020 | RRJ |
| Selenium | 1.84 | 3052/6020 | 9/9/2020 | RRJ |
| Silver | 5.87 | 3052/6020 | 9/9/2020 | RRJ |
| Cadmium | 0.396 | 3052/6020 | 9/9/2020 | RRJ |
| Barium | 109 | 3052/6020 | 9/9/2020 | RRJ |
| Mercury | 0.167 | 3052/6020 | 9/9/2020 | RRJ |
| Lead | 9.79 | 3052/6020 | 9/9/2020 | RRJ |

*Result is the average of 2 runs.

BTEX, GRO, DRO & PAH Analyzed by ALS Lab in Fort Collins Colorado. See attached Report.
ALS Lab Sample ID: 2008664-1

End of Report
MLE/tab


Monte L. Ellis
Laboratory Manager



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Date: September 15, 2020
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QUALITY CONTROL

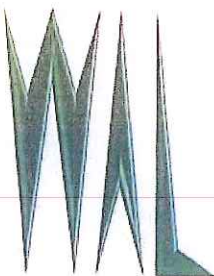
| | Reference | Expected | Value | % Recovery |
|---------------------|-----------|----------|-------|------------|
| pH | WAL pH QC | 6.88 | 7.05 | 102 |
| Conductivity | WAL QC | 718 | 723 | 101 |
| Calcium | QCS 27 | 1.0 | 1.03 | 103 |
| Magnesium | QCS 27 | 1.0 | 1.07 | 107 |
| Sodium | QCS 27 | 1.0 | 1.02 | 102 |
| Nickel | MM STD | 1.0 | 1.03 | 103 |
| Copper | MM STD | 1.0 | 0.98 | 98 |
| Zinc | MM STD | 1.0 | 0.91 | 91 |
| Soluble Boron | MM STD | 1.0 | 1.04 | 104 |
| Hexavalent Chromium | WAL QC | 0.5 | 0.59 | 118 |
| Chromium | MM STD | 1.0 | 1.00 | 100 |
| Arsenic | MM STD | 1.0 | 1.01 | 101 |
| Selenium | MM STD | 1.0 | 0.88 | 88 |
| Silver | MM STD | 1.0 | 0.93 | 93 |
| Cadmium | MM STD | 1.0 | 1.06 | 106 |
| Barium | MM STD | 1.0 | 0.93 | 93 |
| Mercury | HG QC | 0.01 | 0.01 | 100 |
| Lead | MM STD | 1.0 | 0.95 | 95 |

BTEX, GRO, DRO Analyzed by ALS Lab in Fort Collins Colorado. See attached Report.
ALS Lab Sample ID: 2008664-1

End of QC Report
MLE/tab



Monte L. Ellis
Laboratory Manager



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Ft. Collins, Colorado

LIMS Version: 7.010

Page 1 of 1

Monday, September 14, 2020

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

Re: ALS Workorder: 2008664
Project Name:
Project Number: 39943R

Dear Mr. Ellis:

One soil sample was received from Wyoming Analytical Laboratories, Inc., on 8/28/2020. 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. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

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

Sincerely,

ALS Environmental
Katie M. O'Brien
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 |
| Florida (FL) | E87914 |
| Idaho (ID) | CO01099 |
| Kansas (KS) | E-10381 |
| Kentucky (KY) | 90137 |
| PJ-LA (DoD ELAP/ISO 170250) | 95377 |
| 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 |



2008664

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 acceptance criteria were met.

GC/MS Semivolatiles:

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

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 acceptance criteria were met.

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 2008664

Client Name: Wyoming Analytical Laboratories, Inc.

Client Project Name:

Client Project Number: 39943R

Client PO Number: 39943R

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|-------------------------|----------------------|------------|--------|-------------------|-------------------|
| S1305 | 2008664-1 | | SOIL | 25-Aug-20 | 12:15 |

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client: Wyoming Analytical Laboratories, Inc.

Date: 14-Sep-20

Project: 39943R

Work Order: 2008664

Sample ID: S1305

Lab ID: 2008664-1

Legal Location:

Matrix: SOIL

Collection Date: 8/25/2020 12:15

Percent Moisture: 7.6

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|----------------|-------|---------------------|-----------------|
| Diesel Range Organics | | | SW8015M | | Prep Date: 9/1/2020 | PrepBy: JRS |
| Diesel Range Organics | ND | | 8.5 | MG/KG | 1 | 9/2/2020 15:03 |
| Surr: O-TERPHENYL | 100 | | 56-120 | %REC | 1 | 9/2/2020 15:03 |
| GC/MS Semi-volatiles | | | SW8270 | | Prep Date: 9/4/2020 | PrepBy: CPC |
| NAPHTHALENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| 2-METHYLNAPHTHALENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| ACENAPHTHYLENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| ACENAPHTHENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| FLUORENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| PHENANTHRENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| ANTHRACENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| FLUORANTHENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| PYRENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| BENZO(A)ANTHRACENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| CHRYSENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| BENZO(B)FLUORANTHENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| BENZO(K)FLUORANTHENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| BENZO(A)PYRENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| INDENO(1,2,3-CD)PYRENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| DIBENZO(A,H)ANTHRACENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| BENZO(G,H,I)PERYLENE | ND | | 350 | UG/KG | 1 | 9/11/2020 07:17 |
| Surr: NITROBENZENE-D5 | 76 | | 31-120 | %REC | 1 | 9/11/2020 07:17 |
| Surr: 2-FLUOROBIPHENYL | 81 | | 34-120 | %REC | 1 | 9/11/2020 07:17 |
| Surr: TERPHENYL-D14 | 92 | | 39-120 | %REC | 1 | 9/11/2020 07:17 |
| GC/MS Volatiles | | | SW8260 | | Prep Date: 9/4/2020 | PrepBy: TWK |
| BENZENE | ND | | 5.3 | UG/KG | 1 | 9/4/2020 23:07 |
| TOLUENE | ND | | 5.3 | UG/KG | 1 | 9/4/2020 23:07 |
| ETHYLBENZENE | ND | | 5.3 | UG/KG | 1 | 9/4/2020 23:07 |
| M+P-XYLENE | ND | | 11 | UG/KG | 1 | 9/4/2020 23:07 |
| O-XYLENE | ND | | 5.3 | UG/KG | 1 | 9/4/2020 23:07 |
| TOTAL XYLENES | ND | | 5 | UG/KG | 1 | 9/4/2020 23:07 |
| Surr: DIBROMOFLUOROMETHANE | 99 | | 77-125 | %REC | 1 | 9/4/2020 23:07 |
| Surr: TOLUENE-D8 | 98 | | 80-120 | %REC | 1 | 9/4/2020 23:07 |
| Surr: 4-BROMOFLUOROBENZENE | 101 | | 71-121 | %REC | 1 | 9/4/2020 23:07 |
| GASOLINE RANGE ORGANICS | ND | | 530 | UG/KG | 1 | 9/4/2020 23:07 |

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SAMPLE SUMMARY REPORT

Client: Wyoming Analytical Laboratories, Inc.
 Project: 39943R
 Sample ID: S1305
 Legal Location:
 Collection Date: 8/25/2020 12:15

Date: 14-Sep-20
 Work Order: 2008664
 Lab ID: 2008664-1
 Matrix: SOIL
 Percent Moisture: 7.6

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

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC
- 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.
- 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

Date: 9/14/2020 6:26:

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 2008664
 Project: 39943R

QC BATCH REPORT

Batch ID: HC200901-81-1 Instrument ID FUELS-1 Method: SW8015M

LCS Sample ID: HC200901-81 Units: MG/KG Analysis Date: 9/2/2020 11:28
 Client ID: Run ID: HC200901-82A Prep Date: 9/1/2020 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|-----------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| Diesel Range Organics | 72 | 8 | 62.5 | | 115 | 75-124 | | | | 20 | |
| Surr: O-TERPHENYL | 11.9 | | 12.5 | | 95 | 56-120 | | | | | |

LCSD Sample ID: HC200901-81 Units: MG/KG Analysis Date: 9/2/2020 11:49
 Client ID: Run ID: HC200901-82A Prep Date: 9/1/2020 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|-----------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| Diesel Range Organics | 72.6 | 8 | 62.5 | | 116 | 75-124 | | 72 | 1 | 20 | |
| Surr: O-TERPHENYL | 11.9 | | 12.5 | | 95 | 56-120 | | | 0 | | |

MB Sample ID: HC200901-81 Units: MG/KG Analysis Date: 9/2/2020 11:06
 Client ID: Run ID: HC200901-82A Prep Date: 9/1/2020 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 | 8 | | | | | | | | | |
| Surr: O-TERPHENYL | 11.8 | | | | 94 | 56-120 | | | | | |

The following samples were analyzed in this batch:

2008664-1

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 2008664
 Project: 39943R

QC BATCH REPORT

Batch ID: EX200904-1 Instrument ID: HPSV4 Method: SW8270

LCS Sample ID: EX200904-1 Units: UG/KG Analysis Date: 9/10/2020 23:55
 Client ID: Run ID: SV200910-4 Prep Date: 9/4/2020 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| NAPHTHALENE | 1120 | 333 | 1330 | | 84 | 64-120 | | | | 30 | |
| 2-METHYLNAPHTHALENE | 1120 | 333 | 1330 | | 84 | 63-120 | | | | 30 | |
| ACENAPHTHYLENE | 1150 | 333 | 1330 | | 86 | 67-120 | | | | 30 | |
| ACENAPHTHENE | 1180 | 333 | 1330 | | 88 | 63-120 | | | | 30 | |
| FLUORENE | 1220 | 333 | 1330 | | 91 | 71-120 | | | | 30 | |
| PHENANTHRENE | 1220 | 333 | 1330 | | 91 | 69-120 | | | | 30 | |
| ANTHRACENE | 1230 | 333 | 1330 | | 92 | 67-120 | | | | 30 | |
| FLUORANTHENE | 1250 | 333 | 1330 | | 94 | 66-120 | | | | 30 | |
| PYRENE | 1200 | 333 | 1330 | | 90 | 69-120 | | | | 30 | |
| BENZO(A)ANTHRACENE | 1230 | 333 | 1330 | | 92 | 70-120 | | | | 30 | |
| CHRYSENE | 1240 | 333 | 1330 | | 93 | 70-120 | | | | 30 | |
| BENZO(B)FLUORANTHENE | 1260 | 333 | 1330 | | 94 | 64-120 | | | | 30 | |
| BENZO(K)FLUORANTHENE | 1280 | 333 | 1330 | | 96 | 66-120 | | | | 30 | |
| BENZO(A)PYRENE | 1240 | 333 | 1330 | | 93 | 65-120 | | | | 30 | |
| INDENO(1,2,3-CD)PYRENE | 1270 | 333 | 1330 | | 96 | 62-120 | | | | 30 | |
| DIBENZO(A,H)ANTHRACENE | 1310 | 333 | 1330 | | 98 | 64-120 | | | | 30 | |
| BENZO(G,H,I)PERYLENE | 1250 | 333 | 1330 | | 94 | 61-120 | | | | 30 | |
| Surr: NITROBENZENE-D5 | 1430 | | 1670 | | 86 | 31-120 | | | | | |
| Surr: 2-FLUOROBIPHENYL | 1510 | | 1670 | | 91 | 34-120 | | | | | |
| Surr: TERPHENYL-D14 | 1630 | | 1670 | | 98 | 39-120 | | | | | |

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 2008664
 Project: 39943R

QC BATCH REPORT

Batch ID: EX200904-1-1 Instrument ID HPSV4 Method: SW8270

LCSD Sample ID: EX200904-1 Units: UG/KG Analysis Date: 9/11/2020 00:16
 Client ID: Run ID: SV200910-4 Prep Date: 9/4/2020 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| NAPHTHALENE | 1110 | 333 | 1330 | | 83 | 64-120 | | 1120 | 1 | 30 | |
| 2-METHYLNAPHTHALENE | 1120 | 333 | 1330 | | 84 | 63-120 | | 1120 | 0 | 30 | |
| ACENAPHTHYLENE | 1150 | 333 | 1330 | | 86 | 67-120 | | 1150 | 0 | 30 | |
| ACENAPHTHENE | 1170 | 333 | 1330 | | 88 | 63-120 | | 1180 | 0 | 30 | |
| FLUORENE | 1190 | 333 | 1330 | | 90 | 71-120 | | 1220 | 2 | 30 | |
| PHENANTHRENE | 1200 | 333 | 1330 | | 90 | 69-120 | | 1220 | 2 | 30 | |
| ANTHRACENE | 1200 | 333 | 1330 | | 90 | 67-120 | | 1230 | 2 | 30 | |
| FLUORANTHENE | 1230 | 333 | 1330 | | 92 | 66-120 | | 1250 | 2 | 30 | |
| PYRENE | 1170 | 333 | 1330 | | 88 | 69-120 | | 1200 | 2 | 30 | |
| BENZO(A)ANTHRACENE | 1190 | 333 | 1330 | | 89 | 70-120 | | 1230 | 4 | 30 | |
| CHRYSENE | 1210 | 333 | 1330 | | 90 | 70-120 | | 1240 | 3 | 30 | |
| BENZO(B)FLUORANTHENE | 1190 | 333 | 1330 | | 89 | 64-120 | | 1260 | 6 | 30 | |
| BENZO(K)FLUORANTHENE | 1230 | 333 | 1330 | | 92 | 66-120 | | 1280 | 4 | 30 | |
| BENZO(A)PYRENE | 1200 | 333 | 1330 | | 90 | 65-120 | | 1240 | 3 | 30 | |
| INDENO(1,2,3-CD)PYRENE | 1220 | 333 | 1330 | | 92 | 62-120 | | 1270 | 4 | 30 | |
| DIBENZO(A,H)ANTHRACENE | 1240 | 333 | 1330 | | 93 | 64-120 | | 1310 | 5 | 30 | |
| BENZO(G,H,I)PERYLENE | 1210 | 333 | 1330 | | 91 | 61-120 | | 1260 | 4 | 30 | |
| Surr: NITROBENZENE-D5 | 1460 | | 1670 | | 88 | 31-120 | | | 2 | | |
| Surr: 2-FLUOROBIPHENYL | 1530 | | 1670 | | 92 | 34-120 | | | 1 | | |
| Surr: TERPHENYL-D14 | 1570 | | 1670 | | 94 | 39-120 | | | 3 | | |

Client: Wyoming Analytical Laboratories, Inc.
Work Order: 2008664
Project: 39943R

QC BATCH REPORT

Batch ID: EX200904-1-1 Instrument ID HPSV4 Method: SW8270

MB Sample ID: EX200904-1 Units: UG/KG Analysis Date: 9/10/2020 22:37
Client ID: Run ID: SV200910-4 Prep Date: 9/4/2020 DF: 1

| Analyte | Result | ReportLimit | 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 | 1310 | 78 31-120 | |
| Surr: 2-FLUOROBIPHENYL | 1410 | 84 34-120 | |
| Surr: TERPHENYL-D14 | 1590 | 95 39-120 | |

The following samples were analyzed in this batch:

2008664-1

Client: Wyoming Analytical Laboratories, Inc.
 Work Order: 2008664
 Project: 39943R

QC BATCH REPORT

Batch ID: VL200904-2-3 Instrument ID HPV2 Method: SW8260

LCS Sample ID: VL200904-22 Units: UG/KG Analysis Date: 9/4/2020 19:46
 Client ID: Run ID: VL200904-2A Prep Date: 9/4/2020 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | 39.9 | 5 | 40 | | 100 | 70-129 | | | | 30 | |
| TOLUENE | 38.4 | 5 | 40 | | 96 | 68-125 | | | | 30 | |
| ETHYLBENZENE | 38.9 | 5 | 40 | | 97 | 70-123 | | | | 30 | |
| M+P-XYLENE | 78.9 | 10 | 80 | | 99 | 72-123 | | | | 30 | |
| O-XYLENE | 39 | 5 | 40 | | 97 | 73-121 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 52.4 | | 50 | | 105 | 77-125 | | | | | |
| Surr: TOLUENE-D8 | 47.9 | | 50 | | 96 | 80-120 | | | | | |
| Surr: 4-BROMOFLUOROBENZENE | 55.5 | | 50 | | 111 | 71-121 | | | | | |

LCSD Sample ID: VL200904-22 Units: UG/KG Analysis Date: 9/4/2020 20:08
 Client ID: Run ID: VL200904-2A Prep Date: 9/4/2020 DF: 1

| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
|----------------------------|--------|-------------|---------|---------------|------|---------------|----------------|---------|-----|-----------|------|
| BENZENE | 40.4 | 5 | 40 | | 101 | 70-129 | | 39.9 | 1 | 30 | |
| TOLUENE | 39.2 | 5 | 40 | | 98 | 68-125 | | 38.4 | 2 | 30 | |
| ETHYLBENZENE | 39.7 | 5 | 40 | | 99 | 70-123 | | 38.9 | 2 | 30 | |
| M+P-XYLENE | 79.8 | 10 | 80 | | 100 | 72-123 | | 78.9 | 1 | 30 | |
| O-XYLENE | 39.5 | 5 | 40 | | 99 | 73-121 | | 39 | 1 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 51.9 | | 50 | | 104 | 77-125 | | | 1 | | |
| Surr: TOLUENE-D8 | 48.1 | | 50 | | 96 | 80-120 | | | 0 | | |
| Surr: 4-BROMOFLUOROBENZENE | 55.3 | | 50 | | 111 | 71-121 | | | 0 | | |

MB Sample ID: VL200904-22 Units: UG/KG Analysis Date: 9/4/2020 20:30
 Client ID: Run ID: VL200904-2A Prep Date: 9/4/2020 DF: 1

| Analyte | Result | ReportLimit | Qual |
|----------------------------|--------|-------------|------------|
| BENZENE | ND | 5 | |
| TOLUENE | ND | 5 | |
| ETHYLBENZENE | ND | 5 | |
| M+P-XYLENE | ND | 10 | |
| O-XYLENE | ND | 5 | |
| TOTAL XYLENES | ND | 5 | |
| Surr: DIBROMOFLUOROMETHANE | 52 | | 104 77-125 |
| Surr: TOLUENE-D8 | 48.5 | | 97 80-120 |
| Surr: 4-BROMOFLUOROBENZENE | 53 | | 106 71-121 |

The following samples were analyzed in this batch: 2008664-1



399432

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

Email: wairocksprings@gmail.com

| REPORT LEVEL/QC REQUIRED: |
|---------------------------------|
| Standard Level QC |
| Level III (Std QC + forms) |
| Level IV (Std QC + forms + raw) |

Doc # 339, Rvsn. 11/19/19