UIC – I - 5

ANNUAL REPORT (1)

Summary of Operations

2017

The annual MIT was performed 6/26/2017 and Bradenhead test was performed 6/26/2017. The Fall off Test was performed 6/2017, next Fall off test to be performed June 2018. No major events occurred.

Annual Class I Well Report for 2017 May 28th, 2018 Agua Moss, LLC PO Box 600 Farmington, NM 87499 Permit UICI-005 API 30-045-28653

Submitted By: Philana Thompson Regulatory Compliance Specialist Merrion Oil & Gas 610 Reilly Ave Farmington, NM 87401 505-486-1171 cell

pthompson@merrion.bz

Appendices

<u>Appendix A</u> Monthly Injection/disposal volumes MAX and Average injection PSI

Appendix B Quarterly Chemical Analyses Data

> Appendix C MIT BH Test FOT

Appendix D Charts C-138s

Appendix E

Appendix A

| | ive | 6 | (5) | 16.13 | 410 | 751 | 8 25 | 8 25 | 828 | 880 | 513 | 513 | 7.24 | 455 | 082 | 082 | 617 | 117 | 338 | 148910 18 Life Of well in jected |
|--|---------------------|--------------|----------------------------|---------------|------------------------|-------------|-------------|------------------|-------------|-------------|----------------------|------------------|-------------|-----------------|-------------|------------------|-----------------------|-------------------|-------------|----------------------------------|
| | Total Cumulative | Volume | (barrels) | 1443363 | 14445410 | 14458751 | 14470825 | 14470825 | 14510328 | 14524880 | 1454151 | 1454151 | 14559724 | 1458145 | 1460308 | 14603083 | 1462761 | 14647115 | 14662338 | 148910 |
| | | Volume | (barrels) | Previous year | 11 752 | 13 341 | 12 074 | Previous Quarter | 39503 | 14552 | 16 633 | Previous Quarter | 18 21 1 | 21731 | 21 627 | Previous Quarter | 24535 | 19500 | 15 22 1 | 228680 |
| | Minimum | Volume | (pdq) | Prev | 223 | 43 | 144 | Previou | 1231 | 191 | 200 | Previou | 556 | 78 | 357 | Previou | 193 | 301 | 331 | Total for year |
| | Maximum Minimum | Volume | (pdq) | | 13 19 | 12.40 | 15.76 | | 3186 | 12 73 | 31.04 | | 12.96 | 13 58 | 20.92 | | 19.21 | 16 83 | 17 08 | Tot |
| | | Average | Volume (bpd) | | 691.2941176 | 702.1578947 | 574.952381 | | 1975.15 | 661.4545455 | 924.0555556 | | 1011.722222 | 944.826087 | 1029.857143 | | 1066.73913 | 928.5714286 | 845.6111111 | |
| | Minimum Annular | Pressure | (p sig) | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| 2017 Quarterly Injection Report | Maximum Annular | Pressure | (psig) | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | Average | Annular | Flow (gpm) Pressure (psig) | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | | Minimum | f (mqg) wol- | | 6.5041667 | 1.2541667 | 4.2 | | 35.904167 | 5.5708333 | 5.8333333 | | 16.216667 | 2.275 | 10.4125 | | 5.6291667 | 8.7791667 | 9.6541667 | |
| | | M | (mdg) | | 38.470833 33 6.5041667 | 36.16666667 | 45.96666667 | | 92.925 | 37.12916667 | 90.5333333 5.8333333 | | 37.8 | 39.60833333 | 61.01666667 | | 56.02916667 5.6291667 | 49.0875 | 49.81666667 | |
| | | Average Flow | (m d8) | | 20.1627451 | 20.47960526 | 16.7694444 | | 57.60854167 | 19.29242424 | 26.95162037 | | 29.50856481 | 27.55742754 | 30.0375 | | 31.11322464 | 27.08333333 | 24.66365741 | |
| | Minimum | Pressure | (bsig) | | 1500 | 1500 | 1600 | | 1850 | 200 | 1700 | | 1600 | 1800 | 1650 | | 2000 | 2150 | 2050 | |
| 15-28653 | Maximum | Pressure | (b sig) | | 2250 | 2250 | 2250 | | 2300 | 2200 | 2290 | | 2300 | 2200 | 2300 | | 2250 | 2300 | 2400 | |
| Agua Moss, LLC Agua Moss, LLC Sunco Disposal #1 30-045-28653 | Average | Pressure | (b sig) | | Jan-2017 1756.818 | 18 90 | 1817.391 | | 2182.5 | 1975 | 2069.545 | | 20.10 | Aug-17 2108.696 | 2113.636 | | 2150 | Vov-2017 2239.286 | 2262.5 | |
| 4gua Moss, LLC Sunco Disposal | | | | | Jan-2017 | Feb-2017 | Mar-2017 | | Apr -2017 | May-2017 | Jun-2017 | | Jul-17 | Aug-17 | Sep -17 | | Oct -2017 | Nov-2017 | Dec-2017 | - |



April 14, 2017

Ms. Shacie Murray Agua Moss LLC P.O. Box 600 Farmington, New Mexico 87499

Re: Sunco Disposal #1 Injection Water Quarterly Monitoring 1st Quarter 2017

Dear Ms. Murray:

This report summarizes the sample collection, field screening, and laboratory analysis of the injection water at the Agua Moss LLC Sunco Disposal #1 well for the 1st Quarter 2017. Injection water of the Class I Sunco Disposal #1 well is assessed on a quarterly basis in accordance with 20.6.5207B NMAC.

Field Activities

Rule Engineering, LLC (Rule) personnel collected one injection water sample from the process line inside the pump building at the location on March 14, 2016. Injection water was discharged from the valve of the process line into a clean, 5gallon bucket for field screening and transfer to laboratory sample containers.

Sample Collection and Field Screening Procedures The injection water sample (S-3) was field screened for time sensitive parameters including pH, temperature, reduction potential (Eh), and specific conductance. Field screening was conducted utilizing a handheld water quality meter calibrated on the day of use with laboratory grade standards.

The sampled injection water was placed into laboratory supplied containers, Labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Table 1. Field Screening and Laboratory Analytical Summary

| Constituent | Labora | atory Value | Field Measurement | | | |
|----------------------|--------|-------------|-------------------|----------|--|--|
| pН | 6.73 | | 6.75 | | | |
| Temperature | | | 15.4 | °C | | |
| Reduction Potential | -226 | mV | -298.3 | mV | | |
| Specific Conductance | 42,000 | µmhos/cm | 26,000 | µmhos/cm | | |
| Specific Gravity | 1.016 | | | | | |

1055 Kipling Street, Lakewood, CO 80215 / 501 Airport Drive #205, Farmington, NM 87401 (303) 431-8500 : Fax: (303) 431-3750 : www.ruleengineering.com : (505) 325-1055

Appendix B

Ms. Shacie Murray Sunco Disposal #1: Injection Water Monitoring – $1^{\rm st}\,Qtr\,2017$ April 14, 2017 Page 2 of 3

| Constituent | Labora | atory Value | Field Measurement |
|-------------------------------------|-----------|---------------|-------------------|
| Total Dissolved Solids | 26,900* | mg/L | |
| Bicarbonate (As CaCO ₃) | 663.3 | mg/L CaCO₃ | |
| Carbonate (As CaCO3) | <2.000 | mg/L CaCO₃ | |
| Fluoride | 34* | mg/L | |
| Chloride | 11,000* | mg/L | |
| Bromide | 47 | mg/L | |
| Phosphorous, | 16 | mg/L | |
| Orthophosphate | | | |
| Sulfate | 1,600* | mg/L | |
| Nitrate + Nitrite (as N) | <10 | mg/L | |
| Calcium | 560 | mg/L | |
| Magnesium | 77 | mg/L | |
| Potassium | 800 | mg/L | |
| Sodium | 7,500 | mg/L | |
| Reactive Cyanide | 0.0302 | mg/L | |
| Reactive Sulfide | <0.0500 | mg/L | |
| Corrosivity by pH | 6.60 | | |
| Flashpoint | Did not f | lash at 170°F | |

*Exceeded maximum analytical level

QA/QC Considerations

Field measurements for time sensitive parameters including pH, temperature, reduction potential, and specific conductance more accurately reflect the characteristics of the injection water than laboratory results for these parameters due to their rapidly changing nature when removed from the stable environment of the process line. The hold time qualifier is indicated on the laboratory report for pH as the hold time of 15 minutes from collection was exceeded during transport prior to analysis.

A dilution due to matrix qualifier is indicated on the laboratory report for total dissolved solids due to an initial dilution made during sample preparation based on the visual observations of laboratory personnel indicating the need for the dilution. Results for fluoride, chloride, sulfate and total dissolved solids exceed the maximum analytical level reportable by the laboratory which should be taken into consideration in evaluation of water quality characteristics.



These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Ms. Shacie Murray Sunco Disposal #1: Injection Water Monitoring – 1st Qtr 2017 April 14, 2017 Page 3 of 3

Closure and Limitations

This report is prepared for the exclusive use of Agua Moss LLC and is subject to the terms, conditions, and limitations stated in Rule's report and Service Agreement with Agua Moss LLC. All work has been performed in accordance with generally accepted professional environmental consulting practices. No other warranty is expressed or implied.

Rule Engineering appreciates the opportunity to provide services to Agua Moss LLC. If you have any questions, please contact me at (505) 325-1055.

Sincerely, Rule Engineering, LLC

Heather M. Woods, P.G. Area Manager/Geologist

Attachments: Laboratory Analytical Report (Hall: 1703798)

| Hall F. | wironmental Analy | sis Labore | town In | | | | Lab Order 1703798 | |
|-----------|---------------------------|------------|---------|------|----------------|---------|------------------------|----------|
| пап ел | Ivironmental Analy | SIS Labora | nory, m | ic. | | | Date Reported: 4/14/20 | 17 |
| CLIENT: | Rule Engineering LLC | | | (| lient Sample I | D: S-3 | 3 (3/14/17) | |
| Project: | Sunco Disposal Well 1 | | | | Collection Da | te: 3/1 | 4/2017 10:15:00 AM | |
| Lab ID: | 1703798-001 | Matrix: | AQUEOU | S | Received Da | te: 3/1 | 5/2017 7:20:00 AM | |
| Analyses | | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
| SPECIFIC | GRAVITY | | | | | | Analys | t: LGT |
| Specific | Gravity | 1.016 | 0 | | | 1 | 3/15/2017 4:30:00 PM | R41392 |
| EPA MET | HOD 300.0: ANIONS | | | | | | Analys | t: MRA |
| Fluoride | | 34 | 2.0 | * | mg/L | 20 | 3/28/2017 5:28:36 PM | R41713 |
| Chloride | | 11000 | 500 | * | mg/L | 1E | 3/21/2017 9:35:52 PM | R41545 |
| Bromide | | 47 | 2.0 | | mg/L | 20 | 3/16/2017 5:00:02 AM | A41411 |
| Phospho | rus, Orthophosphate (As P | 16 | 2.5 | | mg/L | 5 | 3/16/2017 4:47:38 AM | A41411 |
| Sulfate | | 1600 | 500 | * | mg/L | 1E | 3/21/2017 9:35:52 PM | R41545 |
| Nitrate+N | litrite as N | ND | 10 | | mg/L | 50 | 3/21/2017 8:58:37 PM | R41545 |
| SM2510B | SPECIFIC CONDUCTANCE | E | | | | | Analys | t: JRR |
| Conducti | vity | 42000 | 10 | | µmhos/cm | 10 | 3/21/2017 11:56:22 AN | 1 R41539 |
| SM2320E | ALKALINITY | | | | | | Analys | t: JRR |
| Bicarbon | ate (As CaCO3) | 663.3 | 20.00 | | mg/L CaCO3 | 1 | 3/16/2017 3:25:09 PM | R41461 |
| Carbonal | le (As CaCO3) | ND | 2.000 | | mg/L CaCO3 | 1 | 3/16/2017 3:25:09 PM | R41461 |
| Total Alk | alinity (as CaCO3) | 663.3 | 20.00 | | mg/L CaCO3 | 1 | 3/16/2017 3:25:09 PM | R41461 |
| SM2540C | MOD: TOTAL DISSOLVED | SOLIDS | | | | | Analys | t: KS |
| Total Dis | solved Solids | 26900 | 2000 | *D | mg/L | 1 | 3/19/2017 5:45:00 PM | 30767 |
| SM4500-I | H+B: PH | | | | | | Analys | t: JRR |
| pH | | 6.73 | | н | pH units | 1 | 3/16/2017 3:25:09 PM | R41461 |
| EPA MET | HOD 6010B: DISSOLVED M | ETALS | | | | | Analys | t: MED |
| Calcium | | 560 | 20 | | mg/L | 20 | 3/27/2017 11:36:25 AM | A41669 |
| Magnesi | um | 77 | 1.0 | | mg/L | 1 | 3/27/2017 11:07:42 AM | A41669 |
| Potassiu | m | 800 | 20 | | mg/L | 20 | 3/27/2017 11:36:25 AN | A41669 |
| Sodium | | 7500 | 200 | | mg/L | 200 | 3/27/2017 11:37:55 AN | A41669 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix
 Helding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 The Advancement of the

Qualifiers:

- R RPD outside accepted recovery limits S % Recovery outside of range due to dilution or matrix
- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits
 Page 1 of 6

 P
 Sample pH Not In Range
 Page 1 of 6
- RL Reporting Detection Limit W Sample container temperature is out of limit as specified

Analytical Report

| 1703798-001C S-3 (3/14/17) SAMPLE RESULTS - 01 ONE LAB. MATIONWIDE. | |
|--|--|
| Wet Chemistry by Method 2580 | |
| Result Qualifier Dilution Analysis Batch Analyte mV dstr./ time "T 069 -226 T_0 1 0.92/2/2017 1/1.2 MG/62.3179 "T c | |
| Wet Chemistry by Method 9012 B | 3 |
| Analyte mg/ mg/ dis// time Reactive Canada 0 0002 0 00500 1 0304/2017 09-53 <u>W05453077</u> | |
| Wet Chemistry by Method 9034-9030B Sr Result Qualiter RD. Dilution Analysis Batch | 2 |
| Analyte mg1 duir/min CC Rescrive Same AO 0.05500 1 0920/071/2317 Worder-2016 Mod Characteristics Methods GL GL GL GL | R N R |
| Wet Chemistry by Method 9040C G Result Qualifier Olution Analysis Betch Analyte Sis date / Fine G | 84 94 97 97 97 97 97 97 97 97 97 97 97 97 97 |
| Averaging 30 Galler Faller 1 2 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 5 |
| 9040C-L896772-01W0963412*-6-6-01 at 20.3c | |
| Wet Chemistry by Method D93/I0IOA Result Distion Analysis Batch Analyse org F date /rine date /rine date /rine | |
| Flavipoint DNF at 170 1 03/20/2017 15:25 <u>14/2012579</u> | P80 (mms P80 (mms P86 (mms))))))))))))))))))))))))))))))))))) |
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| | cate (DUP) 3/22/01 2/2 0/4/2 0/2 0/20/2 0/10/1 0/20/2 0/10/2 0/20/2 0/20/2 0/20/2 0/2 0/20/2 0/ |
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DATE/TIME 04/4/7/13:09

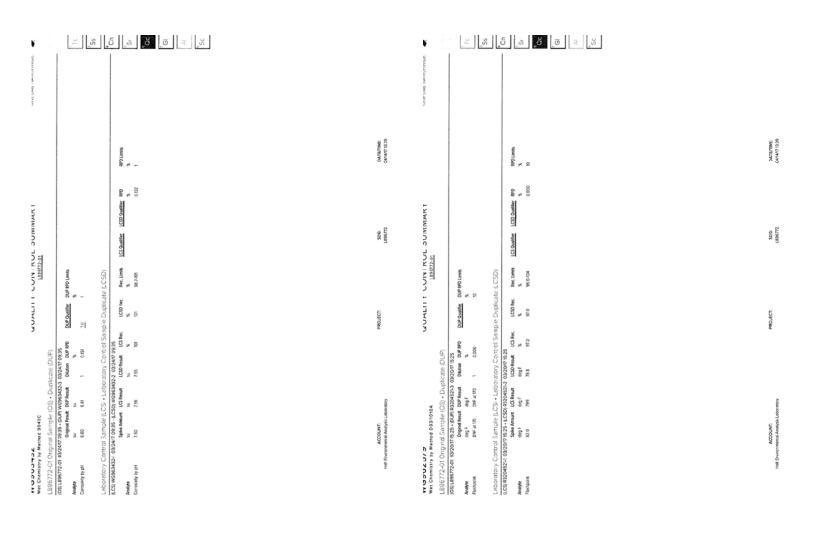
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PROJECT:

ACCOUNT: Hell Ewironmental Analysis Laboratory

ACCOUNT: Hall Environmental Analysis Laboratory

PROJECT:



ONE LAB. NATIONWIDE.

AI Sc

GLOSSARY OF TERMS

| Т8 | Sample(s) received past/too close to holding time expiration. |
|-----------------|---|
| Qualifier | Description |
| | |
| Rec. | Recovery. |
| | from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) |
| RPD | Relative Percent Difference |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| ND | Not detected at the Reporting Limit (or MOL where applicable). |
| RDL | Reported Detection Limit. |
| SDG MDL | Sample Delivery Group. Method Detection Limit. |

| QC SUMMARY REPORT |
|--|
| Hall Environmental Analysis Laboratory, Inc. |
| |

| Client: | Rule Engineering L | LC | | | | | | |
|------------------------|------------------------|--------------------------|--------------|-------------------|-----------------|----------|-----------|------|
| Project: | Sunco Disposal We | :11 1 | | | | | | |
| - | | | | | | | | |
| Sample ID MB | SampT | ype: MBLK | Tes | tCode: EPA Method | 1 300.0: Anions | 5 | | |
| Client ID: PBW | Batch | h ID: A41411 | F | RunNo: 41411 | | | | |
| Prep Date: | Analysis D | Date: 3/15/2017 | S | SeqNo: 1298417 | Units: mg/L | | | |
| Analyte | Result | PQL SPK value | SPK Ref Val | %REC LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Bromide | ND | 0.10 | | | | | | |
| Phosphorus, Orthophosp | ohate (As P ND | 0.50 | | | | | | |
| Sample ID LCS | SampT | Vpe: LCS | Tes | tCode: EPA Method | 300 0: Anions | | | |
| Client ID: LCSW | | h ID: A41411 | | RunNo: 41411 | 000.0.7411011 | · | | |
| Prep Date: | | Date: 3/15/2017 | | SeqNo: 1298418 | Units: mg/L | | | |
| | | | | | - | | | |
| Analyte | Result | | SPK Ref Val | %REC LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Bromide | 2.6 bhate (As P 5.1 | 0.10 2.500 0.50 5.000 | 0 | 103 90 102 90 | 110 110 | | | |
| Phosphorus, Orthophosp | onate (As P 5.1 | 0.50 5.000 | U | 102 90 | 110 | | | |
| Sample ID MB | SampT | ype: mblk | Tes | tCode: EPA Method | 1 300.0: Anions | 5 | | |
| Client ID: PBW | Batch | h ID: R41545 | F | RunNo: 41545 | | | | |
| Prep Date: | Analysis D | Date: 3/21/2017 | 5 | SeqNo: 1303801 | Units: mg/L | | | |
| Analyte | Result | PQL SPK value | SPK Ref Val | %REC LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 0.50 | | | | | | |
| Sulfate | ND | 0.50 | | | | | | |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | |
| Sample ID LCS | SampT | ype: Ics | Tes | tCode: EPA Method | 1 300.0: Anions | 5 | | |
| Client ID: LCSW | Batch | h ID: R41545 | F | RunNo: 41545 | | | | |
| Prep Date: | Analysis D | Date: 3/21/2017 | ŝ | SeqNo: 1303802 | Units: mg/L | | | |
| Analyte | Result | | SPK Ref Val | %REC LowLimit | HighLimit | %RPD | RPDI imit | Qual |
| Chloride | 50 | 0.50 5.000 | 011(1(01)(a) | 99.4 90 | 110 | 701 CI D | Từ Dùmi | Quai |
| Sulfate | 10 | 0.50 10.00 | 0 | 101 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.6 | 0.20 3.500 | 0 | 103 90 | 110 | | | |
| Sample ID MB | SamnT | Type: mblk | Tes | Code: EPA Method | 300.0: Anions | | | |
| Client ID: PBW | | h ID: R41713 | | RunNo: 41713 | | - | | |
| Prep Date: | | Date: 3/28/2017 | | SeaNo: 1309254 | Units: mg/L | | | |
| Analyte | Result | | SPK Ref Val | | - | %RPD | RPDI imit | Qual |
| Fluoride | Result | 0.10 PQL SPK value | ork ker Val | %REC LowLimit | HighLimit | %RPD | RPDLIMI | Quai |
| 1100100 | ND | 0.10 | | | | | | |

- Qualifiers:

 Value exceeds Maximum Contaminant Level.

 D sample Diluted Due to Matrix

 H Holding times for preparation or analysis exceeded

 ND Not Detected at the Reporting Limit

 R RPD outside acceptor recovery limits

 S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit Sample container temperature is out of limit as specified E J

RL

W

Page 2 of 6

WO#:

1703798 14-Apr-17

SDG: L896772

PROJECT:

DATE/TIME: 04/14/17 13:09

Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | | Rule Engineering LL Sunco Disposal Wel | | | | | | | | | |
|---------------------|----|---|---------|-----------|-------------|----------|-----------|--------------|------|----------|------|
| Sample ID LC | s | SampTy | pe: Ics | 5 | Tes | tCode: E | PA Method | 300.0: Anion | s | | |
| Client ID: LC | sw | Batch | ID: R4 | 1713 | F | RunNo: 4 | 1713 | | | | |
| Prep Date: | | Analysis Da | te: 3/ | 28/2017 | S | SeqNo: 1 | 309255 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Fluoride | | 0.51 | 0.10 | 0.5000 | 0 | 101 | 90 | 110 | | | |

WO#:

1703798

14-Apr-17

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

14-Apr-17

| Client: Project: | | Rule Engineering LL Sunco Disposal Well | | | | | | | | | | | |
|---------------------|-------|--|----------------|-----------|--|--|----------|-------------|------|----------|------|--|--|
| Sample ID N | 1B-A | SampTy | SampType: MBLK | | | TestCode: EPA Method 6010B: Dissolved Metals | | | | | | | |
| Client ID: P | BW | Batch | ID: A4 | 1669 | F | RunNo: 4 | 1669 | | | | | | |
| Prep Date: | | Analysis Da | ite: 3 | 27/2017 | s | eqNo: 1 | 307438 | Units: mg/L | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Calcium | | ND | 1.0 | | | | | | | | | | |
| Magnesium | | ND | 1.0 | | | | | | | | | | |
| Potassium | | ND | 1.0 | | | | | | | | | | |
| Sodium | | ND | 1.0 | | | | | | | | | | |
| Sample ID L | .CS-A | SampTy | pe: LC | s | TestCode: EPA Method 6010B: Dissolved Metals | | | | | | | | |
| Client ID: L | .csw | Batch | ID: A4 | 1669 | F | RunNo: 4 | 1669 | | | | | | |
| Prep Date: | | Analysis Da | ite: 3 | 27/2017 | S | SeqNo: 1 | 307439 | Units: mg/L | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Calcium | | 53 | 1.0 | 50.00 | 0 | 106 | 80 | 120 | | | | | |
| Magnesium | | 52 | 1.0 | 50.00 | 0 | 105 | 80 | 120 | | | | | |
| Magnesium | | | | | | | | | | | | | |
| Potassium | | 51 | 1.0 | 50.00 | 0 | 102 | 80 | 120 | | | | | |

Qualifiers:

Client:

Project:

Sample ID mb-1

Client ID: PBW

Analyte Total Alkalinity (as CaCO3) Sample ID Ics-1

Client ID: LCSW

Analyte Total Alkalinity (as CaCO3) Sample ID mb-2

Client ID: PBW

Analyte Total Alkalinity (as CaCO3)

Sample ID Ics-2

Client ID: LCSW

Analyte Total Alkalinity (as CaCO3)

Prep Date:

Prep Date:

Prep Date:

Prep Date:

- Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

SampType: mblk

Batch ID: R41461

Analysis Date: 3/16/2017

Batch ID: R41461

Analysis Date: 3/16/2017

SampType: mblk

Batch ID: R41461

Analysis Date: 3/16/2017

SampType: Ics

Batch ID: R41461

Analysis Date: 3/16/2017

4 20.00 80.0

Rule Engineering LLC

Sunco Disposal Well 1

J Analyte detected below quantitation limits P Sample pH Not In Range

Value above quantitation range

TestCode: SM2320B: Alkalinity

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 ND
 20.00

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 79.04
 20.00
 80.00
 0
 98.8
 90
 110

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 ND
 20.00

TestCode: SM2320B: Alkalinity

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 79.76
 20.00
 80.00
 0
 99.7
 90
 110

SeqNo: 1299924 Units: mg/L CaCO3

SeqNo: 1299925 Units: mg/L CaCO3

SeqNo: 1299948 Units: mg/L CaCO3

SeqNo: 1299949 Units: mg/L CaCO3

RunNo: 41461

RunNo: 41461

RunNo: 41461

RunNo: 41461

· 30. -TestCode: SM2320B: Alkalinity

SampType: Ics TestCode: SM2320B: Alkalinity

B Analyte detected in the associated Method Blank

RL Reporting Detection Limit W Sample container temperat ure is out of limit as specified

 Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix

 H
 Holding times for preparation or analysis exceeded

 ND
 Next Detected at the Reporting Limit

- R RPD outside accepted recovery limits S % Recovery outside of range due to dilution or matrix
- J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Detection Limit W Sample container temperat
 - ature is out of limit as specified

Page 4 of 6

WO#:

Page 6 of 6

1703798

14-Apr-17

B Analyte detected in the associated Method Blank

Value above quantitation range

QC SUMMARY REPORT

| Hall Environmental | Analysis | Laboratory, I | nc. |
|--------------------|----------|---------------|-----|
| | | | |

| | Engineering LLC Disposal Well 1 | |
|--------------------------------------|------------------------------------|---|
| Sample ID MB-30767 Client ID: PBW | SampType: MBLK Batch ID: 30767 | TestCode: SM2540C MOD: Total Dissolved Solids RunNo: 41484 |
| Prep Date: 3/17/2017 | Analysis Date: 3/19/2017 | SeqNo: 1300536 Units: mg/L |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Total Dissolved Solids | ND 20.0 | |
| Sample ID LCS-30767 | SampType: LCS | TestCode: SM2540C MOD: Total Dissolved Solids |
| Client ID: LCSW | Batch ID: 30767 | RunNo: 41484 |
| Prep Date: 3/17/2017 | Analysis Date: 3/19/2017 | SeqNo: 1300537 Units: mg/L |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Total Dissolved Solids | 1010 20.0 1000 | 0 101 80 120 |

Qualifiers:

- Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Marrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RPD outside accepted recovery limits
 % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated wethod is Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit RL
 - W Sample container temperature is out of limit as specified

B Analyte detected in the associated Method Blank

Value exceeds Maximum Contaminant Level.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 Helding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S % Recovery outside of range due to dilution or matrix
 - RL

E

Analyte detected below quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit

B Analyte detected in the associated Method Blank

Sample container temperature is out of limit as specified

Page 5 of 6

Page 3 of 6

WO#:

1703798

14-Apr-17

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental A Albus TEL: 505-345-3975 I Website: www.hall | 4901 Hawkin puerque, NM 8 FAX: 505-345- | 107 Sam | ple Log-In Check List |
|--|---|---|-----------|------------------------|
| Client Name: RULE ENGINEERING LL | Work Order Number: | 1703798 | | ReptNo: 1 |
| Received by/date: | 05/15/12 | | | |
| Logged By: Lindsay Mangin | 3/15/2017 7:20:00 AM | | Hytte | |
| Completed By: Lindsay Mangin Reviewed By: QJ.3 | 3/15/2017 12:50:54 PM 03/16/17 | | July Mago | |
| Chain of Custody | | | | |
| 1. Custody seals intact on sample bottles? | | Yes 🗌 | No 🗆 | Not Present 🗹 |
| 2. Is Chain of Custody complete? | | Yes 🗹 | No 🗆 | Not Present |
| 3. How was the sample delivered? | | Courier | | |
| Log In | | | | |
| 4. Was an attempt made to cool the sample | 8? | Yes 🗹 | No 🗌 | NA 🗆 |
| 5. Were all samples received at a temperatu | re of >0° C to 6.0°C | Yes 🗹 | No 🗆 | NA 🗆 |
| 6. Sample(s) in proper container(s)? | | Yes 🗹 | No 🗆 | |
| 7. Sufficient sample volume for indicated tes | l(s)? | Yes 🗹 | No 🗆 | |
| 8, Are samples (except VOA and ONG) prop | erly preserved? | Yes - | No Er S | re |
| 9. Was preservative added to bottles? | | Yes 🕑 | No 🖌 | ste na 🗆 |
| 10.VOA vials have zero headspace? | | Yes 🗌 | No 🗆 | No VOA Vials 🗹 |
| 11. Were any sample containers received bro | ken? | Yes 🗆 | No 🗹 | # of preserved 2,2 |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No 🗆 | for pH: |
| Are matrices correctly identified on Chain | of Custody? | Yes 🗹 | NO 🗆 | Adjusted? U.S. |
| 4. Is it clear what analyses were requested? | | Yes 🗹 | No 🗌 | -1 |
| Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🗹 | No 🗆 | Checked by: <u>JFR</u> |
| special Handling (if applicable) | | | | |

16 Was client octified of all discrepancies with this order?

| 10, may orone notified of an o | acrepancies meneral ena croent | | | ~ _ | 1475 | |
|--------------------------------|--------------------------------|-----|---------------|------|---------------|--|
| | | | | | | |
| Person Notified: | Day | | | | - | |
| By Whom: | Via | eMa | ail 🗌 Phone [| _ Fa | x 🗌 In Person | |
| Reception: | | | | | | |

Client Instructions: 17. Addisonal remarks: For metrils analysis: noded 2 m t HNO3 to ODIB for acceptuble pH. Held 18. Souler Internation Cooler No Temp C Condition Seal Intact Seal No Seal Date Signed By 1. 0. Good Yes. 1. 0. Good Yes. 1. 0. Souler State State

v-- □

No 🗌

NA 🔽

Page 1 of 1



July 24, 2017

Ms. Shacie Murray Aqua Moss LLC P.O. Box 600 Farmington, New Mexico 87499

Sunco Disposal #1 Re: Injection Water Quarterly Monitoring 2nd Quarter 2017

Dear Ms. Murray:

This report summarizes the sample collection, field screening, and laboratory analysis of the injection water at the Agua Moss LLC Sunco Disposal #1 well for the 2nd Quarter 2017. Injection water of the Class I Sunco Disposal #1 well is assessed on a quarterly basis in accordance with 20.6.5207B NMAC.

Field Activities

Rule Engineering, LLC (Rule) personnel collected one injection water sample from the process line inside the pump building at the location on June 12, 2017. Injection water was discharged from the valve of the process line into a clean, 5-gallon bucket for field screening and transfer to laboratory sample containers.

Sample Collection and Field Screening Procedures The injection water sample (S-4) was field screened for time sensitive parameters including pH, temperature, reduction potential (Eh), and specific conductance. Field screening was conducted utilizing a handheld water quality meter calibrated on the day of use with laboratory grade standards.

The sampled injection water was placed into laboratory supplied containers. Labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Table 1. Field Screening and Laboratory Analytical Summary

| Constituent | Laboratory Value | Field Measurement |
|----------------------|------------------|-------------------|
| pН | 7.43 | 7.02 |
| Temperature | | 18.2 °C |
| Reduction Potential | | -252.2 mV |
| Specific Conductance | 42,000 µmhos/cm | 39,200 µmhos/cm |
| Specific Gravity | 1.009 | |

 1055 Kipling Street, Lakewood, CO 80215
 /
 501 Airport Drive #205, Farmington, NM 87401

 (303) 431-8500 : Fax: (303) 431-3750 :
 www.ruleengineering.com
 : (505) 325-1055

| Chail | n-of-Cu | Chain-of-Custody Record | Turn-Arcund Time | ne. | | | | HA | 1 | NEN | HALL ENVIRONMENTAL | NO | M | LN | AL |
|---|--------------------------|---|---------------------------------------|----------------------|---------------------------------------|---|-------------------|------------------------|-----------|--------------------------|---|------------------------|--------------|--------|------------|
| Kul | L Engine | Rule Engineering, LLC | A Standard | D Rush | | | F | AN | AL | IS | ANALYSIS LABORATORY | ABC | DR. | TO | RY |
| | 2 | 0 | Project Name: | | | | U | - mm | w halle | DVILOT | www.hallenvinormental.com | , Hog | | | |
| ng Addre. | A 102:00 | Mailing Address: 501 Aurort Dr. Ske 205 | Sunce Disposed Well #1 | sposed (| Nee0 # 1 | 46 | 01 Ha | wkins | | Albuqu | 4901 Hawkins NE - Albuquerque, NM 87109 | NIM 6 | 1109 | | |
| www | NN. NO | Farmington, NAI 87401 | Project #: | | | F | Tel. 505-345-3375 | -345-3 | | Fax | Fax 505-345-4107 | 45-41 | 10 | | |
| 10 # () | Phone #. (505)7 16-27.67 | -27.87 | | | | | | | An | alysis | Analysis Request | 190 | | ľ | |
| I or Fax#: | hunds | email or Fax#: hyunood S@rulee noinee ring. Com Project Manager | Project Manage | i. | | | 1000 | | | (*0 | | - | | | - |
| OA/OC Package | W | □ Level 4 (Full Validation) Heather Words | Heather in | lands | | | | | (SWI | S'*Od | | _ | _ | _ | _ |
| Accreditation | - Ches | | sampler Just | in Valde | sampler Jushin Valchez / Heulin Words | BINL | an la | _ | | "ON | | | | - | _ |
| Time | 1 | | Comila Torma | F | PI NO | _ | 380 | - | 8 10 | _ | 1 50 | | _ | - | _ |
| addi l na | | | ocupie licitation - | i | 0 | _ |) E | _ | 01 | - | pia | - | - | - | _ |
| Date Time | e Matrix | Sample Request ID | Container P | Preservative Type | HEAL NO. | ы + хэтв М + хэтв М + хэтв | ISFOS HAT | EDB (Meth HPH (Meth | EB) a'HA9 | M 8 AADA (, 1) anuinA | 0294 F808 | DV) E0358 mb2) 0758 | any us | RCI | |
| 12 1015 | Walw | 3/4/12/1015 Water 5-3 (3/14/17) / | (2) 500 mL Park Non | Non | 100- | | | | | | | - | × | X | |
| | | 1 | (1) SOO and Placker | HN0. | | | | | | - | | - | | | _ |
| - | | ~ | (1)500 nu Plani | Naph | | | | - | | - | | - | | - | - |
| _ | | | (1) SUDYIN PLAK TIA CUM | Zinc Actual | | | | | | - | | - | | | |
| | | 2 | (1)125mLPank | Hason | | | | - | | - | | - | | | |
| | | | | | | | | | | | | - | | | _ |
| | | | | | | | | | | | | | | | |
| Date: Time: 1417 1605 Date: Time: | yd benaughan | May West | Received Sy ONUSELL Received St | 1)all | Ume Ume | Remarks: Andrea, 4, pH, EHSPECH, Conductiona, Aurisi Barning: and Editoris, and an including Alucinete, cultum potissisism, mannum, sedum Ecarbonas, Currowsk | S. Ans | Plas 6 Cablo | to so | Et. | speck inclu | ti Co | Alux Plux | Hance, | the factor |
| | | t. I. Dollar | 1 Mai | Y | USIIGI 1 | Chloride Sulfak, TDS, calmon langer balance, and | Le Su | J. Falles | SOL | Call | al un | D THI | nd c | Lanc | a, an |

Ms. Shacie Murray

Sunco Disposal #1: Injection Water Monitoring - 2nd Qtr 2017 July 24, 2017 Page 2 of 3

| Constituent | Labora | atory Value | Field Measurement |
|-------------------------------------|-----------|---------------|-------------------|
| Total Dissolved Solids | 21,000 | mg/L | |
| Bicarbonate (As CaCO ₃) | 1,121 | mg/L CaCO₃ | |
| Carbonate (As CaCO ₃) | <5.000 | mg/L CaCO₃ | |
| Fluoride | <0.50 | mg/L | |
| Chloride | 11,000 | mg/L | |
| Bromide | 14 | mg/L | |
| Phosphorous, Orthophosphate | 3.4 | mg/L | |
| Sulfate | 2,000 | mg/L | |
| Nitrate + Nitrite (as N) | <20 | mg/L | |
| Calcium | 1,100 | mg/L | |
| Magnesium | 53 | mg/L | |
| Potassium | 1,100 | mg/L | |
| Sodium | 5,600 | mg/L | |
| Reactive Cyanide | 0.0703 | mg/L | |
| Reactive Sulfide | 0.199 | mg/L | |
| Corrosivity by pH | 6.88 | | |
| Flashpoint | Did not f | lash at 170°F | |

QA/QC Considerations

Field measurements for time sensitive parameters including pH, temperature, reduction measurements to the sensitive parameters including pri, temperature, reduction potential, and specific conductance more accurately reflect the characteristics of the injection water than laboratory results for these parameters due to their rapidly changing nature when removed from the stable environment of the process line. The hold time qualifier is indicated on the laboratory report for pH as the hold time of 15 minutes from collection was exceeded during transport prior to analysis.

A dilution due to matrix qualifier is indicated on the laboratory report for total dissolved solids due to an initial dilution made during sample preparation based on the visual observations of laboratory personnel indicating the need for the dilution. Results for fluoride, chloride, sulfate and total dissolved solids exceed the maximum analytical level reportable by the laboratory which should be taken into consideration in evaluation of water quality characteristics.



Ms. Shacie Murray Sunco Disposal #1: Injection Water Monitoring – 2nd Qtr 2017 July 24, 2017 Page 3 of 3

Closure and Limitations

This report is prepared for the exclusive use of Agua Moss LLC and is subject to the terms, conditions, and limitations stated in Rule's report and Service Agreement with Agua Moss LLC. All work has been performed in accordance with generally accepted professional environmental consulting practices. No other warranty is expressed or implied.

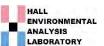
Rule Engineering appreciates the opportunity to provide services to Agua Moss LLC. If you have any questions, please contact me at (505) 325-1055.

Sincerely, Rule Engineering, LLC

Heather M. Woods, P.G.

Area Manager/Geologist

Attachments: Laboratory Analytical Report (Hall: 1706623)



Hall Environmental Analysis Laboratory 4901 Hawkins NE 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1706623

July 05, 2017 Heather Woods Rule Engineering LLC 501 Airport Dr., Ste 205 Farmington, NM 87401 TEL: (505) 325-1055 FAX

RE: Sunco Disposal Well 1

Dear Heather Woods

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/13/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. provided if the sample analysis of analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely, andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| | á | i | |
|--|---|-------|--|
| | | | |

| Hall E | nvironmental Analysis | s Labora | tory, In | c. | | | Analytical Report Lab Order 1706623 Date Reported: 7/5/201' | 7 |
|--------------------------------|--|----------|----------|------|------------|---------|---|--------|
| CLIENT: Project: Lab ID: | : Rule Engineering LLC Sunco Disposal Well 1 1706623-001 | Matrix: | AQUEOUS | | | te: 6/1 | 4 (6/12/17) 2/2017 10:30:00 AM 3/2017 7:55:00 AM | |
| Analyses | | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
| SPECIFI | C GRAVITY | | | | | | Analyst | JRR |
| Specific | Gravity | 1.009 | 0 | | | 1 | 6/16/2017 11:37:00 AM | R43561 |
| EPA ME | THOD 300.0: ANIONS | | | | | | Analyst | MRA |
| Fluoride | | ND | 0.50 | | mg/L | 5 | 6/13/2017 11:26:57 AM | R43459 |
| Chloride | | 11000 | 500 | * | mg/L | 1E | 6/27/2017 3:07:57 PM | R43827 |
| Bromide | • | 14 | 10 | | mg/L | 100 | 6/28/2017 4:47:09 AM | R43827 |
| Phospho | orus, Orthophosphate (As P) | 3.4 | 2.5 | | mg/L | 5 | 6/13/2017 11:26:57 AM | |
| Sulfate | | 2000 | 50 | * | mg/L | | 6/28/2017 4:47:09 AM | R43827 |
| Nitrate+ | Nitrite as N | ND | 20 | | mg/L | 100 | 6/28/2017 4:59:33 AM | R43827 |
| SM2510 | B: SPECIFIC CONDUCTANCE | | | | | | Analyst | JRR |
| Conduct | livity | 42000 | 50 | | µmhos/cm | 10 | 6/21/2017 2:21:57 AM | R43705 |
| SM23208 | B: ALKALINITY | | | | | | Analyst | JRR |
| Bicarbo | nate (As CaCO3) | 1121 | 50.00 | | mg/L CaCO3 | 2.5 | 6/21/2017 2:00:55 AM | R43705 |
| Carbona | ate (As CaCO3) | ND | 5.000 | | mg/L CaCO3 | 2.5 | 6/21/2017 2:00:55 AM | R43705 |
| Total All | kalinity (as CaCO3) | 1121 | 50.00 | | mg/L CaCO3 | 2.5 | 6/21/2017 2:00:55 AM | R43705 |
| SM25400 | C MOD: TOTAL DISSOLVED SC | LIDS | | | | | Analyst | KS |
| Total Di | ssolved Solids | 21000 | 200 | *D | mg/L | 1 | 6/15/2017 3:53:00 PM | 32279 |
| SM4500- | H+B: PH | | | | | | Analyst | JRR |
| pН | | 7.43 | | н | pH units | 1 | 6/15/2017 6:04:38 PM | R43555 |
| EPA ME | THOD 200.7: TOTAL METALS | | | | | | Analyst | pmf |
| Calcium | | 1100 | 100 | | mg/L | 100 | 6/27/2017 2:31:49 PM | 32417 |
| Magnes | ium | 53 | 5.0 | | mg/L | 5 | 6/22/2017 8:08:12 PM | 32417 |
| Potassiu | ım | 1100 | 100 | | mg/L | 100 | 6/27/2017 2:31:49 PM | 32417 |
| Sodium | | 5600 | 100 | | mg/L | 100 | 6/27/2017 2:31:49 PM | 32417 |
| | | | | | | | | |

1706623-001C S-4 (6/12/17) SAMPLE RESULTS - 01 ONE LAB. NATIONWIDE. Collected date/time: 06/12/17 10:30 Wet Chemistry by Method 4500 CN E-2011 Result mg/l 0.0703 Batch Analyte WG991122 Wet Chemistry by Method 9034-9030B Ss Result mg/l 0.199 Batch Qualifier Analyte Reactive Sulfide Cn 0.0500 06/19/2017 12:38 WG590728 Wet Chemistry by Method 90400 Re Batch Qualifier Qc Analyte Corrosivity by pH date / tim 6.88 Τŝ 06/16/2017 16:34 WG989423 GI Sample Narrative: 9040C L9/5964-01 WG989423: 6.88 at 10.4c Wet Chemistry by Method D93/1010A Sc Result Analysis Batch Qualifier Analyte Flashpoint deg F DNF at 170 06/21/2017 01:42 WG990892

Refer to the OC Summary report and sample login checklist for flagged OC data and preservation information.

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

Qualifiers:

PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits
 Page 1 of 6

 P
 Sample pH Not In Range
 Page 1 of 6

RL Reporting Detection Limit W Sample container temperature is out of limit as specified

ACCOUNT:

Hall Fr

ntal Analysis Laboratory

PROJECT:

DATE/TIME: 06/21/17 10:19

SDG: L915964

| Sr S | oke LAB LAANDONNODE SG SG SG SG SG SG SG SG SG SG SG SG SG | |
|--|--|--|
| stand Crass % K | AAYETING 062207 2019 50 20 | DATETINE BETTY VIS |
| QUALITY CONTROL SUMMARY Serveral Dependence of Policies Dependence of Polici | Modefit: Lesses QUALITY CONTROL SUMMARY Displayed to LCSD; De Duplicate LCSD; L LCBPit. Inter LCSD; L LCBPit. | 800 Angeri |
| 866 JU 20 20 20 20 | ADALITY QUALITY Mareo. Mareo. 00500 00500 00500 00500 00500 00500 00500 00500 00500 00500 00500 00500 00500 00500 00500 0000 0000 0000 0000 0000 0000 0000 0000 | PROJECT |
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| IMARY ONE LAR FAMILY | and the state of t | |

GLOSSARY OF TERMS

ONE LAB. NATIONWIDE

AL

Sc

| TB | Sample(s) received past/too close to holding time expiration. | °α |
|-----------------|---|-----|
| Qualifier | Description | |
| | | SI |
| Rec. | Recovery. | |
| onginal sample | from a quality control sample. The Original Sample may not be included within the reported SDG. | °c |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) | |
| RPD | Relative Percent Difference. | °S |
| U | Not detected at the Reporting Limit (or MDL where applicable). | 5 |
| ND | Not detected at the Reporting Limit (or MDL where applicable). | |
| RDL | Reported Detection Limit. | P Y |
| MDL | Method Detection Limit. | - |
| SDG | Sample Delivery Group. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: Rule Engineering LLC Sunco Disposal Well 1 Project: _____ Sample ID MB-32417 TestCode: EPA Method 200.7: Total Metals SampType: MBLK Client ID: PBW Batch ID: 32417 RunNo: 43729 Prep Date: 6/21/2017 Analysis Date: 6/22/2017 SeaNo: 1377954 Units: ma/L Result Analyte Calcium PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 1.0 1.0 1.0 1.0 1.0 Magnesium Potassium ND ND Sodium ND Sample ID LCSLL-32417 SampType: LCSLL TestCode: EPA Method 200.7: Total Metals Client ID: BatchOC Batch ID: 32417 RunNo: 43729 Analysis Date: 6/22/2017 Prep Date: SeqNo: 1377955 Units: mg/L Analyte Calcium Magnesium Potassium Sodium
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit

 1.0
 0.5000
 0
 99.4
 50

 1.0
 0.5000
 0
 108
 50

 1.0
 0.5000
 0
 131
 50

 1.0
 0.5000
 0
 131
 50

 1.0
 0.5000
 0
 131
 50
 HighLimit 150 Result ND %RPD RPDLimit Qua ND ND ND ND 150 150 150 Sample ID LCS-32417 SampType: LCS FestCode: EPA Method 200.7: Total Metal Client ID: LCSW Batch ID: 32417 RunNo: 43729 Analysis Date: 6/22/2017 SeqNo: 1377956 Units: mg/L Prep Date: 6/21/2017 Analyte Calcium
 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit

 49
 1.0
 50.00
 0
 98.4
 85
 115
 %RPD RPDLimit Qua Magnesium Potassium Sodium 49 52 50 51 1.0 1.0 1.0 50.00 50.00 50.00 103 99.5 102 115 115 115 115 0 85 85 Sample ID 1706623-001BMS SampType: MS TestCode: EPA Method 200.7: Total Metals Batch ID: 32417 Client ID: S-4 (6/12/17) RunNo: 43729 Analysis Date: 6/22/2017 SeqNo: 1377993 Units: mg/L Prep Date: 6/21/2017
 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit

 93
 5.0
 50.00
 53.09
 80.5
 70
 130
 Analyte Magnesium Qual Sample ID 1706623-001BMSD SampType: MSD TestCode: EPA Method 200.7: Total Metals Client ID: S-4 (6/12/17) Batch ID: 32417 RunNo: 43729 Prep Date: 6/21/2017 Analysis Date: 6/22/2017 SeqNo: 1377994 Units: mg/L

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit

 97
 5.0
 50.00
 53.09
 87.8
 70
 130
 RPDLin 3.8

- Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix

 H
 Folding times for preparation or analysis exceeded

 ND
 Nex Detected at the Reporting Limit

PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank Value above quantitation range
- J Analyte detected below quantitation limits P Sample pH Not In Range Sample pH Not In Range

Page 2 of 6

WO#:

1706623

05-Jul-17

- RL Reporting Detection Limit W Sample container temperat ature is out of limit as specified

ACCOUNT: mental Analysis Laboratory

QC SUMMARY REPORT WO#: 1706623 Hall Environmental Analysis Laboratory, Inc. 05-Jul-17

PROJECT:

SDG: L9/5964

DATE/TIME: 06/21/17 10:19

| Client: Project: | Rule Engineerii Sunco Disposal | ~ | | | | | | | | |
|---------------------------------|-----------------------------------|-------------|-----------|------------------------------------|-----------|-----------|---------------|--------|----------|------|
| Sample ID MB | Sa | impType: m | ıblk | Tes | tCode: El | PA Method | 300.0: Anions | 5 | | |
| Client ID: PBW | 1 | Batch ID: R | 43459 | F | RunNo: 4 | 3459 | | | | |
| Prep Date: | Analy | sis Date: 🤅 | 5/13/2017 | 5 | SeqNo: 1: | 369367 | Units: mg/L | | | |
| Analyte | Res | ult PQL | SPK value | SPK Ref Val | %REC | Low/ imit | HighLimit | %RPD | RPDLimit | Qual |
| Fluoride | | ID 0.10 | | of rentor yar | June 20 | LOWLINK | rightennik | Jord D | To Denne | quui |
| Phosphorus, Orthophor | phate (As P N | ID 0.50 | 1 | | | | | | | |
| Sample ID LCS | Sa | impType: Ic | s | Tes | tCode: El | PA Method | 300.0: Anions | 5 | | |
| Client ID: LCSW | | Batch ID: R | 43459 | F | RunNo: 4 | 3459 | | | | |
| Prep Date: | Analy | sis Date: 🤅 | 6/13/2017 | 5 | SeqNo: 1 | 369368 | Units: mg/L | | | |
| Analyte | Res | ult PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Fluoride | 0. | | | 0 | 109 | 90 | 110 | | | |
| Phosphorus, Orthophor | phate (As P 4 | .9 0.50 | 5.000 | 0 | 98.6 | 90 | 110 | | | |
| Sample ID MB | Sa | impType: m | ıblk | Tes | tCode: El | PA Method | 300.0: Anions | 5 | | |
| Client ID: PBW | 1 | Batch ID: R | 43827 | F | RunNo: 4 | 3827 | | | | |
| Prep Date: | Analy | sis Date: 6 | 6/27/2017 | 5 | SeqNo: 1 | 381049 | Units: mg/L | | | |
| Analyte | Res | | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ID 0.50 | | | | | | | | |
| Bromide | | ID 0.10 | | | | | | | | |
| Sulfate | | ID 0.50 | | | | | | | | |
| Nitrate+Nitrite as N | P | ID 0.20 | | | | | | | | |
| Sample ID LCS | Sa | impType: Ic | :s | TestCode: EPA Method 300.0: Anions | | | | 5 | | |
| Client ID: LCSW | · | Batch ID: R | 43827 | F | RunNo: 4 | 3827 | | | | |
| Prep Date: | Analy | sis Date: 6 | 6/27/2017 | 5 | SeqNo: 1 | 381050 | Units: mg/L | | | |
| Analyte | Res | | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 4 | .6 0.50 | | 0 | 92.3 | 90 | 110 | | | |
| Bromide | - | .4 0.10 | | 0 | 95.5 | 90 | 110 | | | |
| Sulfate | - | 0.4 0.50 | | 0 | 94.1 | 90 | 110 | | | |
| Nitrate+Nitrite as N | 3 | 1.3 0.20 | 3.500 | 0 | 94.6 | 90 | 110 | | | |
| Sample ID MB | Sa | mpType: m | ıblk | Tes | tCode: El | PA Method | 300.0: Anions | 5 | | |
| Client ID: PBW | 1 | Batch ID: R | 43827 | F | RunNo: 4 | 3827 | | | | |
| Prep Date: | Analy | sis Date: 6 | | | SeqNo: 1 | | Units: mg/L | | | |
| Analyte | Res | | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ID 0.50 | | | | | | | | |
| Bromide | | ID 0.10 | | | | | | | | |
| | | | | | | | | | | |
| Sulfate Nitrate+Nitrite as N | | ID 0.50 | | | | | | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix
- E Value above quantitation range J Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit
- RL

Sample container temperature is out of limit as specified W

B Analyte detected in the associated Method Blank

Page 3 of 6

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | Rule Engineering LL Sunco Disposal Wel | | | | | | | | | |
|----------------------|---|---------|-----------|-------------|----------|-----------|---------------|------|----------|------|
| Sample ID LCS | SampTy | pe: Ics | 3 | Tes | Code: El | PA Method | 300.0: Anions | 5 | | |
| Client ID: LCSW | Batch | ID: R4 | 3827 | F | tunNo: 4 | 3827 | | | | |
| Prep Date: | Analysis Da | ate: 6/ | 27/2017 | s | eqNo: 1 | 381918 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 4.8 | 0.50 | 5.000 | 0 | 96.7 | 90 | 110 | | | |
| Bromide | 2.5 | 0.10 | 2.500 | 0 | 99.8 | 90 | 110 | | | |
| Sulfate | 9.8 | 0.50 | 10.00 | 0 | 98.1 | 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.5 | 0.20 | 3.500 | 0 | 98.8 | 90 | 110 | | | |

Qualifiers: Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Levet.
 D Sample Diuted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 % Recovery outside of range due to dilution or matrix

- Sample pH Not In Range Reporting Detection Limit RL

E

Value above quantitation range Analyte detected below quantitation limits Sample container temperature is out of limit as specified

B Analyte detected in the associated Method Blank

Page 4 of 6

WO#: 1706623 05-Jul-17

WO#: 1706623 Hall Environmental Analysis Laboratory, Inc. 05-Jul-17

| Client: Project: | Rule Engineering LL0 Sunco Disposal Well | | | | | | |
|------------------------|---|---------------|-------------|---------------------|-------------------|------------|------|
| Sample ID mb | 1 SampTyp | e: mblk | Tes | tCode: SM2320B: A | lkalinity | | |
| Client ID: PB | N Batch I | C: R43705 | F | RunNo: 43705 | | | |
| Prep Date: | Analysis Dat | e: 6/20/2017 | 5 | SeqNo: 1376590 | Units: mg/L CaCO3 | | |
| Analyte | Result | PQL SPK value | SPK Ref Val | %REC LowLimit | HighLimit %RPI | RPDLimit | Qual |
| Total Alkalinity (as C | aCO3) ND : | 20.00 | | | | | |
| Sample ID Ics- | 1 SampTyp | e: Ics | Tes | tCode: SM2320B: A | lkalinity | | |
| Client ID: LCS | W Batch I | D: R43705 | F | RunNo: 43705 | | | |
| Prep Date: | Analysis Dat | e: 6/20/2017 | S | SeqNo: 1376591 | Units: mg/L CaCO3 | | |
| Analyte | Result | PQL SPK value | SPK Ref Val | %REC LowLimit | HighLimit %RPI | RPDLimit | Qual |
| Total Alkalinity (as C | aCO3) 78.00 | 20.00 80.00 | 0 | 97.5 90 | 110 | | |
| Sample ID mb- | 2 SampTyp | e: mblk | Tes | tCode: SM2320B: A | lkalinity | | |
| Client ID: PB | N Batch I | D: R43705 | F | RunNo: 43705 | | | |
| Prep Date: | Analysis Dat | e: 6/20/2017 | S | SeqNo: 1376614 | Units: mg/L CaCO3 | | |
| Analyte | Result | PQL SPK value | SPK Ref Val | %REC LowLimit | HighLimit %RPI | RPDLimit | Qual |
| Total Alkalinity (as C | aCO3) ND : | 20.00 | | | | | |
| Sample ID Ics- | 2 SampTyp | e: Ics | Tes | tCode: SM2320B: A | lkalinity | | |
| Client ID: LCS | W Batch I | D: R43705 | F | RunNo: 43705 | | | |
| Prep Date: | Analysis Dat | e: 6/20/2017 | S | SeqNo: 1376615 | Units: mg/L CaCO3 | | |
| Analyte | Result | PQL SPK value | SPK Ref Val | %REC LowLimit | HighLimit %RPI | 0 RPDLimit | Qual |
| Total Alkalinity (as C | aCO3) 78.28 | 20.00 80.00 | 0 | 97.9 90 | 110 | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706623 05-Jul-17

Wilts-

What

UXI

173D

517

| Client: Project: | | Engineering LLC ODisposal Well 1 | | | | | | | | | |
|-------------------------|-----------------|-------------------------------------|-------|-----------|-------------|----------------------|-----------|----------------|----------|----------|------|
| Sample ID Client ID: | MB-32279 PBW | SampType Batch ID | | | | tCode: S RunNo: 4 | | DD: Total Diss | olved So | lids | |
| Prep Date: | 6/14/2017 | Analysis Date | 6/ | 15/2017 | S | SeqNo: 1 | 371252 | Units: mg/L | | | |
| Analyte | | Result F | QL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolver | d Solids | ND | 20.0 | | | | | | | | |
| Sample ID | LCS-32279 | SampType | : LC | s | Tes | tCode: S | M2540C MC | D: Total Dise | olved So | lids | |
| Client ID: | LCSW | Batch ID | : 322 | 279 | F | RunNo: 4 | 3539 | | | | |
| Prep Date: | 6/14/2017 | Analysis Date | 6/ | 15/2017 | S | SeqNo: 1 | 371253 | Units: mg/L | | | |
| Analyte | | Result F | QL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolver | d Solids | 1030 | 20.0 | 1000 | 0 | 103 | 80 | 120 | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Received By: Anne Thorne

Reviewed By: ENM

Chain of Custody

Log In

Completed By: Ashley Gallegos

2. Is Chain of Custody complete?

3. How was the sample delivered?

6. Sample(s) in proper container(s)?

9. Was preservative added to bottles?

12. Does paperwork match bottle labels?

10.VOA vials have zero headspace?

Client Name: RULE ENGINEERING LL

1. Custody seals intact on sample bottles?

4. Was an attempt made to cool the samples?

7. Sufficient sample volume for indicated test(s)?

11. Were any sample containers received broken?

(Note discrepancies on chain of custody)
 (3, Are matrices correctly identified on Chain of Custody)
 14, Is it clear what analyses were requested?

8, Are samples (except VOA and ONG) properly preserv

5. Were all samples received at a temperature of $\,{>}0^{*}\,C$ to $6.0^{*}C$

- PQL Practical Quantative Limit S % Recovery outside of range due to dilution or matrix
- Sample pH Not In Range

Hall Environmental Analysis Labora

Work Order Number: 1706623

6/13/2017 7:55:00 AM

6/13/2017 8:49:15 AM

06/13/17

RL Reporting Detection Limit W Sample container temperat ure is out of limit as specified

Value above quantitation range

J Analyte detected below quantitation limits

4901 Hawkins NE 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Yes 🗆

Yes 🗹

Courier

Yes 🗹

Yes 🗹

Yes 🗹

Yes 🗹

Yes 🗹

Yes 🕑

Yes 🗌

Yes 🗆

Yes 🗹

Vite felt

Yes ₽

am In

No 🗆

No 🗆

No 🗌

No 🗆

No 🗆

No 🗆

No 🖌

No 🗆

140 🖵 No 📑 No 🗐

NO P Stee

NO-R-SIEC NA []

No 🗌 No VOA Vials 🗹

AZ

Analyte detected in the associated Method Blank

Page 5 of 6

Sample Log-In Check List

Not Present 🗹

Not Present

NA 🗌

NA 🗆

of preserved 2, 2 bottles checked 2, 2

Checked by: Spe

... yes

RoptNo: 1

Qualifiers: Value exceeds Maximum Contaminant Level.

Value exceeds Maximum Cont
 D Sample Diluted Due to Matrix

Mailing Address.

Clien

DA/QC Package:

Standard JALAP (adix) lime

Date

- B Analyte detected in the associated Method Blank
 - Value above quantitation range
- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit J Analyte detected below quantitation limits Page 6 of 6 Sample pH Not In Range PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix RL Reporting Detection Limit W Sample container temperat ature is out of limit as specified (N to Y) reliding the HALL ENVIRONMENTAL ANALYSIS LABORATORY TOY X X 200 Grandinks 109 505-345-4107 Request www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 871 (AOV-ImeS) 0128 SEOB (VOA) 8081 Pesticides / 8082 PCB's Analysis (POS'POd'2ON"CON'IO'H) sugur RCRA 8 Metals data will a (SMIS D/ZE JO DLER) SHAH 505-345-3975 (L.#08 bernad 504.1) (1.814 borben) HIT TPH 8015B (GEO / DRO / MRO) Tel. 101 BTEX + MTBE + TPH (Gas only) BTEX + MIBE + TMB's (8021) Time 1730 Time 2520 HEAL NO. 00 ulation to the state Well # 1 HEATHER WOODS (1) SOOM Plante - Vall hack (1)125 mLPlashL ~ H 2504 □ Rush () 500 mL Pushic - HNO3 Non shoow Usoposia Type Tum-Around Time: roject Manager Must ~ Healther 1 p Standard Project Name: (2) SOOML Pla. Container Type and # Sampler: On Irst-Sample Ti Junco rolect #:

| 15. Were all holding times able to be met? (If no, notify customer for authorization.) |
|---|
| Special Handling (if applicable) |

| 16, Was client notified of all discre | epancies with this order? | | res 🗆 | | No 🗆 | NA | |
|---------------------------------------|---------------------------|------|-------|--|-------------------|-----------|--|
| Person Notified: | | Date | | | | | |
| By Whom: | | Via: | eMail | Phone | E Fax | In Person | |
| Regarding: | | | | and the state of t | a beacheading and | | |
| Client Instructions: | | | | | | | |

Conterminations I metals analysis: hidded 1 mit tiNOx to -0018 by acceptable pH. Heid for 24 hrs prior to analysis: 06/13/17 & 025 Sec. 18. Contermination ConterNo Temp C | Constitut Seat Intact Seat No | Seat Date | Signed By 1 10 Good Yes Signed By 1 10 Good Yes (1/13/17 to -001C (1/13/17 to -001C)

email or Fax#: hwoods@ rul ungineering com S \$ 501 Arrest & 54205 Ann. N.M. 87401 \$51716-2757 D Level 4 (Full Validation) Request ID Chain-of-Custody Record 5-4 (6112/17) Wec Rule Engineering LLC N. Sample [Farmington, NM 8 thoma #: (505) 716-27 Aleath. Other Waltz Matrix

1030

1/2/12

Agua Moss Surface Waste Management Facility Quarterly Monitoring Services – 3rd Quarter 2017

Agua Moss Surface Waste Management Facility (NM1-9-0) Quarterly Monitoring Services – 3rd Quarter 2017 NW ¼, Section 2, Township 29 North, Range 12 West San Juan County, New Mexico

October 10, 2017

Prepared for: Agua Moss LLC P.O. Box 600 Farmington, New Mexico 87499

Prepared by: Rule Engineering, LLC 501 Airport Drive, Suite 205 Farmington, New Mexico 87401 Prepared for:

Agua Moss LLC P.O. Box 600 Farmington, New Mexico 87499

Prepared by:

Rule Engineering, LLC 501 Airport Drive, Suite 205 Farmington, New Mexico 87401

Heather M. Woods

Heather M. Woods, P.G., Area Manager

Reviewed by:

Russell Knight, PG, Principal Hydrogeologist

October 10, 2017



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| 3.0 | Field Activities | . 1 |
| 4.0 | Soil Sampling | . 2 |
| 5.0 | Laboratory Analytical Results | . 2 |
| 6.0 | Conclusions | . 2 |
| 7.0 | Closure and Limitations | . 2 |

Table

Table 1 Laboratory Analytical Results

Figures

Figure 1 Topographic Map Figure 2 Aerial Site Map

Appendices

Appendix A Analytical Laboratory Report

Agua Moss Surface Waste Management Facility Quarterly Monitoring Services – 3rd Quarter 2017

1.0 Introduction

The Agua Moss Surface Waste Management Facility, hereinafter the "Facility", is located in the NW ¼, Section 2, Township 29 North, Range 12 West, in San Juan County, New Mexico. Rule Engineering LLC (Rule) personnel performed monitoring services for the 3rd Quarter of 2017 on September 1, 2017. Quarterly monitoring services are performed in accordance with the *Closure Plan: Permit NM1-9-0* dated June 1, 2015, which was approved by the New Mexico Oil Conservation Division (NMOCD) with amendments on July, 1, 2015.

A topographic map of the location reproduced from the United States Geological Society quadrangle map of the area is included as Figure 1 and an aerial site map is included as Figure 2.

2.0 Site Specific Background Concentrations

Background concentrations for constituents of concern have be determined for the Facility through previous work. Background concentrations for constituents of concern analyzed during 3° Quarter of 2017 sampling include: 0.2 milligrams per kilogram (mg/kg) benzene, 0.01 mg/kg toluene, 0.01 mg/kg ethylbenzene, 0.01 mg/kg p.m-xylene, 0.01 mg/kg total BTEX¹, 0.2 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), 0.1 mg/kg TPH as disest range organics (DRO) and 0.1 Mg/kg TPH as determined by United States Environmental Protection Agency (USEPA) Method 8015B. Per 19.15.36.15 NMAC, laboratory results are compared to the higher of the laboratory practical quantitation limit (PQL) or background soil concentrations to determine whether a release has occurred.

3.0 Field Activities

On September 1, 2017, Rule Engineering, LLC (Rule) personnel conducted soil sampling of the two treatment cells that comprise the Facility. One soil sample location was selected at random from each of the three designated areas (Cell #1, Cell #2 – North, and Cell #2 – South), resulting in the collection of three total samples. The soil samples were collected from the vadose zone utilizing a backhoe. The approximately 1 to 2 feet of treatment zone soils were scraped away from the selected sample locations to avoid accidental contamination of the vadose zone below. Then a pothole was advanced 3 to 4 feet below the treatment zone depth where a sample was collected for laboratory analysis at all three locations. A sample locations are illustrated on the aerial site map included as Figure 2.

¹ Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)



i



4.0 Soil Sampling

Rule collected one soil sample from the vadose zone 3 to 4 feet below the treatment zone at each of the potholes in the designated locations, for a total of three soil samples (Cell #1, Cell #2 - North, and Cell #2 - South).

Soil samples collected for laboratory analysis were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. All samples were analyzed for BTEX per USEPA Method 8021B and TPH per USEPA 8015M/D.

Laboratory analytical results are summarized in Table 1 and the analytical laboratory report is included in Appendix A.

5.0 Laboratory Analytical Results

Laboratory analytical results for samples Cell #1 Vadose, Cell #2 - North Vadose, and Cell #2 – South Vadose, collected on September 1, 2017, reported the BTEX and TPH constituent concentrations below the PQL and no qualifiers were included to indicate the presence of non-quantifiable BTEX and TPH constituent concentrations below the PQL.

No quality assurance/quality check (QA/QC) qualifiers were indicated on the laboratory analytical report and review of the QA/QC data supports the suitability of the results.

Laboratory analytical results are summarized in Table 1 and the analytical laboratory report is included in Appendix A.

6.0 Conclusions

The Agua Moss Surface Waste Management Facility is located in NW ¼, Section 2, Township 29 North, Range 12 West, in San Juan County, New Mexico. Quarterly monitoring services including the collection of three samples from the vadoes zone were collected on September 1, 2017. One vadoes zone sample was collected at 3 to 4 feet below the treatment zone depth from each of the three designated areas (Cell #1, Cell #2 - North, and Cell #2 - South) from randomly selected locations.

Laboratory analytical results for the vadose zone samples indicate that no leaching of treatment zone constituents of concern has been identified at this time at each sample location. Quarterly monitoring is ongoing and will conducted in the 4th Quarter 2017.

7.0 Closure and Limitations

This report has been prepared for the exclusive use of Agua Moss and is subject to the terms, conditions, and limitations stated in Rule's report and Service Agreement with Agua Moss. All work has been performed in accordance with generally accepted



Agua Moss Surface Waste Management Facility Quarterly Monitoring Services – 3rd Quarter 2017

Table

Agua Moss Surface Waste Management Facility Quarterly Monitoring Services – 3rd Quarter 2017

professional environmental consulting practices. No other warranty is expressed or implied.

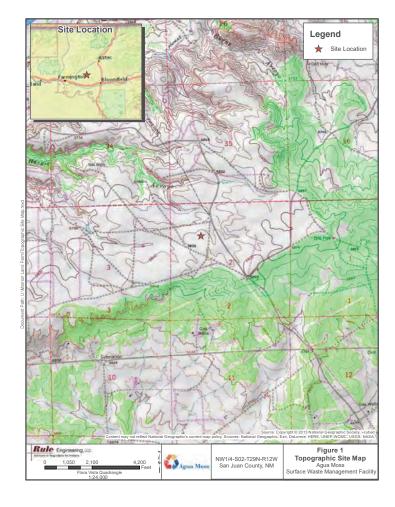
Rule

2

| Table 1. Laboratory Analytical Results Agua Moss Surface Waste Management Facility Quartery Monitoring - 3rd Quarter 2017 San Juan County, New Mexico | Analytical Waste Ma J - 3rd Qu ew Mexico | l Results nagement Fac arter 2017 o | ility | | | | | | | | |
|--|--|---|--|--------------------|------------------------------|----------------------------------|--|--------------------------|--------------------------|--------------------------|-----------------------|
| Sam nle Name | Date | Approximate Sample Depth (ft hos) | Benzene (ma/ka) | Toluene (ma/ka) | Ethylben- zene (ma/ka) | Total Xylenes** (mo/ko) | Total Xylenes** Total BTEX (mo/ko) | TPH as GRO (mo/ko) | TPH as DRO (ma/ka) | TPH as MRO (md/kg) | Total TPH (md/k.d) |
| | Backgroun | Background Concentration* | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.2 | 0.1 | NE | 0.1 |
| Cell #1 Vadose | 9/1/2017 | 5 to 6 | <0.023 | <0.047 | <0.047 | <0.093 | g | <4.7 | <9.5 | <48 | Q |
| Cell #2 - North Vadose | 9/1/2017 | 5 to 6 | <0.024 | <0.048 | <0.048 | <0.096 | Q | <4.8 | <9.5 | <47 | QN |
| Cell #2 - South Vadose | 9/1/2017 | 5 to 6 | <0.023 | <0.047 | <0.047 | <0.094 | QN | <4.7 | <10 | <50 | ΠN |
| N otes: | ft bgs - feet below gramg/kg - milligrams pe BTEX - benzene, toli NE - not established ND - not detected ab | It bgs - feet below grade surface mg/kg - milligrams per kilogram TEX - bearcene, loluene, ethybenzene, and xylenes NE - not established ND - not deleted above laboratory reporting limits | e n Ibenzene, anc atory reporting | xylenes limits | | *Site specific **Includes bot | *Includes both p.m-xylene and o-xylene | and o-xylene | | | |

3





Agua Moss Surface Waste Management Facility Quarterly Monitoring Services – 3rd Quarter 2017

Appendix A

Analytical Laboratory Report

Figures





Rule



September 11, 2017 Heather Woods Rule Engineering LLC 501 Airport Dr., Ste 205 Farmington, NM 87401 TEL: (505) 325-1055 FAX

RE: Agua Moss Landfarm

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/2/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190



andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analysis Laboratory |
|--|
| 4901 Hawkins NE |
| Albuquerque, NM 87109 |
| TEL: 505-345-3975 FAX: 505-345-4107 |
| Website: www.hallenvironmental.com |

OrderNo.: 1709150

| Hall Environmental Analysis Laboratory, Inc. | Analytical Report Lab Order 1709150 Date Reported: 9/11/2017 |
|--|--|
| CLIENT: Rule Engineering LLC | Client Sample ID: Cell #1 Vadose |
| Project: Agua Moss Landfarm | Collection Date: 9/1/2017 9:40:00 AM |

| rioject. Agua Moss Landiann | Concerton Date. 7/12017 7.40.00 AM | | | | | | | | |
|--------------------------------|------------------------------------|----------|-------------------------------------|----|---------------------|--------|--|--|--|
| Lab ID: 1709150-001 | Matrix: | SOIL | Received Date: 9/2/2017 12:50:00 PM | | | | | | |
| Analyses | Result | PQL Qu | al Units | DF | Date Analyzed | Batch | | | |
| EPA METHOD 8015M/D: DIESEL RAN | GE ORGANIC | s | | | Analys | t: TOM | | | |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 9/7/2017 3:05:43 PM | 33721 | | | |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 9/7/2017 3:05:43 PM | 33721 | | | |
| Surr: DNOP | 76.4 | 70-130 | %Rec | 1 | 9/7/2017 3:05:43 PM | 33721 | | | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analys | t: RAA | | | |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 9/7/2017 3:24:08 PM | 33725 | | | |
| Surr: BFB | 89.7 | 54-150 | %Rec | 1 | 9/7/2017 3:24:08 PM | 33725 | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: RAA | | | |
| Benzene | ND | 0.023 | mg/Kg | 1 | 9/7/2017 3:24:08 PM | 33725 | | | |
| Toluene | ND | 0.047 | mg/Kg | 1 | 9/7/2017 3:24:08 PM | 33725 | | | |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 9/7/2017 3:24:08 PM | 33725 | | | |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 9/7/2017 3:24:08 PM | 33725 | | | |
| Surr: 4-Bromofluorobenzene | 97.6 | 66.6-132 | %Rec | 1 | 9/7/2017 3:24:08 PM | 33725 | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Dhuted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL. Practical Quantitative Limit
 \$ % Recovery outside of range due to dilution or matrix
 }
- B Analyte detected in the associated Method Blank E Value above quantitation range
- J Analyte detected below quantitation limits
 Page 1 of 6
 Sample pH Not In Range
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified

Analytical Report

| Hall Environmental Analys | is Labora | tory, Inc. | | | Analytical Report Lab Order 1709150 Date Reported: 9/11/20 | 17 |
|--------------------------------|------------|------------|--------------|-----------|--|--------|
| CLIENT: Rule Engineering LLC | | | Client Sampl | e ID: Ce | ll #2 North Vadose | |
| Project: Agua Moss Landfarm | | | Collection 1 | Date: 9/1 | /2017 9:15:00 AM | |
| Lab ID: 1709150-002 | Matrix: | SOIL | Received I | Date: 9/2 | 2/2017 12:50:00 PM | |
| Analyses | Result | PQL Qu | al Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015M/D: DIESEL RAN | GE ORGANIC | S | | | Analys | t: TOM |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 9/7/2017 3:27:55 PM | 33721 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 9/7/2017 3:27:55 PM | 33721 |
| Surr: DNOP | 84.5 | 70-130 | %Rec | 1 | 9/7/2017 3:27:55 PM | 33721 |
| EPA METHOD 8015D: GASOLINE RAM | IGE | | | | Analys | t: RAA |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 9/7/2017 4:35:12 PM | 33725 |
| Surr: BFB | 89.7 | 54-150 | %Rec | 1 | 9/7/2017 4:35:12 PM | 33725 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: RAA |
| Benzene | ND | 0.024 | mg/Kg | 1 | 9/7/2017 4:35:12 PM | 33725 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 9/7/2017 4:35:12 PM | 33725 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 9/7/2017 4:35:12 PM | 33725 |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 9/7/2017 4:35:12 PM | 33725 |
| Surr: 4-Bromofluorobenzene | 97.4 | 66.6-132 | %Rec | 1 | 9/7/2017 4:35:12 PM | 33725 |

| Hall Environmental Analy CLIENT: Rule Engineering LLC | sis Labora | tory, Inc. | - | | Lab Order 1709150 Date Reported: 9/11/20 | 17 |
|--|-------------|------------|----------|----|---|--------|
| Project: Agua Moss Landfarm Lab ID: 1709150-003 | Matrix: | SOIL | | | 1/2017 9:30:00 AM 2/2017 12:50:00 PM | |
| Analyses | Result | PQL Qu | al Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANIC | s | | | Analys | t: TOM |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 9/7/2017 3:50:11 PM | 33721 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 9/7/2017 3:50:11 PM | 33721 |
| Surr: DNOP | 83.6 | 70-130 | %Rec | 1 | 9/7/2017 3:50:11 PM | 33721 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analys | t: RAA |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 9/7/2017 5:45:59 PM | 33725 |
| Surr: BFB | 89.0 | 54-150 | %Rec | 1 | 9/7/2017 5:45:59 PM | 33725 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: RAA |
| Benzene | ND | 0.023 | mg/Kg | 1 | 9/7/2017 5:45:59 PM | 33725 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 9/7/2017 5:45:59 PM | 33725 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 9/7/2017 5:45:59 PM | 33725 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 9/7/2017 5:45:59 PM | 33725 |
| Surr: 4-Bromofluorobenzene | 98.0 | 66.6-132 | %Rec | 1 | 9/7/2017 5:45:59 PM | 33725 |

Refer to the OC Summary report and sample login checklist for flagged OC data and preservation information.

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND. Not Detected at the Reporting Limit
 RQL Practical Quanitative Limit
 % Recovery outside of mage due to dilution or matrix

Qualifiers:

- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits

 P
 Sample pH Not In Range
- RL Reporting Detection Limit W Sample container temperature is out of limit as specified

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information. Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 DOL Prostited Constitution Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits
 Page 3 of 6

 P
 Sample pH Not In Range
 Page 3 of 6
- RL Reporting Detection Limit W Sample container temperature is out of limit as specified

WO#: 1709150 Hall Environmental Analysis Laboratory, Inc. 11-Sep-17

| | igineering L loss Landfar | | | | | | | | | |
|--------------------------------|------------------------------|---------|-----------|-------------|----------|-----------|-------------|-----------|------------|------|
| Sample ID LCS-33721 | SampT | ype: LO | s | Tes | tCode: E | PA Method | 8015M/D: Di | esel Rang | e Organics | |
| Client ID: LCSS | Batch | ID: 33 | 721 | F | RunNo: 4 | 5469 | | | | |
| Prep Date: 9/6/2017 | Analysis D | ate: 9 | /7/2017 | 5 | SeqNo: 1 | 440795 | Units: mg/H | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 44 | 10 | 50.00 | 0 | 88.0 | 73.2 | 114 | | | |
| Surr: DNOP | 4.8 | | 5.000 | | 96.9 | 70 | 130 | | | |
| Sample ID MB-33721 | SampT | ype: M | BLK | Tes | tCode: E | PA Method | 8015M/D: Di | esel Rang | e Organics | |
| Client ID: PBS | Batch | ID: 33 | 721 | F | RunNo: 4 | 5469 | | | | |
| Prep Date: 9/6/2017 | Analysis D | ate: 9 | /7/2017 | 5 | SeqNo: 1 | 440796 | Units: mg/H | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |

Iotor Oil Range Organics (MRO) ND Surr: DNOP 11 10.00 108 70 130

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

11-Sep-17

| Client: Project: | | ineering Ll ss Landfar | | | | | | | | | |
|----------------------------|-------------------|---------------------------|---------|---------------|-------------|-------------|------------|-------------|-----------|----------|------|
| Sample ID | LCS-33725 | SampT | ype: LC | s | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: | LCSS | Batch | ID: 33 | 725 | F | RunNo: 4 | 5483 | | | | |
| Prep Date: | 9/6/2017 | Analysis D | ate: 9 | 7/2017 | S | SeqNo: 1 | 442487 | Units: mg/M | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Rang Surr: BFB | e Organics (GRO) | 26 1000 | 5.0 | 25.00 1000 | 0 | 104 99.6 | 76.4 54 | 125 150 | | | |
| Sample ID | MB-33725 | SampT | ype: MI | BLK | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: | PBS | Batch | ID: 33 | 725 | F | RunNo: 4 | 5483 | | | | |
| Prep Date: | 9/6/2017 | Analysis D | ate: 9 | 7/2017 | s | SeqNo: 1 | 442488 | Units: mg/M | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Rang | e Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | | 900 | | 1000 | | 89.9 | 54 | 150 | | | |
| Sample ID | 1709150-002AMS | SampT | ype: M | S | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: | Cell #2 North Vad | os Batch | ID: 33 | 725 | F | RunNo: 4 | 5483 | | | | |
| Prep Date: | 9/6/2017 | Analysis D | ate: 9 | 7/2017 | S | SeqNo: 1 | 442500 | Units: mg/M | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | e Organics (GRO) | 29 | 4.8 | 24.06 | 0 | 122 | 77.8 | 128 | | | |
| Surr: BFB | | 980 | | 962.5 | | 101 | 54 | 150 | | | |
| Sample ID | 1709150-002AMS | D SampT | ype: M | SD | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: | Cell #2 North Vad | os Batch | ID: 33 | 725 | F | RunNo: 4 | 5483 | | | | |
| Prep Date: | 9/6/2017 | Analysis D | ate: 9 | 7/2017 | s | SeqNo: 1 | 442501 | Units: mg/M | ίg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | e Organics (GRO) | 28 | 5.0 | 24.90 | 0 | 112 | 77.8 | 128 | 4.93 | 20 | |
| Surr: BFB | | 1000 | | 996.0 | | 101 | 54 | 150 | 0 | 0 | |

Qualifiers:

Client:

Project:

Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene

Analyte Benzene

Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzen

Analyte Benzene Toluene Ethylbenzene

Analyte Benzene Toluene Ethylbenzene

Toluene

Client ID: LCSS

Prep Date: 9/6/2017

Sample ID MB-33725

Prep Date: 9/6/2017

Xylenes, Total Surr: 4-Bromofluorobenzene

Prep Date: 9/6/2017

Xylenes, Total Surr: 4-Bromofluorobenzene

Client ID: Cell #1 Vadose

Client ID: PBS

Client ID: Cell #1 Vadose

- Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

0.98 0.048 0.9588 3.0 0.096 2.876

0.95

Sample ID 1709150-001AMS SampType: MS TestCode: EPA Method 8021B: Volatiles

0.9588

Rule Engineering LLC

Agua Moss Landfarm Sample ID 1709150-001AMSD SampType: MSD

Prep Date: 9/6/2017 Analysis Date: 9/7/2017

Sample ID LCS-33725 SampType: LCS

- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Detection Limit W Sample container temperature is out of limit
- ure is out of limit as specified

B Analyte detected in the associated Method Blank

98.8 66.6 140

142

132

Page 4 of 6

- Qualifiers:
- Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix

 H
 Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- Value above quantitation range J Analyte detected below quantitation limits

Page 5 of 6

- Sample pH Not In Range
- RL Reporting Detection Limit W Sample container temperat
 - ature is out of limit as specified

| Y REPORT ttal Analysis Laboratory, Inc. | WO#: 170 11-Se | ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-397 | l Analysis Laboratory 4901 Hawkins NE buquerque, NM 87109 5 FAX: 505-345-4107 allenvironmental.com | | ple Log-In Check List |
|---|--|---|--|----------------------|---|
| ingineering LLC Moss Landfarm | | Client Name: RULE ENGINEERING LL Work Order Numbe | | | RoptNo: 1 |
| MSD SampType: MSD TestCode: EPA Method 8021B: Volatiles Batch ID: 33725 RunNo: 45483 Analysis Date: 9/7/2017 SeqNo: 1442492 Units: mg/Kg | | Received By: Andy Freeman 9/2/2017 12:50:00 PA Completes By: Ashley Gallegos 9/5/2017 4:47:33 PM Reviewed By: エパ む | 1 d | AG | |
| Result POL SPK value SPK Kef Val %KEC LowLinit HighLinit %KED F 0.80 0.024 0.9699 0 91.3 80.9 132 3.17 0.54 0.048 0.9699 0 95.5 79.8 130 2.26 0.97 0.048 0.9699 0 99.8 79.4 140 1.19 2.9 0.97 2.910 0 99.7 76.5 142 2.54 0.97 0.3699 100 66.6 132 0 | RPDLimit Qual 20 20 20 20 20 0 | Chain of Custody 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered? | Yes □ Yes ☑ <u>Courier</u> | No 🗌 No 🗌 | Not Present 🗹 Not Present 🗌 |
| SampType: LCS TestCode: EPA Method 8021B: Volatiles Batch ID: 33725 RunNo: 45483 Analysis Date: 9/7/2017 SeqNo: 1442497 Units: mg/Kg | | Log In 4. Was an attempt made to cool the samples? | Yes 🗹 | No 🗆 | NA 🗆 |
| 0.90 0.025 1.000 0 89.8 80 120 0.93 0.050 1.000 0 92.9 80 120 0.94 0.050 1.000 0 94.2 80 120 | RPDLimit Qual | Were all samples received at a temperature of >0° C to 6.0°C Sample(s) in proper container(s)? | Yes 🗹 | No 🗆 No 🗆 | NA 🗆 |
| 2.9 0.10 3.000 0 95.4 80 120 0.99 1.000 99.3 66.6 132 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Batch ID: 33725 RunNo: 45483 | | Sufficient sample volume for indicated test(s)? Are samples (except VOA and ONG) properly preserved? Was preservative added to bottles? | Yes ☑ Yes ☑ Yes □ | No 🗆 No 🗔 No 🗹 | na 🗋 |
| Analysis Date: 9/7/2017 SeqNo: 1442498 Units: mg/Kg | RPDLimit Qual | 10.VOA viais have zero headspace? 11. Were any sample containers received broken? | Yes 🗆 Yes 🗆 | No 🗌 No 🗹 | No VOA Vials 🗹 |
| ND 0.050 ND 0.050 ND 0.10 0.97 1.000 96.6 66.6 132 | | 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 13, Are matrices correctly identified on Chain of Custody? | Yes ☑ Yes ☑ Yes ☑ | No □ No □ No □ | bottles checked for pH: (<2 or >12 unless noted) Adjusted? |
| MS SampType: MS TestCode: EPA Method 8021B: Volatiles a Batch ID: 33725 RunNo: 45483 Analysis Date: 9/7/2017 SeqNo: 1442499 Units: mg/Kg | | 14, is it clear what analyses were requested? 15. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ⊻ Yes ⊻ | | Checked by: |
| Result PQL SPK value SPK ef/Val %REC LowLimit HighLimit %RPD F 0.91 0.024 0.9588 0 95.3 80.9 132 0.96 0.048 0.9588 0 100 79.8 136 0.96 0.048 0.9588 0 100 79.8 140 | RPDLimit Qual | Special Handling (if applicable) 16, Was client notified of all discrepancies with this order? Parson Notified: | Yes 🗌 | No 🗆 | NA 🗹 |

| 16. | Vas client notified of all | discrepancies with this order? | | Yes L | | No 🗆 | NA b | ₹ |
|-----|----------------------------|--------------------------------|------|---------|-------|------|-----------|---|
| | Person Notified: | Г | Date | | | | | |
| | By Whom: | [| Via: | eMail | Phone | Fax | In Person | |
| | Regarding: | [| | | | | | |
| | Client Instructions: | | | | | | | • |

 Cooler No
 Temp *C
 Condition
 Seal Intact
 Seal No
 Seal Date
 Signed By

 1
 4.6
 Good
 Yes
 Intact
 Seal No
 Seal Date
 Signed By

17. Additional remarks: 18. Cooler Information

Page 1 of 1

- Qualifiers: Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantiative Limit
 S % Recovery outside of range due to dilution or matrix
- For A market detected in the associated wethout is
 Value above quantitation range
 Value above quantitation range
 Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

0 102 79.4 78.5

0 103

- Page 6 of 6

B Analyte detected in the associated Method Blank

| Client: | | | | | | | | | I | | | Y | | HALL FNUTRONMFNTAL | 11 |
|--|-----------------|--|--|-------------------------------------|----------------------|--|--|-------------------|------------------------------------|------------------------|--------------|-------------|---|---------------------|---------------|
| TH | LEN | giner | Clien: Rull Engineering LLC | Project Name: | 🛛 Rush | | | UI | AN | NALYSIS LABC | SIS | 1 Street | NBO | ANALYSIS LABORATORY | NY. |
| Mailing Adc | iress: Si | OI AIN | Mailing Address: SOI Airport Drive, Sk 205 | Agua Mass Landhim | in Land | Arm. | 46 | 01 Hav | vkins N | E - A | anbnq | erque. | 4901 Hawkins NE - Albuquerque, NM 87109 | 109 | |
| Farmingdon, NM 874 | ing dor | AIN. | | Proječat #: | | | | Tel. 505-345-3975 | 345-36 | | Fax 505-345- | S05-3 | Fax 505-345-4107 alysis Request | | |
| email or Fax# | x# hux (aga: | ends @ | Bintering com | Project Manager: | ter. | | (1208) (100 set | | | (SM | (*os**o | s.80e | - | | |
| Accreditation | | D Other | | Sampler Jus | Shin Valldur | Sampler Jushin Valdic / Hendry Unods | | 20108 | | 15 0228 | 3''NON'' | Z809/ | (No | | |
| D EDD (Type) | (be) | | | 50 | | 9.6 °C | - | | | _ | | - | | - | 5 K) |
| Date | Time | Matrix | Sample Request ID | Containe ⁺ Type and # | Preservative Type | HEAL No. | 876X + 448 110 + X378 | BS108 HGT | EDB (Wethorder) | 168) e'HA9 M 8 ARDR | D, H) enoinA | DIISOH LSOS | (0A) 80928 | _ | zalddin£l niA |
| 240 tilin | - | 10 | Soil Celet + 1 Vados e | () Hore Gau | I | 100- | × | × | | | | | 1 | | |
| 91/17 915 | - | lies | Soi) P. M. # 2 North Vadas (1) 488 Glass | U) yos Glaus | I | 1003- | × | X | | | | | _ | | _ |
| 9/1/4 930 | - | Soil | (1) # 2 South (bolosk()) 4ac but | (I) Has G kun | 1 | 890- | × | × | | | _ | | _ | | - |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| * | | | | | | | | | | | | | | + | |
| Date Time VI/I ITIV Date Time 5//) 1821 | 0 | Reinquistrec by: Reinquistrec by: Chruch | illerd- | Received by | class. | Cate Time Affict 1710 Cate Time Aft 2/17 1250 | Remarks Druch Bull to Agua Moss Rates ar Andy | Part and | Direct Bill to A Rates or Andug | Andy | Ague | Mo | 10 | | |

Ms. Shacie Murray

Sunco Disposal #1: Injection Water Monitoring - 3rd Qtr 2017 November 2, 2017 Page 2 of 2

Benzene concentration for sample S-5 was reported as 1.1 mg/L, which exceeds the Toxicity Characteristic Concentration of 0.5 mg/L. The benzene concentration decreased to 0.36 mg/L in sample S-5(R).

QA/QC Considerations

Field measurements for time sensitive parameters including pH, temperature, reduction potential, and specific conductance more accurately reflect the characteristics of the injection water than laboratory results for these parameters due to their rapidly changing nature when removed from the stable environment of the process line. The hold time qualifier is indicated on the laboratory report for pH as the hold time of 15 minutes from collection was exceeded during transport prior to analysis. Similarly, the hold time was exceeded for reduction potential, phosphorus, and corrosivity by pH.

A dilution due to matrix qualifier is indicated on the laboratory report for total dissolved solids.

The recovery of a surrogate spike for chlordane was below the anticipated percentage range due to dilution or matrix interference.

Closure and Limitations

This report is prepared for the exclusive use of Agua Moss LLC and is subject to the terms, conditions, and limitations stated in Rule's report and Service Agreement with Agua Moss LLC. All work has been performed in accordance with generally accepted professional environmental consulting practices. No other warranty is expressed or implied.

Rule Engineering appreciates the opportunity to provide services to Agua Moss LLC. If you have any questions, please contact me at (505) 325-1055.

Sincerely, Rule Engineering, LLC

Heather M. Woods Heather M. Woods, P.G.

Area Manager/Geologist

Attachments:

Table 1. Summary of Field Screening and Laboratory Analytical Results Laboratory Analytical Reports (Hall: 1709101 and 1710519)



November 2 2017

Ms. Shacie Murray Agua Moss LLC P O Box 600 Farmington, New Mexico 87499

Sunco Disposal #1 Injection Water Quarterly Monitoring 3rd Quarter 2017

Dear Ms. Murray:

This report summarizes the sample collection, field screening, and laboratory analysis of the injection water at the Agua Moss LLC Sunco Disposal #1 well for the 3rd Quarter 2017. Injection water of the Class I Sunco Disposal #1 well is assessed on a quarterly basis in accordance with 20.6.5207(B) NMAC.

Field Activities

Rule Engineering, LLC (Rule) personnel collected one injection water sample (S-5) from the process line inside the pump building at the location on September 1, 2017. Injection water was discharged from the valve of the process line into a clean, 5-gallon bucket for field screening and transfer to laboratory sample containers.

Upon receipt of the laboratory results, it was discovered that the sample S-5 had not been analyzed for chlordane concentration and that benzene was reported in excess of the Toxicity Characteristic Concentrations per Table 1, 40 CFR 261.24(b). Therefore, an additional sample (S-5(R)) was collected for laboratory analysis on October 9, 2017

Sample Collection and Field Screening Procedures

The injection water sample (S-5) was field screened for time sensitive parameters including pH, temperature, reduction potential (Eh), specific conductance, and total dissolved solids (TDS). Field screening was conducted utilizing a handheld water quality meter calibrated on the day of use with laboratory grade standards.

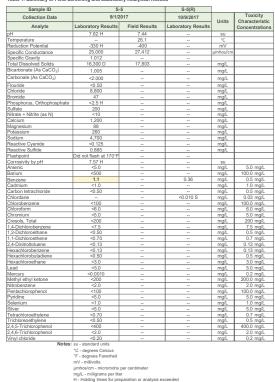
The sampled injection water was placed into laboratory supplied containers, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Field Screening and Laboratory Analytical Results The field screening and laboratory analytical results are summarized in the attached Table 1.

1055 Kipling Street, Lakewood, CO 80215 / 501 Airport Drive #205, Farmington, NM 87401 (303) 431-8500 : Fax: (303) 431-3750 : www.ruleengineering.com : (505) 325-1055

Agua Moss Surnco Disposal #1

Table 1. Summary of Field Screening and Laboratory Analytical Results



D - Sample diluted due to matrix
 S - % Recovery outside of range due to dilution or matix

ity Char

1.00

isuie

November 2, 2017



October 03, 2017 Heather Woods Rule Engineering LLC 501 Airport Dr., Ste 205 Farmington, NM 87401 TEL: (505) 325-1055 FAX

RE: Sunco Disposal 1

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/2/2017 for the analyses presented in the following report.

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

OrderNo.: 1709101

Analytical Report

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190



andy Andy Freeman Laboratory Manager

4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analy | sis Laborat | ory, Inc. | | | Analytical Report Lab Order 1709101 Date Reported: 10/3/201 | 7 |
|--|-------------|--------------|--------------|----------|---|----------------|
| CLIENT: Rule Engineering LLC Project: Sunco Disposal 1 Lab ID: 1709101-001 | Matrix: A | (AQUEOUS | | ate: 9/1 | (9/1/17) 2017 9:20:00 AM 2017 12:50:00 PM | |
| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
| SM4500-H+B: PH | | | | | Analyst: | JRR |
| pH | 7.62 | н | pH units | 1 | 9/7/2017 6:09:28 PM | R45511 |
| EPA METHOD 7470: MERCURY | | | | | Analyst: | DBK |
| Mercury | ND | 0.0010 | mg/L | 5 | 9/15/2017 6:48:58 PM | 33892 |
| EPA 6010B: TOTAL RECOVERABLE | | 0.0010 | ingre | 0 | | |
| | | | | | Analyst: | |
| Arsenic | ND | 5.0 | mg/L | 1 | 9/28/2017 1:33:09 PM | 34004 |
| Barium Cadmium | ND ND | 500 | mg/L | 5 | 9/28/2017 1:12:42 PM | 34004 34004 |
| Cadmium | ND 1200 | 1.0 | mg/L | 1 20 | 9/28/2017 1:33:09 PM 9/24/2017 12:35:22 PM | |
| Chromium | 1200 ND | 20 | mg/L | 20 | 9/24/2017 12:35:22 PM 9/28/2017 1:33:09 PM | 34004 |
| Lead | ND | 5.0 | mg/L mg/L | 1 | 9/28/2017 1:33:09 PM | 34004 |
| Magnesium | 88 | 5.0 | mg/L | 5 | 9/24/2017 12:38:18 PM | |
| Potassium | 260 | 5.0 | mg/L | 5 | 9/24/2017 12:38:18 PM | |
| Selenium | ND | 1.0 | mg/L | 1 | 9/28/2017 1:33:09 PM | 34004 |
| Silver | ND | 5.0 | mg/L | 1 | 9/28/2017 1:33:09 PM | 34004 |
| Sodium | 4700 | 100 | mg/L | | 9/22/2017 10:32:07 AM | |
| TCLP VOLATILES BY 8260B | | | | | Analyst: | |
| Benzepe | 1.1 | 0.50 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | mg/L | | 9/7/2017 4:47:00 PM | T45499 |
| 2-Butanone | ND | 200 | mg/L | | 9/7/2017 4·47·00 PM | T45499 |
| Carbon Tetrachloride | ND | 0.50 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Chloroform | ND | 6.0 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| 1,4-Dichlorobenzene | ND | 7.5 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| 1,1-Dichloroethene | ND | 0.70 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Hexachlorobutadiene | ND | 0.50 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Tetrachloroethene (PCE) | ND | 0.70 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Trichloroethene (TCE) | ND | 0.50 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Vinyl chloride | ND | 0.20 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Chlorobenzene | ND | 100 | mg/L | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Surr: 1,2-Dichloroethane-d4 | 101 | 70-130 | %Rec | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Surr: 4-Bromofluorobenzene | 95.2 | 70-130 | %Rec | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Surr: Dibromofluoromethane | 102 | 70-130 | %Rec | 200 | 9/7/2017 4:47:00 PM | T45499 |
| Surr: Toluene-d8 | 93.5 | 70-130 | %Rec | 200 | 9/7/2017 4:47:00 PM | T45499 |

Refer to the OC Summary report and sample login checklist for flagged OC data and preservation information.

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 POL Proceeding Ounciletion: Init

Qualifiers:

- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1709101 Date Reported: 10/3/2017

| CLIENT: Rule Engineering LLC Project: Sunco Disposal 1 Lab ID: 1709101-001 | Matrix: | AQUEOUS | | ate: 9/1 | 5 (9/1/17) /2017 9:20:00 AM /2017 12:50:00 PM | |
|--|----------|------------|--------------|----------|---|-------|
| Analyses | Result | PQL Q | ual Units | DF | Date Analyzed | Batch |
| EPA METHOD 8270C TCLP | | | | | Analyst | DAM |
| 2-Methylphenol | ND | 200 | mg/L | 1 | 9/19/2017 11:13:41 AM | 33765 |
| 3+4-Methylphenol | ND | 200 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| Phenol | ND | 200 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| 2,4-Dinitrotoluene | ND | 0.13 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| Hexachlorobenzene | ND | 0.13 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| Hexachlorobutadiene | ND | 0.50 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| Hexachloroethane Nitrobenzene | ND ND | 3.0 2.0 | mg/L ma/L | 1 | 9/19/2017 11:13:41 AM 9/19/2017 11:13:41 AM | |
| Pentachlorophenol | ND | 2.0 | mg/L | 1 | 9/19/2017 11:13:41 AM 9/19/2017 11:13:41 AM | |
| Pyridine | ND | 5.0 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| 2.4.5-Trichlorophenol | ND | 400 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| 2.4.6-Trichlorophenol | ND | 2.0 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| Cresols. Total | ND | 200 | mg/L | 1 | 9/19/2017 11:13:41 AM | |
| Surr: 2-Fluorophenol | 42.1 | 15-124 | %Rec | 1 | 9/19/2017 11:13:41 AM | |
| Surr: Phenol-d5 | 33.8 | 15-118 | %Rec | 1 | 9/19/2017 11:13:41 AM | 33765 |
| Surr: 2,4,6-Tribromophenol | 79.6 | 15-148 | %Rec | 1 | 9/19/2017 11:13:41 AM | 33765 |
| Surr: Nitrobenzene-d5 | 72.2 | 40.6-124 | %Rec | 1 | 9/19/2017 11:13:41 AM | 33765 |
| Surr: 2-Fluorobiphenyl | 69.0 | 35.7-128 | %Rec | 1 | 9/19/2017 11:13:41 AM | 33765 |
| Surr: 4-Terphenyl-d14 | 64.3 | 18.8-115 | %Rec | 1 | 9/19/2017 11:13:41 AM | 33765 |
| SPECIFIC GRAVITY | | | | | Analyst | JRR |
| Specific Gravity | 1.012 | 0 | | 1 | 9/7/2017 1:10:00 PM | R4548 |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CJS |
| Fluoride | ND | 0.50 | mg/L | 5 | 9/7/2017 5:14:31 PM | R4550 |
| Chloride | 8800 | 250 | mg/L | 500 | 9/21/2017 10:11:53 PM | A4582 |
| Bromide | 47 | 0.50 | mg/L | 5 | 9/7/2017 5:14:31 PM | R4550 |
| Phosphorus, Orthophosphate (As P) | ND | | H mg/L | 5 | 9/7/2017 5:14:31 PM | R4550 |
| Sulfate | 200 | 10 | mg/L | 20 | 9/7/2017 5:26:56 PM | R4550 |
| Nitrate+Nitrite as N | ND | 10 | mg/L | 50 | 9/22/2017 9:03:19 PM | R4582 |
| SM2510B: SPECIFIC CONDUCTANCE | | | | | Analyst: | |
| Conductivity | 25000 | 25 | µmhos/cm | 5 | 9/13/2017 3:10:46 PM | R4564 |
| SM2320B: ALKALINITY | | | | | Analyst: | JRR |
| Bicarbonate (As CaCO3) | 1005 | 20.00 | mg/L CaCO3 | 1 | 9/7/2017 6:09:28 PM | R4551 |
| Carbonate (As CaCO3) | ND | 2.000 | mg/L CaCO3 | 1 | 9/7/2017 6:09:28 PM | R4551 |
| Total Alkalinity (as CaCO3) | 1005 | 20.00 | mg/L CaCO3 | 1 | 9/7/2017 6:09:28 PM | R4551 |
| SM2540C MOD: TOTAL DISSOLVED SO | DLIDS | | | | Analyst | KS |
| Total Dissolved Solids | 16300 | 200 | *D mg/L | 1 | 9/8/2017 3:03:00 PM | 33751 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Value exceeds Maximum Contaminant Level.
D Sample Dhuted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL. Practical Quantitative Limit
\$ % Recovery outside of range due to dilution or matrix
}

Qualifiers:

B Analyte detected in the associated Method Blank E Value above quantitation range J Analyte detected below quantitation limits Page 1 of 13
 P Sample pH Not In Range
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified

| | Method 2580 | | | | | | |
|---|---------------------------------------|------------------|----------------------|-------------------------|--|--------------------|--------|
| Anakte | Result | Qualifier | Dilution | Analysis date / time | Batch | | |
| ORP | -330 | <u>16</u> | 1 | 09/13/2017 17:07 | wG1020084 | | Τc |
| Wet Chemistry by | Method 4500 | CN E-2011 | | | | | Ss |
| | Result | Qualifier | ROL | Dilution | Analysis | Batch | 0.0 |
| Analyte | mgt | | ngt | | date / time | | Cr |
| Reactive Cyanide | ND | | 0.125 | 25 | 09/15/2017 15:58 | WG1320568 | _ |
| Wet Chemistry by | Method 9034- | 9030B | | | | | Sr |
| | | | | | | | |
| | Result | Qualifier | RDL | Dilution | Analysis | Batch | 1 |
| Analyte | Result mg1 | | rg1 | | date / time | _ | a |
| Analyte | Result | | | Dilution | | Batch WG1018341 | - |
| Analyte Reactive Sullide | Result mg1 0.885 | Qualifier | rg1 | | date / time | _ | GI |
| Analyte Reactive sunce Wet Chemistry by | Result mg1 0.885 | Qualifier | rg1 | 1 Analysis | date / time | _ | GI |
| Analyte Reactive Suffice Well Chemistry by Analyte Consistivy by pH | Rewit mg1 0.885 Method 90400 | <u>Qualifier</u> | ng1 0.0500 | 1 | date / time OSIC8/2017 19:11 Batch | _ | - |

Wet Chemistry by Method D93/1010A

ACCOUNT:

Hall Envir

intsi Anslysis Laboratory

| | Result | Qualifier | Dilution | Analysis | Batch |
|-------------|------------|-----------|----------|------------------|-----------|
| Analyte | deg F | | | date / time | |
| Flestipoint | ONF at 170 | | 1 | 09/11/2017 22:00 | W07018496 |

- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits
 Page 2 of 13

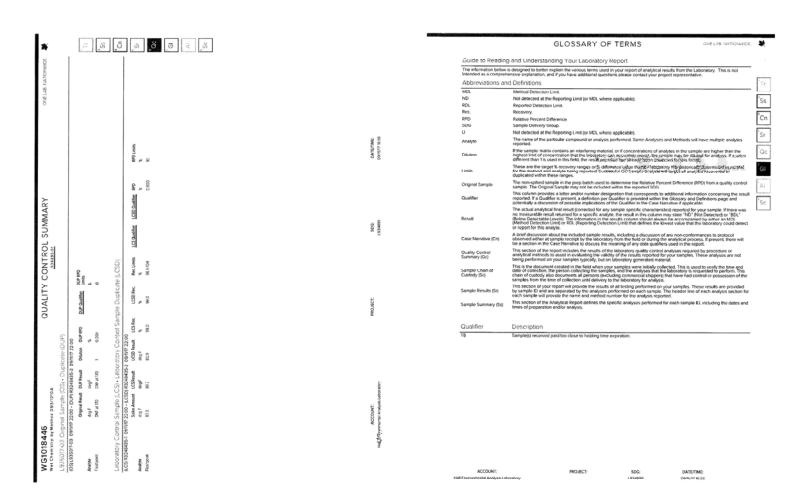
 P
 Sample pH Not In Range
- RL Reporting Detection Limit W Sample container temperature is out of limit as specified

PROJECT:

SDG:

DATE/TIME: 09/15/17 16:56

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|---|--|--|
| Sea and the sea of the | CANTIME Constraine Beautimes 20 | SMITTING Contraction |
| DUALITY CONTROL SUMMARY | Moteri see Lasen DUALITY CENTROL SUMMARY DUALITY CENTROL SUMMARY Interest I | 800K |
| 100 | Manaken DUALITY CC AUALITY CC and and Manaka Manaka Manak Ma | MOLECT |
| WG1020034 DUALITY CON1 L950354-01 Onginal Sample (OS + Duplicate (DUP) 111 C01038554-01 Onginal Sample (OS + Duplicate (DUP) 111 C01038554-01 Onginal Sample (OS + Duplicate (DUP) 111 C01038554-01 Onginal Sample (OS + Duplicate (DUP) 111 C0103854-01 Onginal Sample (OS + Duplicate (DUP) 111 C010001 000 11 000 11 000 Laboratory Control Sample (ES + Duplicate (DUP) 11 000 11 00 | ACCONTINUE | ACCONT: |
| Orie Luk har rowood ↓ S S S S S S S S S S S S S | ore that manformatic SS SS SS SS SS SS SS SS SS SS SS SS SS | in the second seco |
| series and series of the serie | dissormers and the second seco | AATETTING. DATETTING |
| E # R | | Dan |
| हि ज ल म | 0000 1 1 | 440 669761 2005 |
| | | |



| QC SUMMARY REPORT | WO#: | 1709101 |
|--|------|-----------|
| Hall Environmental Analysis Laboratory, Inc. | | 03-Oct-17 |
| | | |

| | gineering LLC Disposal 1 | | | | | | | | |
|----------------------------------|---|-------------|---------------|--------------|--------|---------------|--------|------------|--------|
| Sample ID MB | SampType: | mblk | Tes | tCode: EPA I | Method | 300.0: Anion: | 5 | | |
| Client ID: PBW | Batch ID: | R45505 | F | RunNo: 4550 | 5 | | | | |
| Prep Date: | Analysis Date: | 9/7/2017 | 5 | SeqNo: 1442 | 411 | Units: mg/L | | | |
| Analyte | Result PC | L SPK value | SPK Ref Val | %REC Lo | wLimit | HighLimit | %RPD | RPDLimit | Qual |
| Fluoride | ND 0.1 | | | | | | | | |
| Bromide | ND 0.1 | | | | | | | | |
| Phosphorus, Orthophosphate (As P | ND 0.5 | | | | | | | | |
| Sulfate | ND 0.5 | DO | | | | | | | |
| Sample ID LCS | SampType: | lcs | Tes | tCode: EPA I | Method | 300.0: Anion: | 5 | | |
| Client ID: LCSW | Batch ID: | R45505 | F | RunNo: 4550 | 5 | | | | |
| Prep Date: | Analysis Date: | 9/7/2017 | 5 | SeqNo: 1442 | 412 | Units: mg/L | | | |
| Analyte | Result PG | L SPK value | SPK Ref Val | %REC Lo | wLimit | HighLimit | %RPD | RPDLimit | Qual |
| Fluoride | 0.545 0.1 | 0.5000 | 0 | 109 | 90 | 110 | | | |
| Bromide | 2.39 0.1 | | 0 | 95.6 | 90 | 110 | | | |
| Phosphorus, Orthophosphate (As P | 4.64 0.5 | | 0 | 92.8 | 90 | 110 | | | |
| Sulfate | 9.43 0.5 | 00 10.00 | 0 | 94.3 | 90 | 110 | | | |
| Sample ID MB | SampType: mblk TestCode: EPA Method 300.0: Anions | | | | | | | | |
| Client ID: PBW | Batch ID: | A45821 | F | RunNo: 4582 | 1 | | | | |
| Prep Date: | Analysis Date: | 9/21/2017 | 5 | SeqNo: 1456 | 045 | Units: mg/L | | | |
| Analyte | Result PC | L SPK value | SPK Ref Val | %REC Lo | wLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND 0. | 50 | | | | | | | |
| Sample ID LCS | SampType: | lcs | Tes | tCode: EPA I | Method | 300.0: Anion: | 5 | | |
| Client ID: LCSW | Batch ID: | A45821 | F | RunNo: 4582 | 1 | | | | |
| Prep Date: | Analysis Date: | 9/21/2017 | 5 | SeqNo: 1456 | 046 | Units: mg/L | | | |
| Analyte | Result PC | L SPK value | SPK Ref Val | %REC Lo | wLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 4.8 0. | 50 5.000 | 0 | 96.5 | 90 | 110 | | | |
| Sample ID MB | SampType: | mblk | Tes | tCode: EPA I | Method | 300.0: Anion: | 5 | | |
| Client ID: PBW | Batch ID: | R45820 | F | RunNo: 4582 | 0 | | | | |
| Prep Date: | Analysis Date: | 9/22/2017 | 5 | SeqNo: 1456 | 612 | Units: mg/L | | | |
| Analyte | Result PC | SPK value | SPK Ref Val | %REC Lo | wLimit | HighLimit | %RPD | RPDI imit | Qual |
| Nitrate+Nitrite as N | | 20 | 2. 141401 Vdi | | | . ayıncırınt | .010 0 | . a ocnult | ajaran |

Qualifiers:

- Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Level.
 D Sample Dilated Due to Martin:
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 POL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix
 - RL
- Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit

W Sample container temperature is out of limit as specified

B Analyte detected in the associated Method Blank

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QC SUMMARY REPORT Hall Environmental Analysis Lab

| × ~ | |
|------|---|
| Hall | Environmental Analysis Laboratory, Inc. |
| | |

| | gineering LLC Jisposal 1 | | | | | | | | |
|----------------------|-----------------------------|-------------------------------|-------------|-----------|-----------|---------------|------|----------|------|
| Sample ID LCS | SampType: Ics | | Tes | tCode: Ef | PA Method | 300.0: Anion: | 5 | | |
| Client ID: LCSW | Batch ID: R4 | Batch ID: R45820 RunNo: 45820 | | | | | | | |
| Prep Date: | Analysis Date: 9/2 | 22/2017 | S | eqNo: 1 | 456613 | Units: mg/L | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | 3.5 0.20 | 3.500 | 0 | 98.9 | 90 | 110 | | | |

WO#:

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1709101

03-Oct-17

Qualifiers: Value exceeds Maximum Contaminant Level.

Value exceeds Maximum Contaminant Level.
 D Sample Duted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

E

- B Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits
- Sample pH Not In Range Reporting Detection Limit
 - RL
 - Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

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WO#:

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1709101

03-Oct-17

1709101

03-Oct-17

| | Engineering L Disposal 1 | LC | | | | | | | | |
|-----------------------------|-----------------------------|----------|-----------|-----------------------------------|----------|----------|-------------|------|----------|------|
| Sample ID 100ng Ics | SampT | ype: LC | s | TestCode: TCLP Volatiles by 8260B | | | | | | |
| Client ID: LCSW | Batch | D: T4 | 5499 | F | RunNo: 4 | 5499 | | | | |
| Prep Date: | Analysis D |)ate: 9/ | 7/2017 | | SeqNo: 1 | | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.021 | 0.010 | 0.02000 | 0 | 103 | 70 | 130 | | | |
| 1,1-Dichloroethene | 0.022 | 0.010 | 0.02000 | 0 | 108 | 70 | 130 | | | |
| Trichloroethene (TCE) | 0.021 | 0.010 | 0.02000 | 0 | 103 | 70 | 130 | | | |
| Chlorobenzene | 0.020 | 0.010 | 0.02000 | 0 | 99.5 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.010 | | 0.01000 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.0097 | | 0.01000 | | 96.7 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.010 | | 0.01000 | | 99.8 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.0094 | | 0.01000 | | 94.3 | 70 | 130 | | | |
| Sample ID rb | SampT | ype: ME | BLK | TestCode: TCLP Volatiles by 8260B | | | | | | |
| Client ID: PBW | Batch | h ID: T4 | 5499 | F | RunNo: 4 | 5499 | | | | |
| Prep Date: | Analysis D |)ate: 9/ | 7/2017 | 5 | SeqNo: 1 | 442203 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.50 | | | | | | | | |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | | | | | | | |
| 2-Butanone | ND | 200 | | | | | | | | |
| Carbon Tetrachloride | ND | 0.50 | | | | | | | | |
| Chloroform | ND | 6.0 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 7.5 | | | | | | | | |
| 1,1-Dichloroethene | ND | 0.70 | | | | | | | | |
| Hexachlorobutadiene | ND | 0.50 | | | | | | | | |
| Tetrachloroethene (PCE) | ND | 0.70 | | | | | | | | |
| Trichloroethene (TCE) | ND | 0.50 | | | | | | | | |
| Vinyl chloride | ND | 0.20 | | | | | | | | |
| Chlorobenzene | ND | 100 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.0099 | | 0.01000 | | 98.9 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.0096 | | 0.01000 | | 95.6 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.010 | | 0.01000 | | 99.9 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.0093 | | 0.01000 | | 93.5 | 70 | 130 | | | |
| | | | | | | | | | | |

Hall Environmental Analysis Laboratory, Inc.

| Client: Rule Eng Project: Sunco Di | ineering l isposal 1 | LLC | | | | | | | | |
|---|--|---|--|--|--|---|--|---|---|------|
| Sample ID 1709101-001bms | Samp | Type: MS | ; | Tes | tCode: E | PA Method | 8270C TCLP | | | |
| Client ID: S-5 (9/1/17) | Bate | h ID: 33 | 765 | F | RunNo: 4 | 5731 | | | | |
| Prep Date: 9/8/2017 | Analysis | Date: 9/ | 19/2017 | s | eqNo: 1 | 452210 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 2-Methylphenol | 0.059 | 0.0010 | 0.1000 | 0 | 59.0 | 23.9 | 129 | | | |
| 3+4-Methylphenol | 0.12 | 0.0010 | 0.2000 | 0 | 61.3 | 15 | 167 | | | |
| 2,4-Dinitrotoluene | 0.052 | 0.0010 | 0.1000 | 0 | 51.6 | 15 | 147 | | | |
| Hexachlorobenzene | 0.061 | 0.0010 | 0.1000 | 0 | 61.0 | 41.4 | 136 | | | |
| Hexachlorobutadiene | 0.052 | 0.0010 | 0.1000 | 0 | 52.1 | 16.2 | 134 | | | |
| Hexachloroethane | 0.044 | 0.0010 | 0.1000 | 0 | 44.3 | 20.6 | 124 | | | |
| Nitrobenzene | 0.064 | 0.0010 | 0.1000 | 0 | 64.1 | 39.5 | 134 | | | |
| Pentachlorophenol | 0.043 | 0.0010 | 0.1000 | 0 | 42.7 | 15 | 137 | | | |
| Pyridine | 0.030 | 0.0010 | 0.1000 | 0 | 30.0 | 15 | 129 | | | |
| 2,4,5-Trichlorophenol | 0.072 | 0.0010 | 0.1000 | 0 | 71.6 | 15 | 158 | | | |
| 2,4,6-Trichlorophenol | 0.060 | 0.0010 | 0.1000 | 0 | 60.5 | 15 | 153 | | | |
| Cresols, Total | 0.18 | 0.0010 | 0.3000 | 0 | 60.6 | 10.6 | 179 | | | |
| Surr: 2-Fluorophenol | 0.083 | | 0.2000 | | 41.5 | 15 | 124 | | | |
| Surr: Phenol-d5 | 0.069 | | 0.2000 | | 34.3 | 15 | 118 | | | |
| Surr: 2,4,6-Tribromophenol | 0.12 | | 0.2000 | | 61.9 | 15 | 148 | | | |
| Surr: Nitrobenzene-d5 | 0.071 | | 0.1000 | | 71.3 | 40.6 | 124 | | | |
| | | | | | | | | | | |
| Surr: 2-Fluorobiphenyl | 0.061 | | 0.1000 | | 61.3 | 35.7 | 128 | | | |
| Surr: 2-Fluorobiphenyl Surr: 4-Terphenyl-d14 | 0.061 0.056 | | 0.1000 0.1000 | | 61.3 56.1 | 35.7 18.8 | 128 115 | | | |
| | 0.056 | Type: MS | 0.1000 | Tes | 56.1 | 18.8 | | | | |
| Surr: 4-Terphenyl-d14 | 0.056 | Type: MS | 0.1000 | | 56.1 | 18.8 PA Method | 115 | | | |
| Surr: 4-Terphenyl-d14 Sample ID 1709101-001bms | 0.056 d Samp Bate | | 0.1000 D | F | 56.1 ICode: E | 18.8 PA Method 5731 | 115 | | | |
| Surr: 4-Terphenyl-d14 Sample ID 1709101-001bms Client ID: S-5 (9/1/17) | 0.056 d Samp Bate Analysis Result | :h ID: 33 Date: 9/ PQL | 0.1000 765 19/2017 SPK value | F S SPK Ref Val | 56.1 ICode: E RunNo: 4 | 18.8 PA Method 5731 | 115 8270C TCLP | %RPD | RPDLimit | Qual |
| Sur: 4-Terphenyl-d14 Sample ID 1709101-001bmso Client ID: 5-5 (9/1/17) Prep Date: 9/8/2017 Analyte 2-Methylphenol | 0.056 d Samp Bate Analysis | ch ID: 33 Date: 9/ PQL 0.0010 | 0.1000 5D 765 19/2017 SPK value 0.1000 | F S SPK Ref Val 0 | 56.1 ICode: E RunNo: 4 GeqNo: 1 %REC 62.6 | 18.8 PA Method 5731 452211 LowLimit 23.9 | 115 8270C TCLP Units: mg/L HighLimit 129 | 5.95 | 20 | Qual |
| Surr: 4-Terphenyl-d14 Sample ID 1709101-001bmsd Client ID: S-5 (9/1/17) Prep Date: 9/8/2017 Analyte 2.Methylphenol 3-4.Methylphenol 3-4.Methylphenol | 0.056 Bate Analysis Result 0.063 0.13 | ch ID: 33 Date: 9/ PQL 0.0010 0.0010 | 0.1000 5D 765 19/2017 SPK value 0.1000 0.2000 | F SPK Ref Val 0 0 | 56.1 tCode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 | 18.8 PA Method 5731 452211 LowLimit 23.9 15 | 115 8270C TCLP Units: mg/L HighLimit 129 167 | 5.95 7.89 | 20 20 | Qual |
| Sur: 4-Terphanyl-d14 Sample ID 1709101-001bmsk Client ID: S-5 (9/1/17) Prep Date: 9/8/2017 Analyte 2.Methylphenol 3.4-Methylphenol 4.4-Dintroblume | 0.056 Bate Analysis Result 0.063 0.13 0.058 | ch ID: 33 Date: 9/ PQL 0.0010 0.0010 0.0010 | 0.1000 5D 765 19/2017 SPK value 0.1000 0.2000 0.1000 | F S SPK Ref Val 0 0 0 | 56.1 tCode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 | 18.8 PA Method 5731 452211 LowLimit 23.9 15 15 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 | 5.95 7.89 12.5 | 20 20 23.2 | Qual |
| Sur: 4-Terphenyl-d14 Sample ID 1709101-001bmss Client ID: S-5 (9/1/17) Prep Date: 9/8/2017 Analyte 24-Methylphenol 34-Methylphenol 2,4-Dinitrobluene Headhirobenzene | 0.056 Bate Analysis Result 0.063 0.13 0.058 0.070 | ch ID: 33 Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 | 0.1000 5D 765 19/2017 SPK value 0.1000 0.2000 0.1000 0.1000 | F S SPK Ref Val 0 0 0 0 0 | 56.1 ICode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 | 18.8 PA Method 5731 452211 LowLimit 23.9 15 15 15 41.4 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 | 5.95 7.89 12.5 13.8 | 20 20 23.2 20 | Qual |
| Sur: 4-Tephenyl-d14 Sample ID 1709101-001bmse Client ID: 8-5 (9/1/17) Prep Date: 9/8/2017 Analyte 2.448/hybrend 2.448/hybrend 2.448/hybrend 2.4-Methybrend 2.4-141/kadene Hexachirobularene Hexachirobularene | 0.056 Bate Analysis Result 0.063 0.13 0.058 0.070 0.061 | ch ID: 33 Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 5D 765 19/2017 SPK value 0.1000 0.2000 0.1000 0.1000 0.1000 | F SPK Ref Val 0 0 0 0 0 | 56.1 tCode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 | 18.8 PA Method 5731 452211 LowLimit 23.9 15 15 15 41.4 16.2 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 | 5.95 7.89 12.5 13.8 15.4 | 20 20 23.2 20 20 | Qual |
| Sur: 4-Terphanyl-d14 Sample ID 1709101-001bms/ Client ID: S-6 (9/1/17) Prep Date: 9/8/2017 Analyte 24.46ttyphenol 3:4-Methyphenol 4-24.Dinitroblume Hexablrobenzane Hexablrobenzane Hexablrobenzane Hexablrobenzane | 0.056 d Samp Bate Analysis Result 0.063 0.13 0.058 0.070 0.061 0.049 | ch ID: 33 Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 765 19/2017 SPK value 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 | F S SPK Ref Val 0 0 0 0 0 0 0 | 56.1 tCode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 | 18.8 PA Method 5731 452211 LowLimit 23.9 15 15 15 41.4 16.2 20.6 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 124 | 5.95 7.89 12.5 13.8 15.4 10.4 | 20 20 23.2 20 20 31.3 | Qual |
| <u>Sur:</u> 4-Terphanyl-d14 Sample ID 1709101-001bmss Client ID: S-3 (91/17) Perp Date: 918/2017 Analyte 2-Mathylphanol 2-Mathylphanol 2-Mathylphanol -exachlorobusines Headhlorobusines Headhlorobusines | 0.056 Bate Analysis Result 0.063 0.058 0.070 0.061 0.049 0.076 | 2:h ID: 33 Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 765 19/2017 SPK value 0.1000 0.2000 0.1000 0.1000 0.1000 0.1000 0.1000 | F S SPK Ref Val 0 0 0 0 0 0 0 0 0 | 56.1 ICode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 | 18.8 PA Method 5731 452211 23.9 15 15 41.4 16.2 20.6 39.5 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 124 134 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 | 20 20 23.2 20 20 31.3 26.6 | Qual |
| Sur: 4-Tephanyl-d14 Sample ID 1709101-001bmsi Client ID: 8-5 (9/1/17) Prep Date: 9/8/2017 Analyte 2Methylphenol 4-4 Methylphenol 4-4 Adehylphenol 4-4 Adehylphenol 4-adahoroehrane 4-adahoroehrane 4-adahoroehrane 4-adahoroehrane 4-adahoroehrane 4-adahoroehrane 4-adahoroehrane | 0.056 Bate Analysis Result 0.063 0.13 0.058 0.070 0.061 0.049 0.076 0.042 | 2h ID: 33 Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 D765 19/2017 SPK value 0.1000 0.2000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 | 5 SPK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 56.1 ICode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 42.3 | 18.8 PA Method 5731 452211 23.9 15 15 41.4 16.2 20.6 39.5 15 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 124 134 134 137 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 1.13 | 20 20 23.2 20 20 31.3 26.6 27.9 | |
| Surr. 4-Terphanyl-d1 Sample ID 1709101-001bmss Client ID 7509101-001bmss Client ID 5-5 (91/17) Prep Date: 9/92017 Analyte 2-Methythand 2-4Meth | 0.056 Samp Bate Analysis Result 0.063 0.13 0.058 0.070 0.061 0.049 0.076 0.042 0.010 | 2h ID: 33 Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 iD 765 SPK value 0.1000 0.2000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 | 5 5 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 56.1 ICode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 42.3 10.2 | 18.8 PA Method 5731 452211 23.9 15 15 41.4 16.2 20.6 39.5 15 15 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 124 134 124 134 124 137 129 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 1.13 98.3 | 20 23.2 20 31.3 26.6 27.9 47.4 | Qual |
| Sur: 4-Terphanyl-d14 Sample ID 1709101-001bmss Client ID: 8-5 (9/1/17) Prep Date: 9/8/2017 Analyte 24.0http:/phrand 24.0http: | 0.056 Samp Batt Analysis Result 0.063 0.058 0.070 0.061 0.049 0.076 0.042 0.070 0.061 | 2010 2010 2010 2010 2010 2010 2010 2010 | 0.1000 FD F65 19/2017 SPK value 0.1000 0.2000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 | F S SPK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 56.1 ICode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 42.3 10.2 80.3 | 18.8 PA Method 5731 452211 23.9 15 15 41.4 16.2 20.6 39.5 15 15 15 15 | 115 8270C TCLP HighLimit 127 136 134 134 134 137 129 158 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 1.13 98.3 11.4 | 20 20 23.2 20 31.3 26.6 27.9 47.4 36.9 | |
| Surr 4 Terphanyl 41 Sampele 10 17039101-001bmss Client 10: S-5 (91/17) Prop Date: 9/9/2017 Analyte 2/Admtyhand 4/Adm | 0.056 Samp Bate Analysis Result 0.063 0.13 0.058 0.070 0.061 0.049 0.076 0.042 0.010 0.080 0.071 | ID: 33: Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 iD 765 19/2017 SPK value 0.1000 0.2000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 | F S SPK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 56.1 Code: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 42.3 10.2 80.3 71.3 | 18.8 PA Method 5731 452211 LowLimit 23.9 15 15 41.4 16.2 20.6 39.5 15 15 15 15 15 | 115 8270C TCLP Units: mg/L 129 167 136 134 134 134 134 134 134 134 135 153 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 1.13 98.3 11.4 16.4 | 20 20 23.2 20 31.3 26.6 27.9 47.4 36.9 37.2 | |
| Sur: 4-Tephan/414 Sample ID 1709101-001bmsi Client ID: 5-6 (91/17) Prop Data: 9/8/2017 Analyte 2-Methylphand 3-4-Methylphand 2-4-Onitobuene Hexadirotobatine Hexadirotobatine Hexadirotobatine Pertabiloophand 2.4.5 Trichbrophand | 0.056 a Samp Bate Analysis Result 0.063 0.058 0.070 0.061 0.042 0.010 0.042 0.010 0.042 0.010 0.061 0.042 0.010 0.061 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.026 0.042 0.026 0.042 0.042 0.042 0.042 0.042 0.056 0.042 | 2010 2010 2010 2010 2010 2010 2010 2010 | 0.1000 iD 765 19/2017 SPK value 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.100000 0.100000 0.100000 0.10000000000 | F S SPK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 56.1 tCode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 42.3 10.2 80.3 71.3 65.1 | 18.8 PA Method 5731 452211 23.9 15 15 41.4 416.2 20.6 39.5 15 15 15 15 15 15 15 15 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 134 134 134 134 135 153 179 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 1.13 98.3 11.4 16.4 7.27 | 20 23.2 20 31.3 26.6 27.9 47.4 36.9 37.2 27.4 | |
| Surr 4-Terphenyl-414 Sample ID 7709101-001bmss Client ID: S-5 (91/17) Prep Date: 9/8/2017 Analyte 2/40110/1014 2-40110/bannel 4/40110/bannel 2-40110/bannel 4/40110/bannel 4-40110/banne Hexaltroohrane Hexaltroohrane Periodine Printion 2.4.5.116/konghenol 2.4.5.116/konghenol 2.4.5.116/konghenol Z4.6.116/konghenol Z4.5.116/konghenol Direxio, Total Sur; 2.PLucophanol | 0.056 Samp Bate Analysis Result 0.063 0.03 0.058 0.070 0.061 0.042 0.076 0.042 0.010 0.070 0.076 0.042 0.010 0.080 0.070 | ID: 33: Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 iD 765 19/2017 SPK value 0.1000 0.2000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.1000 0.2000 | F S SPK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 56.1 tCode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 42.3 10.2 80.3 71.3 65.1 45.4 | 18.8 PA Method 5731 452211 23.9 15 15 41.4 16.2 20.6 39.5 15 15 15 15 15 15 10.6 15 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 134 134 137 129 158 153 179 124 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 1.13 98.3 11.4 16.4 7.27 0 | 20 23.2 20 31.3 26.6 27.9 47.4 36.9 37.2 27.4 0 | |
| Sur: 4-Tephan/414 Sample ID 1709101-001bmsi Client ID: 5-6 (91/17) Prop Data: 9/8/2017 Analyte 2-Methylphand 3-4-Methylphand 2-4-Onitobuene Hexadirotobatine Hexadirotobatine Hexadirotobatine Pertabiloophand 2.4.5 Trichbrophand | 0.056 a Samp Bate Analysis Result 0.063 0.058 0.070 0.061 0.042 0.010 0.042 0.010 0.042 0.010 0.061 0.042 0.010 0.061 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.010 0.056 0.042 0.026 0.042 0.026 0.042 0.042 0.042 0.042 0.042 0.056 0.042 | ID: 33: Date: 9/ PQL 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 0.0010 | 0.1000 iD 765 19/2017 SPK value 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.10000 0.100000 0.100000 0.100000 0.10000000000 | F S SPK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 56.1 tCode: E RunNo: 4 SeqNo: 1 %REC 62.6 66.4 58.5 70.1 60.8 49.2 75.9 42.3 10.2 80.3 71.3 65.1 | 18.8 PA Method 5731 452211 23.9 15 15 41.4 416.2 20.6 39.5 15 15 15 15 15 15 15 15 | 115 8270C TCLP Units: mg/L HighLimit 129 167 147 136 134 134 134 134 134 135 153 179 | 5.95 7.89 12.5 13.8 15.4 10.4 16.9 1.13 98.3 11.4 16.4 7.27 | 20 23.2 20 31.3 26.6 27.9 47.4 36.9 37.2 27.4 | |

Client:

Project:

Client ID: S-5 (9/1/17)

Prep Date: 9/8/2017

Analyte Surr: Nitrobenzene-d5 Surr: 2-Fluorobiphenyl Surr: 4-Terphenyl-d14

 Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

0.064

Batch ID: 33765

Analysis Date: 9/19/2017

0.1000

Rule Engineering LLC

Sunco Disposal 1 Sample ID 1709101-001bmsd SampType: MSD

- B Analyte detected in the associated Method Blank
 E Value above quantitation range Analyté detected in the associated Method E
 Value above quantitation range
 J Analyté detected below quantitation limits
 P Sample pH Not In Range
 R. Reporting Detection Limit
 W Sample container temperature is out of limit
- - ure is out of limit as specified

TestCode: EPA Method 8270C TCLP

115

0

RunNo: 45731 SeqNo: 1452211 Units: mg/L

> 64.2 18.8

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 0.081
 0.1000
 81.4
 40.6
 124
 0
 0

 0.073
 0.1000
 72.6
 35.7
 128
 0
 0

 Qualifiers:
 •
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix
 •

 Holding times for preparation or analysis exceeded
 ND
 Net Detected at the Reporting Limit

 Value exceeds at the Reporting Limit
 •
 •
 •
 •

PQL Practical Quantative Limit S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank E Value above quantitation range

J Analyte detected below quantitation limits P Sample pH Not In Range

Page 6 of 13

WO#:

Page 8 of 13

1709101

03-Oct-17

RL Reporting Detection Limit W Sample container temperat

ature is out of limit as specified

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | Rule Eng Sunco Di | ineering L sposal 1 | LC | | | | | | | | |
|---------------------|----------------------|------------------------|----------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Sample ID | MB-33892 | SampT | ype: ME | BLK | Tes | tCode: El | PA Method | 7470: Mercu | У | | |
| Client ID: | PBW | Batcl | h ID: 33 | 892 | F | RunNo: 4 | 5662 | | | | |
| Prep Date: | 9/15/2017 | Analysis E | Date: 9/ | 15/2017 | 5 | SeqNo: 1 | 449239 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | | ND | 0.00020 | | | | | | | | |
| Sample ID | LCS-33892 | SampT | Type: LC | S | Tes | tCode: El | PA Method | 7470: Mercui | у | | |
| Client ID: | LCSW | Batcl | h ID: 33 | 892 | F | RunNo: 4 | 5662 | | | | |
| Prep Date: | 9/15/2017 | Analysis D | Date: 9/ | 15/2017 | 5 | SeqNo: 1 | 449240 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | | 0.0050 | 0.00020 | 0.005000 | 0 | 99.1 | 80 | 120 | | | |
| Sample ID | 1709101-001DMS | SampT | ype: MS | 3 | Tes | tCode: El | PA Method | 7470: Mercui | у | | |
| Client ID: | S-5 (9/1/17) | Batcl | h ID: 33 | 892 | F | RunNo: 4 | 5662 | | | | |
| Prep Date: | 9/15/2017 | Analysis D | Date: 9/ | 15/2017 | 5 | SeqNo: 1 | 449249 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | | 0.0039 | 0.0010 | 0.005000 | 0.0001995 | 73.2 | 75 | 125 | | | S |
| Sample ID | 1709101-001DMS |) Samp1 | Type: MS | D | Tes | tCode: El | PA Method | 7470: Mercui | γ | | |
| Client ID: | S-5 (9/1/17) | Batcl | h ID: 33 | 892 | F | RunNo: 4 | 5662 | | - | | |
| Prep Date: | 9/15/2017 | Analysis D |)ate: 9/ | 15/2017 | | SeqNo: 1 | 449250 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | | 0.0039 | 0.0010 | 0.005000 | 0.0001995 | 74.0 | 75 | 125 | 1.05 | 20 | S |

Qualifiers:

- Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Mattrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 Post-Cale Quantitative Limit
 % Recovery outside of range due to dilution or matrix
- E J
- RL

Analyte detected in the associated wethod is Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit

B Analyte detected in the associated Method Blank

W Sample container temperature is out of limit as specified

- - - RL
- Analyte detected below quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit
 - W Sample container temperature is out of limit as specified

B Analyte detected in the associated Method Blank

- Qualifiers: Value exceeds Maximum Contaminant Level.
- Value exceeds Maximum Contaminani Levis.
 D Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

E

| moroury | | 0.0000 | 0.00020 | 0.000000 | 0 | 00.1 | 00 | 120 | | | |
|------------|----------------|------------|-----------|-----------|-------------|----------|-----------|--------------|------|----------|------|
| Sample ID | 1709101-001DMS | Samp | Type: MS | 6 | Tes | Code: E | PA Method | 7470: Mercur | у | | |
| Client ID: | S-5 (9/1/17) | Bato | :h ID: 33 | 892 | F | tunNo: 4 | 5662 | | | | |
| Prep Date: | 9/15/2017 | Analysis [| Date: 9/ | 15/2017 | S | eqNo: 1 | 449249 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | | 0.0039 | 0.0010 | 0.005000 | 0.0001995 | 73.2 | 75 | 125 | | | S |
| Sample ID | 1709101-001DMS | D Samp | Type: MS | SD | Tes | Code: E | PA Method | 7470: Mercur | у | | |
| Client ID: | S-5 (9/1/17) | Bato | :h ID: 33 | 892 | F | tunNo: 4 | 5662 | | | | |
| Prep Date: | 9/15/2017 | Analysis [| Date: 9/ | 15/2017 | S | eqNo: 1 | 449250 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Margaret | | 0.0020 | 0.0010 | 0.005000 | 0.0001005 | 74.0 | 75 | 105 | 1 OF | 20 | c |

tol Anolysi Lab

WO#: 1709101

| Client: | Rule Eng | ineering l | LLC | | | | | | | | |
|-----------------------|----------------|--------------|--------------|-----------|-------------|----------|-------------|---------------|-----------|----------|------|
| Project: | Sunco Di | sposal 1 | | | | | | | | | |
| Sample ID | MB-34004 | Samp | Туре: МЕ | 3LK | Tes | tCode: E | PA 6010B: " | Total Recover | able Meta | als | |
| | PBW | | :h ID: 34 | | F | tunNo: 4 | 5798 | | | | |
| Prep Date: | 9/21/2017 | Analysis | | | | eqNo: 1 | | Units: mg/L | | | |
| | | | | | | | | - | | | |
| Analyte Arsenic | | Result ND | PQL 0.020 | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | | ND | 0.020 | | | | | | | | |
| Cadmium | | ND | 0.0020 | | | | | | | | |
| Calcium | | ND | 1.0 | | | | | | | | |
| Jaicium Chromium | | ND | 0.0060 | | | | | | | | |
| .ead | | ND | 0.0050 | | | | | | | | |
| | | | | | | | | | | | |
| Aagnesium | | ND ND | 1.0 1.0 | | | | | | | | |
| Potassium Selenium | | ND ND | 0.050 | | | | | | | | |
| | | | | | | | | | | | |
| Silver | | ND | 0.0050 | | | | | | | | |
| Sodium | | ND | 1.0 | | | | | | | | |
| Sample ID | LCS-34004 | Samp | Type: LC | s | Tes | tCode: E | PA 6010B: " | Total Recover | able Meta | als | |
| Client ID: | LCSW | Bate | h ID: 34 | 004 | F | RunNo: 4 | 5798 | | | | |
| Prep Date: | 9/21/2017 | Analysis | Date: 9/ | 22/2017 | S | eqNo: 1 | 455671 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | | 0.52 | 0.020 | 0.5000 | 0 | 104 | 80 | 120 | | | |
| Barium | | 0.49 | 0.020 | 0.5000 | 0 | 98.4 | 80 | 120 | | | |
| Cadmium | | 0.48 | 0.0020 | 0.5000 | 0 | 95.9 | 80 | 120 | | | |
| Calcium | | 50 | 1.0 | 50.00 | 0 | 101 | 80 | 120 | | | |
| Chromium | | 0.49 | 0.0060 | 0.5000 | 0 | 98.0 | 80 | 120 | | | |
| ead | | 0.48 | 0.0050 | 0.5000 | 0 | 95.1 | 80 | 120 | | | |
| Aagnesium | | 50 | 1.0 | 50.00 | 0 | 99.2 | 80 | 120 | | | |
| otassium | | 48 | 1.0 | 50.00 | 0 | 95.4 | 80 | 120 | | | |
| Selenium | | 0.47 | 0.050 | 0.5000 | 0 | 94.6 | 80 | 120 | | | |
| Silver | | 0.097 | 0.0050 | 0.1000 | 0 | 97.5 | 80 | 120 | | | |
| Sodium | | 49 | 1.0 | 50.00 | 0 | 97.2 | 80 | 120 | | | |
| Sample ID | 1709101-001DMS | Samp | Type: MS | 3 | Tes | tCode: E | PA 6010B: " | Total Recover | able Meta | als | |
| Client ID: | S-5 (9/1/17) | Bate | :h ID: 34 | 004 | F | tunNo: 4 | 5960 | | | | |
| Prep Date: | 9/21/2017 | Analysis | Date: 9/ | 28/2017 | S | eqNo: 1 | 461674 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | | 0.62 | 0.020 | 0.5000 | 0.1127 | 102 | 75 | 125 | | | |
| Cadmium | | 0.50 | 0.0020 | 0.5000 | 0 | 99.9 | 75 | 125 | | | |
| Chromium | | 0.49 | 0.0060 | 0.5000 | 0.01869 | 93.8 | 75 | 125 | | | |
| .ead | | 0.45 | 0.0050 | 0.5000 | 0 | 89.8 | 75 | 125 | | | |
| Selenium | | 0.23 | 0.050 | 0.5000 | 0 | 46.8 | 75 | 125 | | | S |
| Silver | | 0.11 | 0.0050 | 0.1000 | 0 | 110 | 75 | 125 | | | |
| | | | | | | | | | | | |

- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Detection Limit
 W Sample container temperature is out of limit Page 9 of 13

ure is out of limit as specified

QC SUMMARY REPORT

Prep Date:

Analyte

Client ID: S-5 (9/1/17)

Hall Environmental Analysis Laboratory, Inc.

Batch ID: 34004

Analysis Date: 9/28/2017

| Client: Project: | Rule Engi Sunco Dis | | LLC | | | | | | | | |
|---------------------|------------------------|------------|----------|-----------|-------------|-----------|-----------|---------------|-----------|----------|------|
| Sample ID | 1709101-001DMSE |) Samp | Type: MS | SD | Tes | tCode: El | PA 6010B: | Total Recover | able Meta | als | |
| Client ID: | S-5 (9/1/17) | Bato | h ID: 34 | 004 | F | RunNo: 4 | 5960 | | | | |
| Prep Date: | 9/21/2017 | Analysis I | Date: 9/ | 28/2017 | s | SeqNo: 1 | 461678 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | | 0.59 | 0.020 | 0.5000 | 0 | 118 | 75 | 125 | 4.96 | 20 | |
| Cadmium | | 0.46 | 0.0020 | 0.5000 | 0 | 91.2 | 75 | 125 | 9.07 | 20 | |
| Chromium | | 0.45 | 0.0060 | 0.5000 | 0.01869 | 85.6 | 75 | 125 | 8.78 | 20 | |
| Lead | | 0.41 | 0.0050 | 0.5000 | 0 | 82.5 | 75 | 125 | 8.50 | 20 | |
| Selenium | | 0.20 | 0.050 | 0.5000 | 0 | 40.4 | 75 | 125 | 14.7 | 20 | S |
| Silver | | 0.10 | 0.0050 | 0.1000 | 0 | 101 | 75 | 125 | 8.61 | 20 | |
| Sample ID | 1709101-001DPS | Samp | Type: PS | ; | Tes | tCode: El | PA 6010B: | Fotal Recover | able Meta | als | |

RunNo: 45960

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit

 0.41
 0.050
 0.5000
 0
 82.8
 80
 120
 RPDLimit

SeqNo: 1461679 Units: mg/L

| Qualifi | iers: | | |
|---------|-------|--|--|
| | | | |

 Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix

 H
 Holding times for preparation or analysis exceeded

 ND
 Nex Detected at the Reporting Limit

 *
 To maintain Constrainty

- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
 E Value above quantitation range
- Page 10 of 13
- E Value above quantitation range J Analyte detected below quantitation limits P Sample pH Not In Range
- RL Reporting Detection Limit W Sample container temperat
- rature is out of limit as specified

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| man Env | nonmentar rinarysis Eaboratory, me. |
|---------|-------------------------------------|
| | |
| Client: | Pula Engineering LLC |

| Project: | Sunco Dis | 0 | L | | | | | | | | |
|------------------|-----------------|------------|---------|-----------|-------------|----------|-------------|-----------|-------|----------|------|
| Sample ID | 1709101-001CDUP | SampT | /pe: DL | JP | Tes | tCode: S | pecific Gra | vity | | | |
| Client ID: | S-5 (9/1/17) | Batch | ID: R4 | 15481 | F | RunNo: 4 | 5481 | | | | |
| Prep Date: | | Analysis D | ate: 9/ | 7/2017 | 8 | eqNo: 1 | 441598 | Units: | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Specific Gravity | 1 | 1.008 | 0 | | | | | | 0.337 | 20 | |

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Rule Engineering LLC

Client:

03-Oct-17

WO#:

1709101

| Project: Sun | co Disposal 1 | | | | |
|-----------------------------|-------------------------|---------------------------|-------------------|---------------|---|
| Sample ID mb-1 | SampType: MBLK | TestCode: SM2320B: A | Ikalinity | | |
| Client ID: PBW | Batch ID: R45511 | RunNo: 45511 | | | |
| Prep Date: | Analysis Date: 9/7/2017 | SeqNo: 1442538 | Units: mg/L CaCO3 | | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual | |
| Total Alkalinity (as CaCO3) | ND 20.00 | | | | |
| Sample ID Ics-1 | SampType: LCS | TestCode: SM2320B: A | Ikalinity | | _ |
| Client ID: LCSW | Batch ID: R45511 | RunNo: 45511 | | | |
| Prep Date: | Analysis Date: 9/7/2017 | SeqNo: 1442539 | Units: mg/L CaCO3 | | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual | |
| Total Alkalinity (as CaCO3) | 79.12 20.00 80.00 | 0 98.9 90 | 110 | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level. Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Mattrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 Post-Call Quantitative Limit
 % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified

Page 11 of 13

B Analyte detected in the associated Method Blank

Qualifiers: Value exceeds Maximum Contaminant Level.

Value exceeds Maximum Contaminant Leves.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank Analyte detected in the associated weinour Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit E

RL

- Page 12 of 13
- W Sample container temperature is out of limit as specified

Qua

WO#:

1709101

03-Oct-17

Hall Environmental Analysis Laboratory, Inc.

| | Engineering LLC Disposal 1 | | | |
|------------------------|-------------------------------|---------------------------|------------------------|---------------|
| Sample ID MB-33751 | SampType: MBLK | | OD: Total Dissolved So | lids |
| Client ID: PBW | Batch ID: 33751 | RunNo: 45510 | | |
| Prep Date: 9/7/2017 | Analysis Date: 9/8/2017 | SeqNo: 1442510 | Units: mg/L | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Total Dissolved Solids | ND 20.0 | | | |
| Sample ID LCS-33751 | SampType: LCS | TestCode: SM2540C M | OD: Total Dissolved So | lids |
| Client ID: LCSW | Batch ID: 33751 | RunNo: 45510 | | |
| Prep Date: 9/7/2017 | Analysis Date: 9/8/2017 | SeqNo: 1442511 | Units: mg/L | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Fotal Dissolved Solids | 1010 20.0 1000 | 0 101 80 | 120 | |

WO#:

Page 13 of 13

1709101

03-Oct-17

| Client Name! | | | hquerque, NM 87 (FAX: 303-345-4 denveronmental i | 107 | RepINO: 1 | | | |
|------------------|--|-----------------------|--|------------|------------------------------------|--|--|--|
| | RULE ENGINEERING LL | Work Order Number | 1709101 | | RepiND: 1 | | | |
| Repowed By: | Anriy Frequien | 9/2/2017 12:50:00 PM | | and | | | | |
| Completed By: | Ashley Gallegos | 9/6/2017 1:04:14 PM | | A | | | | |
| Reviewent Ry | ENH | 9/6/17 | | Ŵ | | | | |
| Chain of Cus | tody | | | | | | | |
| 1. Custody sea | Is intact on sample bottles? | | Yes | No 🗔 | Not Present 🗹 | | | |
| 2. Is Chain of C | Custody complete? | | Yes 🗹 | No 🗌 | Not Present | | | |
| 3. How was the | sample delivered? | | Courier | | | | | |
| Log In | | | | | | | | |
| 4. Wae an alter | mpt made to cool the sample | ċs? | Yes 🗹 | No | NA 🗔 | | | |
| 5. Were all sam | nples received at a temperat | ure of >0° C to 6.0°C | Yes 🗹 | No 🗆 | NA 🗔 | | | |
| 6. Samplo(s) in | rpropor container(a)? | | Yes 🗹 | No 🗖 | | | | |
| 7 Sufficient aar | mple volume for indicated iss | st(s)? | Yes 🖌 | No 🗌 | | | | |
| 8. Are samples | (except VOA and ONG) proj | peny preserved? | Yos 🗹 | No | | | | |
| 9. Was preserve | ative added to bottles? | | Yes 🗌 | No 🗹 | NA 🛄 | | | |
| 10.VOA vials ha | ve zero hendspace? | | Yes 🔄 | No 🗔 | No VOA Visla | | | |
| 11. Were any sa | imple containers received bri | cken? | Yes 🗆 | No 🗹 | | | | |
| 12. Does paperw | vork match bettie jabels? | | Yes M | No | for preserved bottles checked 1; 2 | | | |
| | sancies on chain of custody) | | | - | Con 12 uniess note | | | |
| | correctly identified on Cham | | Yes M | NO | Adjusted? 17(2 | | | |
| | at analyses were requested? Ing times able to be met? | | You M | No L | Checked by: Sy'C | | | |
| | customer for authorization 3 | | Yes 🗹 | No 🛄 | near of SKE | | | |
| Special Handl | ling (if applicable) | | | | | | | |
| 16 Was client no | of all discrepancies will | In this order? | Yes 🗔 | No 🗌 | NA M | | | |
| Person | Notified | Date | | | | | | |
| By Who Regard | and the second sec | Via: [| _ eMail _ Pi | none 🗌 Fax | In Person | | | |

- Qualifiers:

 * Value exceeds Maximum Contaminant Level.

 D Sample Diluted Due to Matrix

 Holding times for preparation or analysis exceeded

 ND Not Detected at the Reperting Limit

 PQL
 Practical Quanitative Limit

 S
 % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 Reporting Detection Limit
 Sample container temperature is out of limit as specified

| ant o | Inaliti | -ot-Ci | Chain-of-Custody Record | Turn-Aroune Time: | ime: | | | 1 | HA | E | NN | IRC | N | HALL ENVIRONMENTAL | AL |
|---------------|-----------------------|---|--|-----------------------------|----------------------|---|------------------------|---|-------------|--------------------------|------------------|--|------------|--|-----|
| | m | Ener | Kull Engineering LLC | Project Name: | C Rush | | | | AN | WALYSIS LABO | SIS | LA lental | BO | ANALYSIS LABORATORY www.hallenvironmental.com | RY |
| 1 Bullio | Address | 5016 | Mailing Address: 501 Air part Dr. Ste 205 | Sunce D | Sunce Disporel #1 | ±) | 4 | 4901 Hawkins NE - Albuquerque, NM 87109 | visins | E - N | andric | rque, | AM 8 | 109 | |
| HOULE # | (So: | S) FIL | Phone # (505) 7-14-2387 | | | | | 1.61. 000-040-04/0 | 0.010 | Ana | rax o lysis F | Fax pub-sep-et10/ Analysis Request | 1 | | |
| voc Pa | email or Fax#: N | Muzzds | erail or Faxet: huxeds@aulunginaurig.com อMoc Package | Project Manager. | Lab | | | (DSIW | - | (5 | (*QS' | 2'E | - | - | - |
| Standard | ard | ļ | Level 4 (Full Validation) | Heather Woods | ulbods | | - | | | SINIS | 'Od' | bC | _ | _ | |
| Accreditation | P | D Other | я. | Sampler: Headhar Woods | AVAN UND | od S E No | | | | 0128 | CON'S | 1 9082 | (\ | P | _ |
| EDD (Type) | Type) | | | Sample Temperature: 4, 6 °C | erature. 4. | 3.9 | | 99) | | | - | _ | | nys: | _ |
| Date | Time | Matrx | Sample Request ID | Container Type and # | Preservative Type | I TOPIOI | TM + XET8 TM + XET8 | 86108 H9T | ED8 (Weitro | PAH's (8311 RCRA 8 Me | D, H) anoinA | olized 1808 VOV) 80958 | -me2) 0728 | NAHA WZ | |
| NO | 9/17 0920 | | Water S-5(9/1/17) | / (1) 500 Plash | HNO3 | - 001 | | | | | | - | | × | |
| - | | | | 1)50m Punk | HOON | 100- | | | | | | | | | _ |
| | | | | () SOMI PLAYER NA PHALE | ZW ANIAH | - 001 | | | | | | | | | |
| | 1 | | | (2) Sand Planti | Non | 100- | - | П | _ | | | | | | |
| | | | | 7 [1]125 m. Plan | HoszH . | -001 | | | | | | | | | |
| | | | | (Dizsmi Planic HNOS | HNOS | - 001 | | | - | | | - | | | _ |
| 77 | ľ | | | (5) I LAnder Gute | Non | -001 | | | | | | - | | | |
| | | | | (3) your you | HCI | - 001 | | | | | | - | | | |
| | | | | | | | | | | | | | | | |
| 11/10 | Inter 1710 1871 | Relinquished by. Miletth Relinquished by. | ished py. the M. Waror- ished by Napor- | Context by Background by | - alt | 9/1/17 1715 Bajo Timo 9/2/17 1250 | | Remarks: Direct Bill to A | 40 00 | 41 4 | Panel | Not | - Ro | Remarks Direct Rul to Ague Acco - Rotes per Arady Su Artechus Poger (2) | Ppu |

Sunco Disposal #1 Quarterly Laboratory Analytical List Page 1

Characteristic of toxicity using the Toxicity Characteristic Leaching Procedure, EPA SW-846 Test Method 1311 (see Table 1, 40 CFR 261.24(b)).

18. <u>Cooler Information</u> <u>Cooler No Tramp *C Condition Scot Intent Seek No Cool Date</u> Supraid By 1 4.5 Good Yes

17. Additional remarks:

Page 1 of 1

| EPA HW No. | Contaminant | SW-846 Methods | Regulatory Leve (mg/L) |
|------------|----------------------|---------------------------------|---------------------------|
| D004 | Arsenic | 1311 | 5.0 |
| D005 | Barium | 1311 | 100.0 |
| D018 | Benzene | 8021B | 0.5 |
| D006 | Cadmium | 1311 | 1.0 |
| D019 | Carbon tetrachloride | 8021B 8260B | 0.5 |
| D020 | Chlordane | 8081A | 0.03 |
| D021 | Chlorobenzene | 8021B 8260B | 100.0 |
| D022 | Chloroform | 8021B 8260B | 6.0 |
| D007 | Chromium | 1311 | 5.0 |
| D023 | o-Cresol | 8270D | 200.0 |
| D024 | m Cresol | 8270D | 200.0 |
| D025 | p-Cresol | \$270D | 200.0 |
| D026 | Cresol | \$270D | 200.0 |
| D027 | 1,4-Dichlorobenzene | 8021B 8121 8260B 8270D | 7.5 |
| D028 | 1,2-Dichloroethane | 8021B 8260B | 0.5 |
| D029 | 1,1-Dichloroethylene | 8021B 8260B | 0.7 |
| D030 | 2,4-Dinitrotoluene | 8091 8270D | 0.13 |
| D032 | Hexachlorobenzene | 8121 | 0.13 |
| D033 | Hexachlorobutadiene | 8021B 8121 8260B | 0.5 |
| D034 | Hexachloroethane | 8121 | 3.0 |
| D008 | Lead | 1311 | 5.0 |
| D009 | Mercury | 7470A 7471B | 0.2 |
| D035 | Methyl ethyl ketone | 8015B 8260B | 200.0 |

Sunco Disposal #1 Quarterly Laboratory Analytical List Page 2

| D036 | Nitmbenzene | 8091 8270D | 2.0 |
|-------|-----------------------|----------------|-------|
| D037 | Pentrachlorophenol | 8041 | 100.0 |
| 0018 | Pyradine | 8260B 8270D | 5.0 |
| D010 | Selenium | 1311 | lr.ó |
| DOLL | Silver | 1311 | 5.0 |
| D019 | Terraphioroethylene | 826013 | 0.7 |
| DBIO | Frichloroethylene | 8021B 8260B | - 0.5 |
| D0/11 | 2,4,5-Trichlorophenol | 82700 | 400.0 |
| D042 | 2.4.6 Trichlorophenol | 8041A 8270D | 2.0 |
| D043 | VinyLchloride | 8021B 8260B | 0.2 |

(I on m, mail recrease) concentrations cannot be differentiated, then the total creasel (DD26) concentration is used. The regulatory level of traci crease is 200 mg/L. If the quantitation limit is greater than the regulatory level, then the quantitation limit becomes the regulatory level. If greats (dissolved), the EPA 1311 TCLP Laboratory Method is required with the exception of Mercury (total).

ADDTIONALLY:

RCI, specific conductance, specific gravity, ORP, and general water quality parameters (general chemistry/cations and anions, including: fluoride, calcium, potassium, magnesium, sodium bicarbonate, cerbonate, chloride, sulfate, total dissolved solida, cation/anion balance, pH, and bromide) using the methods specified at 40 CFR 136.3.



Hall Envir mul Analyzas Labor 1901 Harekine NI. Altraguergae, Nid 87100 TE2, 505-745-3975 FAX: 505-345-4101

OrderNo,: 1710519

Heather Woods Rule Engineering LLC 501 Airport Dr., Ste 205 Farmington, NM 87401 TEL: (505) 325-1055 FAX:

RE: Agua Moss Sunco Disposal #1

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/10/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andyl

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analysis | Labors | atory, Ir | ıc. | | _ | Analytical Report Lab Order 1710519 Date Reported: | |
|---|--------|-----------|------|------------|----------|--|--------|
| CLIENT: Rule Engineering LLC Project: Agua Moss Sunco Disposal #1 Lab ID: 1710519-001 | Matrix | AQUEOU | | Collection | Date: 30 | 5 (R)(10/9/17) 9/2017 12:33:00 PM 10/2017 7:10:00 AM | |
| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 8081: PESTICIDES | | | _ | 10 | | Analyst | MAB |
| Chlardane | ND | 0.010 | | mg/L | | 10/10/2017 12:47:29 PM | 34375 |
| Sur: Decachlombipnenyl | 40.4 | 57 8-124 | s | %Find | 1.1 | 10/19/2017 12:47:20 PM | 34376 |
| Sur Tetrachioni-m-sylena | 49.5 | 43-114 | | NARO | 1 | 10/13/2017 12:47:29 PM | 34376 |
| EPA METHOD 80218: VOLATILES | | | | | | Analyst | NSB |
| Benziehe | 0 36 | 0.020 | | mg/L | 20 | 10/11/2017 3:05:58 PM | B4625 |
| Toluene | 1.6 | 0.020 | | mgl | 20 | 10/11/2017 3.05.58 PM | B46254 |
| Envibenzene | 0.1 | 0.020 | | mg/L | 20 | 10/11/2017 3:05:58 PM | 84625 |
| Kylenes, Total | 5.1 | 0.040 | | mpl | 20 | 10/11/2017 3:05-58 PM | B4525 |
| Surr. 4-Bromoliuprobrizone | 198.1 | 72.5-140 | | %Rec | 20 | 10/11/2017 3:05:58 PM | B40251 |

| QC SUMMARY Hall Environment | | | | ory, Inc. | - | | | | WOR | 1710519 02-Nov-1 |
|--------------------------------|-------------|----------|-----------|-------------|-----------|------------|--------------|--------|------------|---------------------|
| Ctient: Rule Em | gineering 1 | LC | | | | | | | | |
| Project: Agua M | oss Sunco | Disposi | 6.01 | | | | | | | |
| Sample ID: RB | Samp | Type: M | BLK | Ter | tCode E | PA Method | S0218: Vela | lles | | |
| Cilent ID PBW | Rain | 10 B | 6259 | | RunNo: A | 0340 | | | | |
| Prep Data: | | | 0/11/2017 | | SeqNo. 1 | | Units ug/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | HREC | Lostima | HighLimit | RPD | RPOLImit | Quili |
| Geriperie | ND | 1.0 | | | 0.112.0 | Carrieria | - construct | | Sta Destac | - Catalan |
| Toluttie | ND | 1.0 | | | | | | | | |
| Enyberane | ND | 10 | | | | | | | | |
| Kylema Tital | NO | 20 | | | | | | | | |
| Sur 4-Branduasbinaria | 19 | | 20.00 | | 05.3 | 72.5 | 140 | | | |
| Sample ID: 100NG BTEX LCS | s Samp | Type: Lo | :5 | Ter | tCode E | PA Melhod | 8021B: Volat | lize | _ | |
| Client ID: LCSW | Bato | h ID: BA | 6259 | | RunNo: 4 | 6259 | | | | |
| Prep Date: | Analysis I | Dato: 1 | 0/11/2017 | | SoqNo: 1 | 474046 | Units µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | WREC | LowLimit | HighLimit | KRPD | RPDLind | Quei |
| Bergane | 18 | 1.0 | \$0.00 | 0 | 91.9 | 717 | 126 | | | - |
| laturne | 19 | 1.0 | 20.00 | 0 | 92.7 | 73 3 | 119 | | | |
| Efflyibeitzene | 19 | 1.0 | 20.00 | 0 | 95.1 | 80 | 120 | | | |
| Kylenes, Total | 57 | 2.0 | 80.00 | 0 | 95.3 | 80 | 120 | | | |
| Sur: 4.Brono/uorotenzene | 20 | | 20,00 | | 99.5 | 72.5 | 140 | | | |
| Sample ID: 1710519-001AMS | Santo | Type: M | 5 | Tes | dCode El | PA Minihod | 80216; Volat | iles . | | |
| Client ID: S-5 (R)(10/9/17) | Ball | 6 ID. B | 6259 | 1 | RunNa 4 | 5259 | | | | |
| Prep Date: | Analysis I | Date: 1 | 0/11/2017 | | SegNo: 1 | 474050 | Units: µg/L | | | |
| Analyla | Result | PQL | | SPK Ref Val | SAREC | LowLinit | HighLimit | /sRPD | RPDUmit | Qual |
| Benzene. | 780 | 20 | 400,0 | 383.4 | 99.0 | 62.3 | 126 | | | |
| Toluene | 2000 | 20 | 400.0 | 1573 | 98.4 | 48.8 | 134 | | | |
| Ethy icerusine | 500 | 20 | 406.0 | 89.96 | 99.3 | 44.4 | 142 | | | |
| Cytemole, Todal | 2300 | 40 | 1200 | 1076 | 104 | 55.7 | 129 | | | |
| Sum 4-Bromoflugrobenzere | 400 | | 400.0 | 1 | 99.1 | 72.5 | 140 | | | |
| Sample ID: 1710619-001AMS | | ype M | | Tes | tCode: El | PA Method | 80218; Volat | lles. | | |
| Cirent ID 3-5 (R)(50/9/17) | Batz | D B4 | 5259 | | RunNa: 4 | 5259 | | | | |
| Prop Date: | Analysis C | hile. 1 | 0/11/2017 | 4 | SegNo: 1 | 474051 | Units Hg/L | | | |
| Analyte | Result | PQL | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| lentere | 740 | 20 | 400.0 | 363.4 | 94.7 | 62,3 | 126 | 2.31 | 20 | |
| Tolume | 1900 | 50 | 400.0 | 1573 | 90.9 | 48,6 | 134 | 1.55 | 20 | |
| TryCestaine | 490 | 20 | 400.0 | 99.96 | 96,7 | 44.4 | 142 | 211 | 20 | |
| Kylemes, Total | 2300 | -40 | 1200 | 1075 | 97.9 | 55.7 | 129 | 3.00 | 20 | |
| Suit 4 Bromofiuorobertrene | 390 | | 400.0 | | 97.5 | 72.5 | 140 | 0 | 0 | |

Refer to the QC Sammary report and sample login checklist for flagged QC data and preservation information.

Value exceeds Maximum Consummant Level
D Sample Diluted Data to Matrix
I Italiag and the in Matrix
I Italiag and the Reporting Limit
POI Not Detected in the Reporting Limit
POI Pointing Quantative Limit
5 MSRecovery ownide of mage due in clusters in mains

Qualifiers

D Analytic detected in the susceinted Method Black Value above quantitation image Analytic detected below quantitation limits Page Sample (14 Not Is Range Rig Reporting Detection Limit

ann limits Page T of 9

- W Sample centainer temperature is out of limit to specified

Qui 4 en

Qualifiers:
Value Extended Anvärenn Contaminant La
Sample Dihated Das ta Matrix
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Sample Dihated Das ta Matrix
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S % Recovery outside of range dae to dilati

int Lovel.

Analytic detected in the associated Method Blank B

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| QC SUMMAR Hall Environmen | | | | ory, Inc. | - | | | | WO#: | 1710519 02-Nov-17 |
|------------------------------|---------------------------------|-------|-----------|-------------|----------|-----------|-------------|-------|----------|----------------------|
| | Ingineering LL Moss Sunco Di | | d#1 | | | | | | | |
| Sample ID: MB-54376 | SampTyp | ar M | BUK | Tes | Code: E | PA Method | BOB1: PEST | CIDES | | |
| Client ID: PBW | Batch I | 0. 34 | 376 | | RunNo: 4 | 6352 | | | | |
| Prep Date: 10/12/2017 | Analysis Dal | 0. 1 | 0/13/2017 | - 1 A | SegNo: 1 | 476481 | Units: ug/L | | | |
| Analyte | Result | POL | SPK value | SPK Ret Val | WREC | LowLink | HighLimit | SRED | RPDLimit | Qual |
| Chiordena | ND | 1.0 | | | | | | | | |
| Ser: Decentize biphenyi | 5.0 | | 2,500 | | 62,3 | 57.4 | 124 | | | |
| Son Tetrachurchnargiere | 15 | | 2 500 | | 60.2 | 43 | 114 | - | | _ |
| Sample (D: LCS-GHLORDA | ANE-3 SampTyp | e Lo | S-Chlord | Tel | Code E | PA Method | BOBI: PESTA | CIDES | | |
| Cloni ID. BaichOC | Batch I | 0 54 | 376 | | tunNo: 4 | 6352 | | | | |
| Prep: Date: 10/12/2017 | Analysis Dat | 0: 1 | 0/13/2017 | 4 | iostio 1 | 476482 | Units ug/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | WREC | LowLimit | HighLimit | KRPD | RPDLink | Gual |
| Chlordane | 4.8 | 1.0 | 10.00 | 0 | 47.6 | 37.3 | 118 | | | - |
| Sur: Decembrobbleryl | 1.3 | | | | | | | | | |
| Sum Telrachloro-m-rylena | 1.0 | _ | | | | | | _ | | _ |
| Sample ID LCSD-CHLORD | ANE- SampTyp | e: Èć | S-CHLOR | Tes | Cade E | PA Method | BORT: PEST | CIDES | | |
| Client ID: BatchQC | Batch I | 2. 34 | 376 | | tunNo 4 | 6352 | | | | |
| Prop Date: 10/12/2017 | Analysis Dat | ė. 1 | 0/13/2017 | | iegNo. 1 | 476507 | Unita: µg/L | | | |
| Analyte | Result | POL | SPK value | SPK Ret Val | MREC | LowLimit | HighLimit | WRPD | RPDLimit | Qual |
| Chiomane | 6.5 | 7.0 | 10.00 | 0 | 65.0 | 37.3 | 118 | 30.9 | 0 | - |
| Sart Decationbiohenvi | 1.0 | | | | | | | 10 | | |
| Sum Tetachloro-minylens | 1.3 | | | | | | | | | |

| Record Tum-Around Time: Hall ENVIRONMENTAL C X Standord Rush C X Standord Rush | La 200 Anua Mass & Suma Directed H | 000000 | 12 | Project Manager Project Manager H.A.M.hur (Upred S MS) MS) 0.04, 500, 0.04, 500, 0, | Sampler: Heat/Luc (uppers) (11, 11, 11, 11, 11, 11, 11, 11, 11, 11 | A 100 1 1 100 4 1 1 10 1 10 10 10 10 10 10 10 10 10 10 | 1.1.48 | LANDUG Non 201 | (3) your von HcL Cul X | | | | Under Ander Ander Internation Direct Bill to Agua Mass Under Under Under 10/9/17, 1871 Coasts par Andy Moust Andre Agua Mass |
|--|------------------------------------|-------------|-------------------------|--|--|--|---------------|--------------------------|------------------------|---|--|--|--|
| Chain-of-Custody Record | Mailing Address, 501 Octobert, No. | IN NM 61401 | Phone #: (505) 711-2787 | email of Fact: histordes Crudenginuering com อควอราชสมนะ & Standard | D Other | | Matrix Sample | 1233 Wat 5-5(R)(18/9/17) | | | | | Reservated by Histle M. Whon Mindry I NOUN |
| Chain- | Mailing Address. | Forming | Phone #: (505 | email or Fax# hu QA/OC Package: W Standard | Acceditation | TI EDD (Type) | Time | 1233 1/4/11 | | 1 | | | Date Time R |

- flers: Value excessls Maximum Contain Sample Diffued Due to Matrix Holding times for preparation or a
- Not Descoted at the Reporting Limit NIT:
- POL Practical Quanitative Limit
- Th Redo ary outside of range due to dis
- Value showe quantitation range Analyse detected below quantita Sample pH Not in Rang Report ing Detection Lima

Page 2 of 0

out of Hanit as a

Analyte detected in the as

EIIIC Engineering, LLC Solutions to Regulations for Industry

January 18, 2018

Ms. Shacie Murray Aqua Moss LLC P.O. Box 600 Farmington, New Mexico 87499

Sunco Disposal #1 Re: Injection Water Quarterly Monitoring 4th Quarter 2017

Dear Ms. Murray:

This report summarizes the sample collection, field screening, and laboratory analysis of the injection water at the Agua Moss LLC Sunco Disposal #1 well for the 4th Quarter 2017. Injection water of the Class I Sunco Disposal #1 well is assessed on a quarterly basis in accordance with 20.6.5207(B) NMAC.

Field Activities

Rule Engineering, LLC (Rule) personnel collected one injection water sample (S-6) from the process line inside the pump building at the location on December 7, 2017. Injection water was discharged directly from the valve of the process line into laboratory sample containers and a clean container for field screening.

Sample Collection and Field Screening Procedures The injection water sample (S-6) was field screened for time sensitive parameters including pH, temperature, reduction potential (Eh), specific conductance, and total dissolved solids (TDS). Field screening was conducted utilizing a handheld water quality meter calibrated on the day of use with laboratory grade standards.

The sampled injection water was placed into laboratory supplied containers. Labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Field Screening and Laboratory Analytical Results

The field screening and laboratory analytical results are summarized in the attached Table 1

Benzene concentration for sample S-6 was reported as 1.1 mg/L, which exceeds the Toxicity Characteristic Concentration of 0.5 mg/L. However, only RCRA Subtitle C exempt oilfield waste is accepted at the facility and elevated concentrations of benzene can be expected.

1055 Kipling Street, Lakewood, CO 80215 / 501 Airport Drive #205, Farmington, NM 87401 (303) 431-8500 : Fax: (303) 431-3750 : www.ruleengineering.com : (505) 325-1055

Ms. Shacie Murray Sunco Disposal #1: Injection Water Monitoring – 4th Qtr 2017 January 18, 2018 Page 2 of 2

QA/QC Considerations

Field measurements for time sensitive parameters including pH, temperature, reduction potential, and specific conductance more accurately reflect the characteristics of the injection water than laboratory results for these parameters due to their rapidly changing nature when removed from the stable environment of the process line. The hold time qualifier is indicated on the laboratory report for pH as the hold time of 15 minutes from collection was exceeded during transport prior to analysis. Similarly, the hold time was exceeded for reduction potential and corrosivity by pH.

A dilution due to matrix gualifier is indicated on the laboratory report for total dissolved solids

The recovery of a surrogate spike for chlordane was below the anticipated percentage range due to dilution or matrix interference and above the anticipated percentage range due to dilution or matrix interference for reactive cyanide.

Closure and Limitations

This report is prepared for the exclusive use of Agua Moss LLC and is subject to the terms, conditions, and limitations stated in Rule's report and Service Agreement with Agua Moss LLC. All work has been performed in accordance with generally accepted professional environmental consulting practices. No other warranty is expressed or implied.

Rule Engineering appreciates the opportunity to provide services to Agua Moss LLC. If you have any questions, please contact me at (505) 325-1055.

Sincerely, Rule Engineering, LLC

Heather M. Woods Heather M. Woods, P.G. Area Manager/Geologist

Attachments:

Table 1. Summary of Field Screening and Laboratory Analytical Results Laboratory Analytical Reports (Hall: 1712479)

isuie

| 12/7/2 | 017 | | Toxicity |
|---|---------------|--|----------------------------------|
| Laboratory Results | Field Results | Units | Characteristic Concentration: |
| 7.06 H | 7.07 | SU | ooncentration |
| | 10.7 | *C | |
| 228 H | -224.6 | mV | |
| 73,000 | 52,047 | µmhos/cm | |
| 1.025 | - | | |
| 39,200 D | 33,832 | mg/L | |
| 740.3 | | mg/L | |
| <2.000 | | mg/L | |
| <2.0 | | mg/L | |
| 25,000 | | mg/L | |
| 37 | | mg/L | |
| | | mg/L | |
| | | mg/L | |
| | | | |
| 5,100 | | mg/L | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | mg/L | |
| | | | |
| | | | 5.0 ma/L |
| | | | 5.0 mg/L 100.0 mg/L |
| | | | 0.5 mg/L |
| | | | 1.0 mg/L |
| | | | 0.5 mg/L |
| | | | 0.03 mg/L |
| | | | 100.0 mg/L |
| | | | 6.0 mg/L |
| 0.087 | | | 5.0 mg/L |
| <200 | | | 200 mg/L |
| <7.5 | | | 7.5 mg/L |
| < 0.50 | | mg/L | 0.5 mg/L |
| <0.70 | | mg/L | 0.7 mg/L |
| <0.13 | | mg/L | 0.13 mg/L |
| <0.13 | | mg/L | 0.13 mg/L |
| < 0.50 | | mg/L | 0.5 mg/L |
| <3.0 | | mg/L | 3.0 mg/L |
| 0.038 | | mg/L | 5.0 mg/L |
| | | | 0.2 mg/L |
| | | mg/L | 200.0 mg/L |
| | | mg/L | 2.0 mg/L |
| | | | 100.0 mg/L |
| | | | 5.0 mg/L |
| | | | 1.0 mg/L |
| | | | 5.0 mg/L |
| | | | 0.7 mg/L |
| | | | 0.5 mg/L |
| | | | 400.0 mg/L |
| | | | 2.0 mg/L |
| | | mg/L | 0.2 mg/L |
| °C - degrees Celcius °F - degrees Farenheit mV - millivolts | | | |
| | 7.06 H | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | 7.07 su |

H - Holding times for preparation or analysis exceeded D - Sample diluted due to matrix S - % Recovery outside of range due to dilution or matix

1.00 Concentration exceeds the Toxicity Characteristic Conce

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1 of 1



| DOM/DONE | to megunete | one for indu | MIY. | |
|----------|-------------|--------------|------|--|
| | | | | |
| | | | | |

| Hall E | nviro | nmental Analysis | Labora | tory, Iı | 1c. | | | Analytical Report Lab Order 1712479 Date Reported: | |
|-------------|-------------|--|---------------------------------------|-------------|----------|--|---------------------------------------|--|---------|
| LIENT | Rule F | Engineering LLC | | | (| lient Sample | ID: S.e | 5(12/7/17 | |
| | | | | | `` | | | | |
| Project: | | Disposal 1 | | | | | | 7/2017 10:36:00 AM | |
| Lab ID: | 17124 | 79-001 | Matrix: | AQUEOU | IS | Received D: | ate: 12/ | 8/2017 7:55:00 AM | |
| Analyses | | | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
| EPA MET | THOD 8 | 081: PESTICIDES TCLP | | | | | | Analyst | MAB |
| Chlordar | ne | | ND | 0.15 | | mg/L | 1 | 12/15/2017 2:13:50 PM | 35478 |
| Surr: I | Decachlo | probiphenyl | 118 | 57.8-124 | | %Rec | 1 | 12/15/2017 2:13:50 PM | 35478 |
| Surr: | Tetrachlo | pro-m-xylene | 120 | 43-114 | S | %Rec | 1 | 12/15/2017 2:13:50 PM | 35478 |
| EPA MET | THOD 8 | 270C TCLP | | | | | | Analyst | DAM |
| 2-Methyl | Iphenol | | ND | 200 | | mg/L | 1 | 12/15/2017 2:58:12 PM | 35503 |
| 3+4-Met | | h | ND | 200 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| Phenol | | | ND | 200 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| 2.4-Dinit | trotoluen | 8 | ND | 0.13 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| Hexachl | orobenze | ne | ND | 0.13 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| Hexachle | orobutad | iene | ND | 0.50 | | mg/L | 1 | 12/15/2017 2:58:12 PM | 35503 |
| Hexachle | oroethan | e. | ND | 3.0 | | mg/L | 1 | 12/15/2017 2:58:12 PM | 35503 |
| Nitroben | | - | ND | 20 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| Pentach | lorophen | al | ND | 100 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| Pvridine | | | ND | 5.0 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| 2,4,5-Tri | | enol | ND | 400 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| 2,4,6-Tri | | | ND | 2.0 | | mg/L | 1 | 12/15/2017 2:58:12 PM | |
| Cresols. | | | ND | 200 | | ma/L | 1 | 12/15/2017 2:58:12 PM | |
| | 2-Fluoror | ohenol | 37.7 | 15-124 | | %Rec | 1 | 12/15/2017 2:58:12 PM | |
| | Phenol-d | | 31.9 | 15-118 | | %Rec | 1 | 12/15/2017 2:58:12 PM | |
| | | bromophenol | 73.1 | 15-148 | | %Rec | 1 | 12/15/2017 2:58:12 PM | |
| | Nitroben: | | 59.2 | 40 6-124 | | %Rec | 1 | 12/15/2017 2:58:12 PM | |
| | 2-Fluorol | | 57.0 | 35.7-128 | | %Rec | 1 | 12/15/2017 2:58:12 PM | 35503 |
| | 4-Terphe | | 45.2 | 18.8-115 | | %Rec | 1 | 12/15/2017 2:58:12 PM | |
| SPECIFI | | /ITY | | | | | | Analyst | JRR |
| Specific | | | 1.025 | C | | | 1 | 12/19/2017 12:14:00 PM | |
| | | 00.0: ANIONS | | | | | | Analyst | |
| Fluoride | | | ND | 2.0 | | mg/L | 20 | 12/8/2017 4:20:33 PM | R4766 |
| Chloride | | | 25000 | 1000 | | mg/L | 20 2E | 12/28/2017 1:11:33 AM | |
| Bromide | | | 37 | 2.0 | | mg/L | 20 | 12/8/2017 4:20:33 PM | R4766 |
| | | hophosphate (As P) | ND | 2.5 | | mg/L | 5 | 12/8/2017 4:08:08 PM | R4766 |
| Sulfate | 5103, 010 | iopriospriate (As 1) | 170 | 2.5 | | mg/L | 5 | 12/8/2017 4:08:08 PM | R4766 |
| Nitrate+1 | Nitrite as | N | ND | 20 | | mg/L | - | 12/28/2017 1:23:58 AM | |
| SM2510E | B: SPEC | FIC CONDUCTANCE | | | | 0 | | Analyst | |
| Conduct | livity | | 73000 | 250 |) | µmhos/cm | 50 | 12/14/2017 12:22:59 AM | / R4780 |
| SM2320E | B: ALKA | ALINITY | | | | | | Analyst | JRR |
| Bicarbor | nate (As | CaCO3) | 740.3 | 20.00 | | mg/L CaCO3 | 1 | 12/11/2017 4:41:02 PM | R4772 |
| Carbona | | | ND | 2.000 | | mg/L CaCO3 | 1 | 12/11/2017 4:41:02 PM | |
| | | ie QC Summary report an | | gin checkli | st for f | | a and p | reservation information | n |
| Qualifiers: | * D H | Value exceeds Maximum Cor Sample Diluted Due to Matrix Holding times for preparation | ntaminant Levo c or analysis ex | el. | | B Analyte det E Value abov J Analyte det | ected in t e quantita ected bel | he associated Method Blank ation range ow quantitation limits Page | |
| | | | or analysis ex | ceeded | | | ected bel | ow quantitation limits Pag | 6 |

PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

RL Reporting Detection Limit W Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

nuarv 18. 20<u>1</u>8

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1712479

Heather Woods Rule Engineering LLC 501 Airport Dr., Ste 205 Farmington, NM 87401 TEL: (505) 325-1055 FAX

RE: Sunco Disposal 1

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/8/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. provided if the sample analysis of analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190 Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analys | sis Labora | atory, Inc | 2. | | | Analytical Report Lab Order 1712479 Date Reported: | |
|--|---------------|------------------|--------|---------------|---------|--|--------|
| CLIENT: Rule Engineering LLC Project: Sunco Disposal 1 .ab ID: 1712479-001 | Matrix: | AQUEOUS | | | te: 12/ | (12/7/17 7/2017 10:36:00 AM 8/2017 7:55:00 AM | |
| Analyses | Result | PQL (| Qual | Units | DF | Date Analyzed | Bate |
| SM2320B: ALKALINITY | | | | | | Analyst | JRR |
| Total Alkalinity (as CaCO3) | 740.3 | 20.00 | | mg/L CaCO3 | 1 | 12/11/2017 4:41:02 PM | R47 |
| SM2540C MOD: TOTAL DISSOLVED | | | | | | Analyst | |
| | | | | | | , | |
| Total Dissolved Solids | 39200 | 200 | *D | mg/L | 1 | 12/13/2017 9:25:00 AM | 3544 |
| SM4500-H+B: PH | | | | | | Analyst | : JRR |
| pH | 7.06 | | н | pH units | 1 | 12/11/2017 4:41:02 PM | R47 |
| EPA METHOD 7470: MERCURY | | | | | | Analyst | ME |
| Mercury | 0.0016 | 0.00020 | | mg/L | 1 | 12/27/2017 2:44:45 PM | |
| | | | | | | | |
| EPA METHOD 6010B: DISSOLVED M | | | | | | Analyst | |
| Calcium | 5100 | 100 | | mg/L | | 1/4/2018 2:24:41 PM | A48 |
| Magnesium | 290 | 5.0 | | mg/L | 5 | 1/2/2018 10:05:49 AM | A48 |
| Potassium | 1000 | 100 | | mg/L | | 1/4/2018 2:24:41 PM | A48 |
| Sodium | 6500 | 100 | | mg/L | 100 | 1/4/2018 2:24:41 PM | A48 |
| EPA 6010B: TOTAL RECOVERABLE | METALS | | | | | Analyst | : ME |
| Arsenic | 0.16 | 0.040 | | mg/L | 2 | 1/3/2018 10:41:06 AM | 354 |
| Barium | 19 | 1.0 | | mg/L | 50 | 1/3/2018 10:42:45 AM | 354 |
| Cadmium | ND | 0.0020 | | mg/L | 1 | 12/14/2017 10:04:27 Al | |
| Chromium | 0.087 | 0.0060 | | mg/L | 1 | 12/14/2017 10:04:27 AI | |
| Lead | 0.038 | 0.010 | | mg/L | 2 | 1/3/2018 10:41:06 AM | 354 |
| Selenium | 0.24 | 0.10 | | mg/L | 2 | 1/5/2018 12:53:07 PM | 354 |
| Silver | 0.035 | 0.0050 | | mg/L | 1 | 12/14/2017 10:04:27 AI | vi 354 |
| TCLP VOLATILES BY 8260B | | | | | | Analyst | RA |
| Benzene | 1.1 | 0.50 | | mg/L | 200 | 12/12/2017 3:00:00 AM | T47 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 200 | 12/12/2017 3:00:00 AM | T47 |
| 2-Butanone | ND | 200 | | mg/L | 200 | 12/12/2017 3:00:00 AM | T47 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 200 | 12/12/2017 3:00:00 AM | T47 |
| Chloroform | ND | 6.0 | | mg/L | | 12/12/2017 3:00:00 AM | |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | | 12/12/2017 3:00:00 AM | |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | | 12/12/2017 3:00:00 AM | |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | | 12/12/2017 3:00:00 AM | |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | | 12/12/2017 3:00:00 AM | |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | | 12/12/2017 3:00:00 AM | |
| Vinyl chloride | ND | 0.20 | | mg/L | | 12/12/2017 3:00:00 AM | |
| Chlorobenzene Surr: 1.2-Dichloroethane-d4 | ND 111 | 100 70-130 | | mg/L %Rec | | 12/12/2017 3:00:00 AM 12/12/2017 3:00:00 AM | |
| Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene | 111 | 70-130 70-130 | | %Rec %Rec | | 12/12/2017 3:00:00 AM 12/12/2017 3:00:00 AM | |
| Surr: Dibromofluoromethane | 101 | 70-130 | | %Rec | | 12/12/2017 3:00:00 AM | |
| | | | | | | | |
| Refer to the QC Summary report | and sample lo | gin checklist | for fl | agged QC data | and pr | eservation informatio | n. |

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

 B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits
 Page 2 of 16

 P
 Sample pH Not In Range

RL Reporting Detection Limit W Sample container temperature is out of limit as specified

| Hall Environmental Analy | sis Labora | tory, Inc. | | Analytical Report Lab Order 1712479 Date Reported: |
|--|------------|------------|------------|--|
| CLIENT: Rule Engineering LLC Project: Sunco Disposal 1 Lab ID: 1712479-001 | Matrix: | AQUEOUS | Collection | De ID: S-6 (12/7/17 Date: 12/7/2017 10:36:00 AM Date: 12/8/2017 7:55:00 AM |
| Analyses | Result | PQL Qua | l Units | DF Date Analyzed Batch |
| TCLP VOLATILES BY 8260B Surr: Toluene-d8 | 97.6 | 70-130 | %Rec | Analyst: RAA 200 12/12/2017 3:00:00 AM T4769 |

1712479-001G S-6(12/7/17) Collected date/time: 12/07/17 10:36

SAMPLE RESULTS - 01

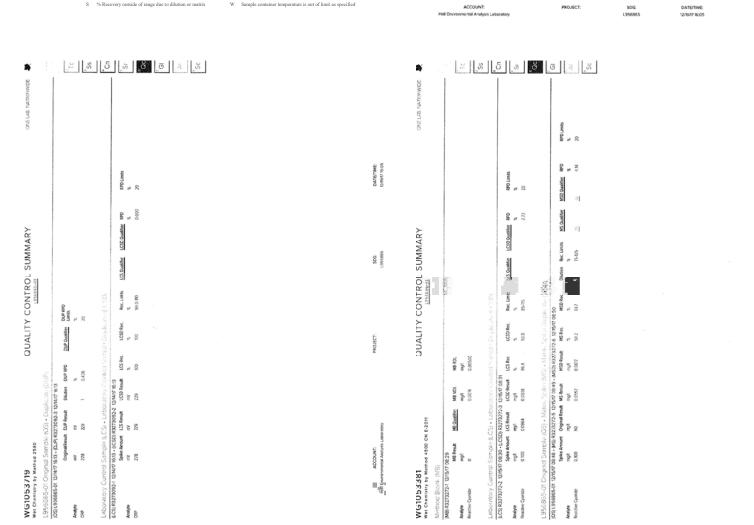
ONE LAB. NATIONWIDE.

| Wet Chemistry by | Method 2580 | | | | | | |
|-------------------------|---------------|-----------|----------|------------------|------------------|-----------|-------|
| | Result | Qualifier | Dilution | Analysis | Batch | | |
| Analyte | mV . | | | date / time | | | F**** |
| CRP | 228 | 16 | 1 | 12/14/2017 16:13 | wG1053719 | | Te |
| Wet Chemistry by | Method 4500 | CN E-2011 | | | | | Ss |
| | Result | Qualifier | RDL | Dilution | Analysis | Belch | |
| Analyte | ngA | | ng1 | | date / time | | °Cr |
| Reactive Cyanide | ND | 10 | 0.00500 | 1 | 12/15/2017 08:48 | WG1253381 | |
| Wet Chemistry by | Method 4500F | + B-2011 | | | | | *Sr |
| | Result | Qualifier | Oilution | Analysis | Batch | | |
| Analyte | SU | | | date / time | | | 0 |
| Corresivity by pH | 6.89 | TB | 1 | 12/13/2017 11:90 | W61052727 | | |
| Sample Narrative: | | | | | | | G |
| L956865-01 WG1052727; 6 | 5.89 at 11.6C | | | | | | - C |
| Wet Chemistry by | Method 9034-9 | 030B | | | | | |
| | Result | Qualifier | RDL | Oilution | Analysis | Batch | Sc |
| Analyte | ng1 | | mg/l | | date / time | _ | |
| Reactive Sulfide | ND | | 0.0500 | 1 | 12/13/2017 16:54 | W5/053534 | |
| Wet Chemistry by | Method D93/10 | IQA | | | | | |
| | Result | Qualifier | Dilution | Analysis | Batch | | |
| Analyte | deg F | | | date / time | | | |
| Flashpoint | DNF at 170 | | 1 | 12/15/2017 11:35 | AG0053532 | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits Page 3 of 16
 Sample pH Not In Range
 W Sample container temperature is out of limit as specified
- Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND. Not Detected at the Reporting Limit
 POL. Practical Quantitive Limit
 % Recovery outside of range due to dilution or matrix

Qualifiers:

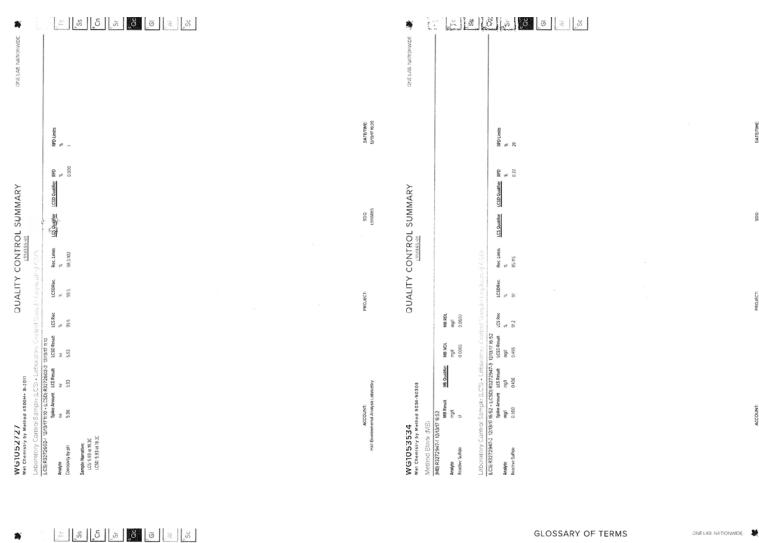


DATE/TIME: 2/19/17 16:05

508: L956865

PROJECT:

ACCOUNT:



DATE/TIME: 12/19/17 16:05

SD3:

PROJECT:

ACCOUNT:

ACCOUNT: nental Analysis Labo

Hall Enviro

ONE LAB. NATHONWIDE. RPD Limits % 648 % LCSD Qualifier QUALITY CONTROL SUMMARY LCS Qualifier Rec. Limits % DUP RPD Limits % LCSD Rec. 4. 99.6 DUP Quelifier 1 1 39.6 Original Reuth DiPReath Division DUPRPO deg F drg F 1 1 17 17:35 - (LCSD) R3273409-2 12/15/17 11:35 Spike Amount UCS Rosult LCSD Result U 069 F 069 F 069 F 3 82.0 817 81.3 9 L957491-02 Original Sample (OS) • Duplicate IDI IO5149549102 12/5/49102 12/5/77 1:35 • [DUP] 83273409-3 12/5/77 1:35 iample (LCS) -WG1053532 Wet Chemistry by Method D93/1010A Leborntory Control LCS) R3273409-1 12/15/07

Analyte Flashpoint

Analyte Flashpoint

DATE/TIME: 12/19/17 16:05

SDG: L956865

DATE/TIME: 2/19/17 16:05

SDG: 956855

ROJECT:

ACCOUNT:

| The information below intended as a compreh | is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not ensive explanation, and if you have additional guestions please contact your project representative. |
|--|--|
| Abbreviations an | |
| MDL | Method Detection Limit |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be dated for analysis, if a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the resu reported. If a Qualifier's present, a definition per Qualifier is provided within the Giossay and Definitions page and potentially a discussion of possible implications of the Qualifier in the Qualifier in the Qualifier and popilable. |
| Result | The actual analysical final result (concreted for any sample specific characteristics) reported for your sample). If there was no measurable sub-star flaturated for a specific analysis for result in this cubinni may state 1%07 (allow Descisted or 1%07, (Below Detectable Levels). The information in the result is cubinni should always be accompanied by either an MD, control to the start of the or report for this samply(or). |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narialize to discuss tile memming all any data guardities used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated a matrixi. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to werly that time and date of collection, the person collecting the samples, and the analyses that the lacentity a recursted to perform. This chain of custody also documents all persons (socialing commercial shippers) that have had control or possession of the samples from the time of collection until celevery to be laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each enalysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates are times of preparation and/or analysis. |
| Qualifier | Description |
| 16 | The sample matrix interfered with the ability to make any accurate determination: spike value is low. |
| | the service method in the owny to make any accurate determination, spike value is low. |

PROJECT:

WO#: 1712479 Hall Environmental Analysis Laboratory, Inc. 10-Jan-18

| Client: Rule En | gineering L | LC | | | | | | | | |
|----------------------------------|-------------|----------|-----------|-------------|-----------|-----------|---------------|------|----------|------|
| Project: Sunco I | Disposal 1 | | | | | | | | | |
| Sample ID MB | SampT | ype: ml | blk | Tes | tCode: El | PA Method | 300.0: Anion: | 5 | | |
| Client ID: PBW | Batch | D: R4 | 7664 | F | tunNo: 4 | 7664 | | | | |
| Prep Date: | Analysis D | ate: 1 | 2/8/2017 | S | eqNo: 1 | 523111 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Fluoride | ND | 0.10 | | | | | | | | |
| Bromide | ND | 0.10 | | | | | | | | |
| Phosphorus, Orthophosphate (As P | ND | 0.50 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |
| Sample ID LCS | SampT | ype: Ic: | 5 | Tes | tCode: El | PA Method | 300.0: Anion: | 5 | | |
| Client ID: LCSW | Batch | n ID: R4 | 7664 | F | tunNo: 4 | 7664 | | | | |
| Prep Date: | Analysis D | ate: 1 | 2/8/2017 | 5 | eqNo: 1 | 523112 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Fluoride | 0.51 | 0.10 | 0.5000 | 0 | 103 | 90 | 110 | | | |
| Bromide | 2.5 | 0.10 | 2.500 | 0 | 100 | 90 | 110 | | | |
| Phosphorus, Orthophosphate (As P | 5.1 | 0.50 | 5.000 | 0 | 102 | 90 | 110 | | | |
| Sulfate | 10 | 0.50 | 10.00 | 0 | 99.9 | 90 | 110 | | | |
| Sample ID MB | SampT | ype: ml | blk | Tes | tCode: El | PA Method | 300.0: Anion: | 5 | | |
| Client ID: PBW | Batch | D: A4 | 8068 | F | tunNo: 4 | 8068 | | | | |
| Prep Date: | Analysis D | ate: 1 | 2/27/2017 | 5 | eqNo: 1 | 540761 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |
| Sample ID LCS | SampT | ype: Ic: | 5 | Tes | tCode: El | PA Method | 300.0: Anion: | 5 | | |
| Client ID: LCSW | Batch | D: A4 | 8068 | F | tunNo: 4 | 8068 | | | | |
| Prep Date: | Analysis D | ate: 1 | 2/27/2017 | 5 | eqNo: 1 | 540762 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 4.8 | 0.50 | 5.000 | 0 | 95.9 | 90 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.5 | 0.20 | 3 500 | 0 | 101 | | 110 | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | | gineering LL visposal 1 | .С | | | | | | | | |
|---------------------|----------------|----------------------------|---------|-----------|--------------|-----------|-----------|----------------|----------|----------|------|
| | LCS-35478 | SampTy | pe: LC | s | Tes | tCode: El | PA Method | 8081: Pesticio | des TCLP | | |
| Client ID: | LCSW | Batch | ID: 35 | 478 | F | RunNo: 4 | 7820 | | | | |
| Prep Date: | 12/13/2017 | Analysis Da | ate: 12 | 2/15/2017 | s | SeqNo: 1 | 529812 | Units: %Rec | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: Decach | lorobiphenyl | 0.0031 | | 0.002500 | | 126 | 57.8 | 124 | | | S |
| Surr: Tetrach | nloro-m-xylene | 0.0025 | | 0.002500 | | 102 | 43 | 114 | | | |
| Sample ID | LCSD-35478 | SampTy | pe: LC | SD | Tes | tCode: El | PA Method | 8081: Pesticio | des TCLP | | |
| Client ID: | LCSS02 | Batch | ID: 35 | 478 | RunNo: 47820 | | | | | | |
| Prep Date: | 12/13/2017 | Analysis Da | ate: 12 | 2/15/2017 | s | SeqNo: 1 | 529814 | Units: %Rec | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: Decach | nlorobiphenyl | 0.0029 | | 0.002500 | | 117 | 57.8 | 124 | 0 | 0 | |
| Surr: Tetrach | nloro-m-xylene | 0.0024 | | 0.002500 | | 95.9 | 43 | 114 | 0 | 0 | |
| Sample ID | MB-35478 | SampTy | pe: MB | BLK | Tes | tCode: Ef | PA Method | 8081: Pesticio | des TCLP | | |
| Client ID: | PBW | Batch | ID: 35 | 478 | F | RunNo: 4 | 7820 | | | | |
| Prep Date: | 12/13/2017 | Analysis Da | ate: 12 | 2/15/2017 | S | SeqNo: 1 | 529816 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chlordane | | ND | 0.030 | | | | | | | | |
| Surr: Decach | nlorobiphenyl | 0.0021 | | 0.002500 | | 85.0 | 57.8 | 124 | | | |
| Surr: Tetrach | nloro-m-xvlene | 0.0017 | | 0.002500 | | 66.6 | 43 | 114 | | | |

Client:

Project:

Sample ID 100ng Ics2

Client ID: LCSW

Prep Date:

Analyte Benzene 1,1-Dichloroethene Trichloroethene (TCE)

Chlorobenzene chiorobenzene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8

 Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

0.011 0.010 0.011 0.0099

SampType: LCS

Batch ID: T47690

Analysis Date: 12/12/2017

ND 0.50 0.02000 ND 100 0.02000

0.02000 0.01000 0.01000 0.01000 0.01000

Rule Engineering LLC

Sunco Disposal 1

Analyté detected in the associated Méthod I
 Value above quantitation range
 J Analyté detected below quantitation limits
 P Sample pH Not In Range
 R. Reporting Detection Limit
 W Sample container temperature is out of limit

B Analyte detected in the associated Method Blank

TestCode: TCLP Volatiles by 8260B

RunNo: 47690 SeqNo: 1524101 Units: mg/L

0 0 107 105

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 ND
 0.50
 0.02000
 0
 111
 70
 130

 ND
 0.70
 0.02000
 0
 115
 70
 130

Page 4 of 16

WO#:

Page 6 of 16

1712479

10-Jan-18

- ure is out of limit as specified

 Qualifiers:
 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix
 Heading times for preparation or analysis exceeded

 ND
 Next Detected at the Reporting Limit
 Detected at the Reporting Limit

- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
 E Value above quantitation range

Page 5 of 16

WO#:

Page 7 of 16

1712479

10-Jan-18

J Analyte detected below quantitation limits P Sample pH Not In Range

RL Reporting Detection Limit W Sample container temperat

ature is out of limit as specified

QC SUMMARY REPORT Hall Environmental Analysis Lab

| Hall | Environmental | Analysis | Laboratory, | Inc. |
|------|---------------|----------|-------------|------|
| | | | | |

| | ngineering Ll Disposal 1 | LC | | | | | | | | |
|--|---|-----------------------------|--|--------------------------------|---|--|---|-----------------------------------|---------------------------|------|
| Sample ID 1712479-001am | s SampT | ype: MS | \$ | Test | Code: T | CLP Volatil | es by 8260B | | | |
| Client ID: S-6 (12/7/17 | Batch | ID: T4 | 7690 | R | unNo: 4 | 7690 | | | | |
| Prep Date: | Analysis D | ate: 12 | 2/12/2017 | S | eqNo: 1 | 524104 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 1,2-Dichloroethane-d4 | 2.2 | | 2.000 | | 112 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 2.0 | | 2.000 | | 101 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 2.1 | | 2.000 | | 107 | 70 | 130 | | | |
| Surr: Toluene-d8 | 2.0 | | 2.000 | | 98.3 | 70 | 130 | | | |
| Sample ID 1712479-001am | sd SampT | ype: MS | D | Test | Code: T | CLP Volatil | es by 8260B | | | |
| Client ID: S-6 (12/7/17 | Batch | ID: T4 | 7690 | R | unNo: 4 | 7690 | | | | |
| Prep Date: | Analysis D | ate: 11 | 2/12/2017 | S | eqNo: 1 | | | | | |
| | | uto. 12 | 12/2011 | - | ioqivo. I | 524105 | Units: mg/L | | | |
| Analyte | Result | PQL | | SPK Ref Val | %REC | LowLimit | Units: mg/L HighLimit | %RPD | RPDLimit | Qual |
| | | | | | | | 0 | %RPD 5.48 | RPDLimit 20 | Qual |
| Benzene | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | | | Qual |
| Benzene I,1-Dichloroethene | Result 4.5 | PQL 0.50 | SPK value 4.000 | SPK Ref Val 1.135 | %REC 84.5 | LowLimit 70 | HighLimit 130 | 5.48 | 20 | Qual |
| Benzene I,1-Dichloroethene Frichloroethene (TCE) | Result 4.5 3.6 | PQL 0.50 0.70 | SPK value 4.000 4.000 | SPK Ref Val 1.135 0 | %REC 84.5 89.5 | LowLimit 70 70 | HighLimit 130 130 | 5.48 5.81 | 20 20 | Qual |
| Benzene I,1-Dichloroethene Frichloroethene (TCE) | Result 4.5 3.6 3.4 | PQL 0.50 0.70 0.50 | SPK value 4.000 4.000 4.000 | SPK Ref Val 1.135 0 0 | %REC 84.5 89.5 84.5 | LowLimit 70 70 70 | HighLimit 130 130 130 | 5.48 5.81 4.48 | 20 20 20 | Qual |
| Analyte 3enzene fichloroethene fichloroethene (TCE) Chlorobenzene Surr: 12-Dichloroethane-d4 Surr: 4-Bromofiluoroberzene | Result 4.5 3.6 3.4 3.3 | PQL 0.50 0.70 0.50 | SPK value 4.000 4.000 4.000 4.000 | SPK Ref Val 1.135 0 0 | %REC 84.5 89.5 84.5 83.4 | LowLimit 70 70 70 70 | HighLimit 130 130 130 130 130 | 5.48 5.81 4.48 5.44 | 20 20 20 20 | Qual |
| Benzene I,1-Dichloroethene Frichloroethene (TCE) Chlorobenzene Surr: 1,2-Dichloroethane-d4 | Result 4.5 3.6 3.4 3.3 2.2 | PQL 0.50 0.70 0.50 | SPK value 4.000 4.000 4.000 4.000 2.000 | SPK Ref Val 1.135 0 0 | %REC 84.5 89.5 84.5 83.4 112 | LowLimit 70 70 70 70 70 70 | HighLimit 130 130 130 130 130 130 | 5.48 5.81 4.48 5.44 0 | 20 20 20 20 0 | Qual |

| Sample ID rb2 | SampT | ype: ME | BLK | Tes | tCode: T | CLP Volatil | es by 8260B | | | |
|-----------------------------|------------|----------|-----------|----------------|----------|-------------|-------------|--------|----------|-------|
| Client ID: PBW | Batcl | h ID: T4 | 7690 | F | RunNo: 4 | 7690 | | | | |
| Prep Date: | Analysis E | ate: 12 | 2/12/2017 | 5 | SeqNo: 1 | 524102 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.50 | ornenado | or render that | Joi a Co | LOWLINK | rigitzitit | 701010 | To Denni | acuti |
| 1.2-Dichloroethane (EDC) | ND | 0.50 | | | | | | | | |
| 2-Butanone | ND | 200 | | | | | | | | |
| Carbon Tetrachloride | ND | 0.50 | | | | | | | | |
| Chloroform | ND | 6.0 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 7.5 | | | | | | | | |
| 1,1-Dichloroethene | ND | 0.70 | | | | | | | | |
| Hexachlorobutadiene | ND | 0.50 | | | | | | | | |
| Tetrachloroethene (PCE) | ND | 0.70 | | | | | | | | |
| Trichloroethene (TCE) | ND | 0.50 | | | | | | | | |
| Vinyl chloride | ND | 0.20 | | | | | | | | |
| Chlorobenzene | ND | 100 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.011 | | 0.01000 | | 112 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.010 | | 0.01000 | | 100 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.011 | | 0.01000 | | 109 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.0098 | | 0.01000 | | 98.1 | 70 | 130 | | | |
| Sample ID 1712479-001ams | SampT | ype: MS | 3 | Tes | tCode: T | CLP Volatil | es by 8260B | | | |
| Client ID: S-6 (12/7/17 | Batc | h ID: T4 | 7690 | F | RunNo: 4 | 7690 | | | | |
| Prep Date: | Analysis D | ate: 12 | 2/12/2017 | 5 | SeqNo: 1 | 524104 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 4.8 | 0.50 | 4.000 | 1.135 | 90.9 | 70 | 130 | | | |
| 1,1-Dichloroethene | 3.8 | 0.70 | 4.000 | 0 | 94.9 | 70 | 130 | | | |
| Trichloroethene (TCE) | 3.5 | 0.50 | 4.000 | 0 | 88.4 | 70 | 130 | | | |
| Chlorobenzene | 3.5 | 3.0 | 4.000 | 0.007600 | 88.1 | 70 | 130 | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.

- PQL
- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQU. Practical Quantitative Limit
 % Recovery outside of range due to dilution or matrix
 S
 - Analyte detected in the associated vietnor i E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

B Analyte detected in the associated Method Blank

Qualifiers: Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Level.
 D. Sample Duted Due to Matrix
 Helding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix
 - E RL
- Analyte detected in the associated weinour Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit

B Analyte detected in the associated Method Blank

Sample container temperature is out of limit as specified W

| rr: 1,2-Dichloroethane-d4 | 2.2 | | 2.000 | | 112 | 70 | 130 | | | |
|---------------------------|-------------|---------|-----------|-------------|----------|--------------|-------------|------|----------|------|
| rr: 4-Bromofluorobenzene | 2.0 | | 2.000 | | 101 | 70 | 130 | | | |
| rr: Dibromofluoromethane | 2.1 | | 2.000 | | 107 | 70 | 130 | | | |
| rr: Toluene-d8 | 2.0 | | 2.000 | | 98.3 | 70 | 130 | | | |
| mple ID 1712479-001amsc | I SampTy | pe: MS | D | Tes | tCode: T | CLP Volatile | es by 8260B | | | |
| ent ID: S-6 (12/7/17 | Batch | ID: T4 | 7690 | F | RunNo: 4 | 7690 | | | | |
| p Date: | Analysis Da | ate: 12 | 2/12/2017 | 5 | SeqNo: 1 | 524105 | Units: mg/L | | | |
| alyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| tene | 4.5 | 0.50 | 4.000 | 1.135 | 84.5 | 70 | 130 | 5.48 | 20 | |
| Dichloroethene | 3.6 | 0.70 | 4.000 | 0 | 89.5 | 70 | 130 | 5.81 | 20 | |
| loroethene (TCE) | 3.4 | 0.50 | 4.000 | 0 | 84.5 | 70 | 130 | 4.48 | 20 | |
| robenzene | 3.3 | 3.0 | 4.000 | 0.007600 | 83.4 | 70 | 130 | 5.44 | 20 | |
| rr: 1,2-Dichloroethane-d4 | 2.2 | | 2.000 | | 112 | 70 | 130 | 0 | 0 | |
| rr: 4-Bromofluorobenzene | 2.0 | | 2.000 | | 101 | 70 | 130 | 0 | 0 | |
| rr: Dibromofluoromethane | 2.1 | | 2.000 | | 107 | 70 | 130 | 0 | 0 | |

Hall Environmental Analysis Laboratory, Inc.

| | | <i></i> | | , | | | | | | 10 5411 |
|----------------------------|-----------|-----------|-----------|-------------|----------|-----------|-------------|-------|----------|---------|
| Client: Rule Eng | ineering | LLC | | | | | | | | |
| Project: Sunco Di | sposal 1 | | | | | | | | | |
| Sample ID 1712479-001cms | Samn | Type: MS | | Tes | tCode: E | PA Mothod | 8270C TCLP | | | |
| Client ID: S-6 (12/7/17 | | ch ID: 35 | | | RunNo: 4 | | 02/00 TOLF | | | |
| Prep Date: 12/14/2017 | | Date: 12 | | | SeaNo: 1 | | Units: mg/L | | | |
| Fiep Date. 12/14/2017 | Allalysis | Date. 14 | 2/15/2017 | | sequo. I | 530559 | Units. mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 2-Methylphenol | 0.081 | 0.0010 | 0.1000 | 0 | 80.8 | 23.9 | 129 | | | |
| 3+4-Methylphenol | 0.18 | 0.0010 | 0.2000 | 0 | 90.8 | 15 | 167 | | | |
| 2,4-Dinitrotoluene | 0.070 | 0.0010 | 0.1000 | 0 | 70.5 | 15 | 147 | | | |
| Hexachlorobenzene | 0.079 | 0.0010 | 0.1000 | 0 | 79.4 | 41.4 | 136 | | | |
| Hexachlorobutadiene | 0.080 | 0.0010 | 0.1000 | 0 | 80.3 | 16.2 | 134 | | | |
| Hexachloroethane | 0.070 | 0.0010 | 0.1000 | 0 | 69.8 | 20.6 | 124 | | | |
| Nitrobenzene | 0.081 | 0.0010 | 0.1000 | 0 | 81.1 | 39.5 | 134 | | | |
| Pentachlorophenol | 0.069 | 0.0010 | 0.1000 | 0 | 68.8 | 15 | 137 | | | |
| Pyridine | 0.041 | 0.0010 | 0.1000 | 0 | 41.1 | 15 | 129 | | | |
| 2,4,5-Trichlorophenol | 0.096 | 0.0010 | 0.1000 | 0 | 95.8 | 15 | 158 | | | |
| 2,4,6-Trichlorophenol | 0.086 | 0.0010 | 0.1000 | 0 | 85.5 | 15 | 153 | | | |
| Cresols. Total | 0.26 | 0.0010 | 0.3000 | 0 | 88.3 | 10.6 | 179 | | | |
| Surr: 2-Fluorophenol | 0.11 | | 0.2000 | | 56.5 | 15 | 124 | | | |
| Surr: Phenol-d5 | 0.095 | | 0.2000 | | 47.7 | 15 | 118 | | | |
| Surr: 2.4.6-Tribromophenol | 0.22 | | 0.2000 | | 109 | 15 | 148 | | | |
| Surr: Nitrobenzene-d5 | 0.085 | | 0.1000 | | 85.0 | 40.6 | 124 | | | |
| Surr: 2-Fluorobiphenyl | 0.083 | | 0.1000 | | 82.9 | 35.7 | 128 | | | |
| Surr: 4-Terphenyl-d14 | 0.051 | | 0.1000 | | 51.5 | 18.8 | 115 | | | |
| | | | | | | | | | | |
| Sample ID 1712479-001cmsc | I Samp | Type: MS | SD | Tes | tCode: E | PA Method | 8270C TCLP | | | |
| Client ID: S-6 (12/7/17 | Bate | ch ID: 35 | 503 | F | RunNo: 4 | 7841 | | | | |
| Prep Date: 12/14/2017 | Analysis | Date: 12 | 2/15/2017 | 5 | SeqNo: 1 | 530560 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 2-Methylphenol | 0.075 | 0.0010 | 0.1000 | 0 | 74.7 | 23.9 | 129 | 7.77 | 20 | |
| 3+4-Methylphenol | 0.16 | 0.0010 | 0.2000 | 0 | 79.6 | 15 | 167 | 13.1 | 20 | |
| 2,4-Dinitrotoluene | 0.072 | 0.0010 | 0.1000 | 0 | 71.9 | 15 | 147 | 1.94 | 23.2 | |
| Hexachlorobenzene | 0.076 | 0.0010 | 0.1000 | 0 | 76.1 | 41.4 | 136 | 4.17 | 20 | |
| Hexachlorobutadiene | 0.083 | 0.0010 | 0.1000 | 0 | 83.0 | 16.2 | 134 | 3.28 | 20 | |
| Hexachloroethane | 0.069 | 0.0010 | 0.1000 | 0 | 69.3 | 20.6 | 124 | 0.633 | 31.3 | |
| Nitrobenzene | 0.087 | 0.0010 | 0.1000 | 0 | 86.6 | 39.5 | 134 | 6.53 | 26.6 | |
| Pentachlorophenol | 0.041 | 0.0010 | 0.1000 | 0 | 40.8 | 15 | 137 | 51.0 | 27.9 | R |
| Pyridine | 0.037 | 0.0010 | 0.1000 | 0 | 36.9 | 15 | 129 | 10.7 | 47.4 | |
| 2,4,5-Trichlorophenol | 0.093 | 0.0010 | 0.1000 | 0 | 92.9 | 15 | 158 | 3.07 | 36.9 | |
| 2,4,6-Trichlorophenol | 0.078 | 0.0010 | 0.1000 | 0 | 77.9 | 15 | 153 | 9.38 | 37.2 | |
| Cresols. Total | 0.24 | 0.0010 | 0.3000 | 0 | 78.8 | 10.6 | 179 | 11.4 | 27.4 | |
| Surr: 2-Fluorophenol | 0.11 | | 0.2000 | | 52.8 | 15 | 124 | 0 | 0 | |
| Surr: Phenol-d5 | 0.085 | | 0.2000 | | 42.3 | 15 | 118 | 0 | 0 | |
| Surr: 2,4,6-Tribromophenol | 0.18 | | 0.2000 | | 89.8 | 15 | 148 | 0 | 0 | |
| con. 2,4,0-micromoprierid | 0.10 | | 0.2000 | | 00.0 | 15 | | 0 | 0 | |

Qualifiers:

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits

 P
 Sample pH Not In Range

 RL
 Reporting Detection Limit

 W
 Sample container temperature is out of limit as spec
 ure is out of limit as specified

QC SUMMARY REPORT WO#: 1712479 Hall Environmental Analysis Laboratory, Inc. 10-Jan-18

| Client: Project: | | gineering L isposal 1 | LC | | | | | | | | |
|---------------------|----------------|--------------------------|---------|-----------|-------------|-----------|-----------|---------------|---------|----------|------|
| Sample ID | lcs-1 ~20uS eC | SampT | ype: LC | s | Tes | tCode: SI | M2510B: S | pecific Condu | uctance | | |
| Client ID: | LCSW | Batch | ID: R4 | 7803 | F | RunNo: 4 | 7803 | | | | |
| Prep Date: | | Analysis D | ate: 12 | 2/13/2017 | 5 | SeqNo: 1 | 528860 | Units: µmh | os/cm | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Conductivity | | 22 | 5.0 | 19.96 | 0 | 110 | 80 | 120 | | | |

QC SUMMARY REPORT

WO#:

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1712479

10-Jan-18

Hall Environmental Analysis Laboratory, Inc.

Client: Rule Engineering LLC Sunco Disposal 1 Project:

| Sample ID 1712479-001cmsd | SampTy | SampType: MSD | | | Code: E | PA Method | 8270C TCLP | | | |
|---------------------------|-------------|---------------|-----------|-------------|---------|-----------|-------------|------|----------|------|
| Client ID: S-6 (12/7/17 | Batch | D: 35 | 5503 | R | unNo: 4 | 7841 | | | | |
| Prep Date: 12/14/2017 | Analysis Da | te: 1 | 2/15/2017 | S | eqNo: 1 | 530560 | Units: mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: Nitrobenzene-d5 | 0.085 | | 0.1000 | | 85.2 | 40.6 | 124 | 0 | 0 | |
| Surr: 2-Fluorobiphenyl | 0.088 | | 0.1000 | | 87.9 | 35.7 | 128 | 0 | 0 | |
| Surr: 4-Terphenvl-d14 | 0.046 | | 0.1000 | | 45.7 | 18.8 | 115 | 0 | 0 | |

 Qualifiers:

 • Value exceeds Maximum Contaminant Level.

 D Sample Diluted Due to Matrix

 H Folding times for preparatorian or analysis exceeded

 ND Not Detected at the Reporting Limit

 PQL
 Practical Quantitive Limit

 S
 % Recovery outside of range due to dilution or matrix

- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits

 P
 Sample pH Not In Range
 Page 9 of 16

WO#:

1712479

10-Jan-18

- RL Reporting Detection Limit W Sample container temperat
- rature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | | gineering LLC Jisposal 1 | | | | | | | | |
|---------------------|------------|-----------------------------|-----------|-------------|-----------|----------|--------------|------|----------|------|
| Sample ID | MB-35706 | SampType: MI | BLK | Test | Code: EP | A Method | 7470: Mercur | y | | |
| Client ID: | PBW | Batch ID: 35 | 706 | R | unNo: 48 | 037 | | | | |
| Prep Date: | 12/26/2017 | Analysis Date: 1: | 2/27/2017 | S | eqNo: 15 | 39683 | Units: mg/L | | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | | ND 0.00020 | | | | | | | | |
| Sample ID | LCS-35706 | SampType: LC | cs | Tes | Code: EP | A Method | 7470: Mercur | y | | |
| Client ID: | LCSW | Batch ID: 35 | 706 | F | tunNo: 48 | 037 | | | | |
| Prep Date: | 12/26/2017 | Analysis Date: 1 | 2/27/2017 | s | eqNo: 15 | 39684 | Units: mg/L | | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercurv | | 0.0056 0.00020 | 0.005000 | 0 | 111 | 80 | 120 | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Mattrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 Post-Call Quantitative Limit
 % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified

B Analyte detected in the associated Method Blank

Qualifiers:

Page 10 of 16

- Qualifier:

 • Value exceeds Maximum Contaminant Level.

 D
 Sample Dhuted Due to Matrix

 H
 Holding times for preparatorian or analysis exceeded

 ND
 Not Detected at the Reporting Limit

 QL
 Practical Quantitative Limit

 S
 % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated without B
 Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Detection Limit

B Analyte detected in the associated Method Blank

Page 11 of 16

W Sample container temperature is out of limit as specified

WO#: 1712479 Hall Environmental Analysis Laboratory, Inc. 10-Jan-18

| | - | | - | | | | | | |
|----------------------|--|---|-------------|--------------|-----------|--------------|-----------|----------|------|
| Client: Project: | Rule Engineering LLC Sunco Disposal 1 | | | | | | | | |
| Sample ID MB-A | SampType: MB | SampType: MBLK TestCode: EPA Method 6010B: Dissolved Metals | | | | | | | |
| Client ID: PBW | Batch ID: A48 | 122 | F | tunNo: 48 | 8122 | | | | |
| Prep Date: | Analysis Date: 1/2 | /2018 | S | eqNo: 1 | 543126 | Units: mg/L | | | |
| Analyte Magnesium | Result PQL ND 1.0 | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Sample ID LCS- | A SampType: LC | 6 | Tes | tCode: EF | PA Method | 6010B: Disso | lved Meta | als | |
| Client ID: LCSV | V Batch ID: A48 | 122 | F | RunNo: 48 | 8122 | | | | |
| Prep Date: | Analysis Date: 1/2 | /2018 | S | eqNo: 1 | 543131 | Units: mg/L | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Magnesium | 56 1.0 | 50.00 | 0 | 112 | 80 | 120 | | | |
| Sample ID MB-A | SampType: MB | SampType: MBLK TestCode: EPA Method 6010B: Dissolved Metals | | | | | | | |
| Client ID: PBW | Batch ID: A48 | 195 | F | tunNo: 48 | 8195 | | | | |
| Prep Date: | Analysis Date: 1/4 | /2018 | S | eqNo: 1 | 546973 | Units: mg/L | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Calcium | ND 1.0 | | | | | | | | |
| Potassium Sodium | ND 1.0 ND 1.0 | | | | | | | | |
| sodium | ND 1.0 | | | | | | | | |
| Sample ID LCS- | A SampType: LC | 6 | Tes | tCode: EF | PA Method | 6010B: Disso | lved Meta | als | |
| Client ID: LCSV | V Batch ID: A48 | 195 | F | tunNo: 48 | 8195 | | | | |
| Prep Date: | Analysis Date: 1/4 | /2018 | s | eqNo: 1 | 546974 | Units: mg/L | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Calcium | 49 1.0 | 50.00 | 0 | 97.9 | 80 | 120 | | | |
| Potassium Sodium | 48 1.0 47 1.0 | 50.00 50.00 | 0 | 96.6 94.1 | 80 80 | 120 120 | | | |
| Soaium | 47 1.0 | 00.0c | 0 | 94.1 | 80 | 120 | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | | ngineering LLC Disposal 1 | | | | | | | | |
|---------------------|------------|--|-------------|--------------|----------|-----------|---------------|-----------|----------|------|
| Sample ID | MB-35440 | SampType: MI | BLK | Tes | tCode: E | PA 6010B: | Total Recover | able Meta | als | |
| Client ID: | PBW | Batch ID: 35 | 440 | F | RunNo: 4 | 7726 | | | | |
| Prep Date: | 12/11/2017 | Analysis Date: 1 | 2/13/2017 | s | SeqNo: 1 | 525934 | Units: mg/L | | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | X PEC | Loud imit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | | ND 0.020 | OF IX VAIUS | OF ICTOR VAL | 7014LO | LOWEIIIII | riigneiniit | 70111 D | Ri Dunik | Quai |
| Barium | | ND 0.020 | | | | | | | | |
| Cadmium | | ND 0.0020 | | | | | | | | |
| Chromium | | ND 0.0060 | | | | | | | | |
| Selenium | | ND 0.050 | | | | | | | | |
| Silver | | ND 0.0050 | | | | | | | | |
| _ | | | | | | | | | | |
| Sample ID | LCS-35440 | 5440 SampType: LCS TestCode: EPA 6010B: Total Recoverable Metals | | | | | | | | |
| Client ID: | LCSW | Batch ID: 35 | 440 | F | RunNo: 4 | 7726 | | | | |
| Prep Date: | 12/11/2017 | Analysis Date: 1 | 2/13/2017 | 5 | SeqNo: 1 | 525935 | Units: mg/L | | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | | 0.47 0.020 | 0.5000 | 0 | 94.5 | 80 | 120 | | | |
| Barium | | 0.51 0.020 | 0.5000 | 0 | 102 | 80 | 120 | | | |
| Cadmium | | 0.50 0.0020 | 0.5000 | 0 | 101 | 80 | 120 | | | |
| Chromium | | 0.48 0.0060 | 0.5000 | 0 | 96.6 | 80 | 120 | | | |
| Selenium | | 0.50 0.050 | 0.5000 | 0 | 100 | 80 | 120 | | | |
| Silver | | 0.10 0.0050 | 0.1000 | 0 | 105 | 80 | 120 | | | |
| Sample ID | MB-35440 | SampType: MI | BLK | Tes | tCode: E | PA 6010B: | Total Recover | able Meta | als | |
| Client ID: | PBW | Batch ID: 35 | 440 | F | RunNo: 4 | 7726 | | | | |
| Prep Date: | 12/11/2017 | Analysis Date: 1 | 2/13/2017 | S | eqNo: 1 | 526525 | Units: mg/L | | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Lead | | ND 0.0050 | | | | | | | | |
| Sample ID | LCS-35440 | SampType: LC | s | Tes | tCode: E | PA 6010B: | Total Recover | able Meta | als | |
| Client ID: | LCSW | Batch ID: 35 | | F | RunNo: 4 | 7726 | | | | |
| | 12/11/2017 | Analysis Date: 1: | | | SeqNo: 1 | | Units: mg/L | | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 0.0050
 0.5000
 0
 104
 80
 120
 0.52

Client:

Project:

Sample ID mb-1 alk

Analyte Total Alkalinity (as CaCO3) Sample ID Ics-1 alk

Client ID: LCSW

Analyte Total Alkalinity (as CaCO3) Sample ID mb-2 alk

Client ID: PBW

Analyte Total Alkalinity (as CaCO3)

Sample ID Ics-2 alk

Client ID: LCSW

Analyte Total Alkalinity (as CaCO3)

Prep Date:

Prep Date:

Prep Date:

Client ID: PBW

Prep Date:

- Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

Batch ID: R47724

Batch ID: R47724

SampType: MBLK

Batch ID: R47724

Analysis Date: 12/11/2017

SampType: LCS

Batch ID: R47724

Analysis Date: 12/11/2017

Analysis Date: 12/11/2017

0 20.00 80.

Analysis Date: 12/11/2017

Rule Engineering LLC

Sunco Disposal 1

J Analyte detected below quantitation limits P Sample pH Not In Range

B Analyte detected in the associated Method Blank

TestCode: SM2320B: Alkalinity

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 ND
 20.00

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 78.80
 20.00
 80.00
 0
 98.5
 90
 110

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 ND
 20.00

TestCode: SM2320B: Alkalinity

 Result
 PQL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Qual

 78.44
 20.00
 80.00
 0
 98.0
 90
 110

SeqNo: 1525726 Units: mg/L CaCO3

SeqNo: 1525727 Units: mg/L CaCO3

SeqNo: 1525750 Units: mg/L CaCO3

SeqNo: 1525751 Units: mg/L CaCO3

RunNo: 47724

RunNo: 47724

0 30.5 TestCode: SM2320B: Alkalinity

RunNo: 47724

RunNo: 47724

SampType: LCS TestCode: SM2320B: Alkalinity

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WO#:

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1712479

10-Jan-18

Value above quantitation range

- RL Reporting Detection Limit W Sample container temperat ure is out of limit as specified

- Qualifiers:

 *
 Value exceeds Maximum Contaminant Level.

 D
 Sample Dhuted Due to Matrix

 H
 Holding times for preparation or analysis exceeded

 ND
 Next Detected at the Reporting Limit
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank J Analyte detected below quantitation limits P Sample pH Not In Range

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WO#:

1712479

10-Jan-18

- Value above quantitation range
- RL Reporting Detection Limit W Sample container temperat
- ature is out of limit as specified

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | Rule Engi Sunco Dis | | LC | | | | | | | | |
|---------------------|-------------------------------|------------|---------|-----------|-------------|----------|-------------|-----------|--------|----------|------|
| Sample ID 1 | 1712479-001DDUP | SampT | ype: DU | JP | Test | Code: S | pecific Gra | vity | | | |
| Client ID: 5 | S-6 (12/7/17 Batch ID: R47877 | | | | R | tunNo: 4 | 7877 | | | | |
| Prep Date: | | Analysis D | ate: 12 | 2/19/2017 | S | eqNo: 1 | 532349 | Units: | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Specific Gravity | | 1.026 | 0 | | | | | | 0.0487 | 20 | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.

- PQL
- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

в

RL

W

Analyte detected in the associated wethod is Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit

Analyte detected in the associated Method Blank

Sample container temperature is out of limit as specified

Qualifiers: Value exceeds Maximum Contaminant Level.

- Value exceeds Maximum Contaminant Levet.
 D Sample Diuted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 % Recovery outside of range due to dilution or matrix

RL

E

- B Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits
 - Page 15 of 16
 - Sample pH Not In Range Reporting Detection Limit Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

| | e Engineering LLC aco Disposal 1 | | | | | | | | |
|------------------------|-------------------------------------|-----------|-------------|----------|----------|----------------|----------|----------|------|
| Sample ID MB-35443 | SampType: M | BLK | Tes | Code: SM | 2540C MC | DD: Total Diss | olved So | lids | |
| Client ID: PBW | Batch ID: 35 | 443 | F | unNo: 47 | 725 | | | | |
| Prep Date: 12/11/2017 | Analysis Date: 1 | 2/13/2017 | s | eqNo: 15 | 25834 | Units: mg/L | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | ND 20.0 | | | | | | | | |
| Sample ID LCS-35443 | SampType: LO | s | Tes | Code: SM | 2540C MC | DD: Total Diss | olved So | lids | |
| Client ID: LCSW | Batch ID: 35 | 443 | F | unNo: 47 | 725 | | | | |
| Prep Date: 12/11/2017 | Analysis Date: 1 | 2/13/2017 | s | eqNo: 15 | 25835 | Units: mg/L | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | 1010 20.0 | 1000 | 0 | 101 | 80 | 120 | | | |

WO#:

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1712479

10-Jan-18

| Client Name: RULE ENGINEERING LL | Work Order Number: | 171247 | 9 | | | RoptNo: | 1 |
|--|----------------------|--------|----------|----------|------|-----------------------------------|--------------|
| Received By: Anne Thome 1 | 2/8/2017 7:55:00 AM | | | 0m | 1_ | | |
| Completed By: Anne Thorne 1 | 2/8/2017 10:13:08 AM | | | | 1- | | |
| Reviewed By: Ar 12/08/17 | | | | cana, | 1) w | | |
| Chain of Custody | | | | | | | |
| 1, Custody seals intact on sample bottles? | | Yes [| | No | | Not Present 🗹 | |
| 2, Is Chain of Custody complete? | | Yes 5 | 2 | No | | Not Present | |
| 3. How was the sample delivered? | | Quarte | 2 | | | | |
| Log In | | | | | | | |
| 4. Was an attempt made to cool the samples? | | Yes | 2 | No | | NA 🗆 | |
| 5. Were all samples received at a temperature of | f >0° C to 6.0°C | Yes s | Z n | No | | NA 🗆 | |
| 6. Sample(s) in proper container(s)? | | Yes | 2 | No | | | |
| 7. Sufficient sample volume for indicated test(s)? | , , , | Yes 8 | 2 | No | | | |
| 8. Are samples (except VOA and ONG) properly | preserved? | Yes | / | No | | | |
| 9. Was preservative added to bottles? | | Yes [| | No | | NA 🗆 | |
| 10.VOA vials have zero headspace? | | Yes . | ~ k | T/2/03 | 5 | No VOA Vials | |
| VOA viais have zero headspace? Were any sample containers received broken | 0 | Yes | <u>.</u> | | 2 | | |
| 11, more any sample containers receives crower | 1 | 105 | | | | # of preserved bottles checked | |
| 12. Does paperwork match bottle labels? | | Yes & | | No | | for pH: > | 2 |
| (Note discrepancies on chain of custody) | | | _ | | 2. | Adjusted? | or > Zaniese |
| 13, Are matrices correctly identified on Chain of C | ustody? | Yes b | - | No | | Adjusted r | - |
| 14, is it clear what analyses were requested? 15. Were all holding times able to be met? | | Yes b | | No No | _ | Checked by: | Ar 1 |
| (If no, notify customer for authorization.) | | 105 1 | | 140 | - L | | PH /4 |
| | | | | | | | |
| Special Handling (if applicable) | | | | | | | |
| 16. Was client notified of all discrepancies with thi | | Yes [| - | No | - | NA 🗹 | |

Client Instructions: 17. Additional remarks:

18. Cooler Information

 Cooler No
 Temp *C
 Condition
 Seal Intact
 Seal No
 Seal Date
 Signed By

 1
 1.0
 Good
 Yes
 Yes

Page 1 of 1

| Oual | ifiers: |
|------|----------|
| | Value ex |
| D | Sample I |

- Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quantative Limit S % Recovery outside of range due to dilution or matrix
- B
 Analyte detected in the associated Method Blank

 E
 Value above quantitation range

 J
 Analyte detected below quantitation limits

 P
 Sample pH Not In Range

 RL
 Reperting Detection Limit is

 W
 Sample container temperature is out of limit as spo

ure is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmentat.com Hawkins E. - Aubugargus, MK 2109 005-945-3075 Fax 605-945-107 005-945-3075 Fax 605-945-107 Air Bubbles (Y or N) Rook Direct Bill to Agua Mass - Rades far Sue Atherbud Pages (2) See Attached × (AOV-ime2) 0728 (AOV) 80828 8081 Lesticides / 8082 PCB's nions (F,CI,NO₃,NO₂,PO₄,SO₄) RCRA 8 Metals 4901 Hawkins NE -Tel. 505-345-3975 (SMIS 0728 to 0158) a'HA9 (1.403 borteM) 803 kny sub-contract (1.814 borteM) H9T (ОЯМ \ ОЯО \ ОЯО) ВЗГОВ НЧТ BTEX + MTBE + TPH (Gas only) i di di (1208) \$18MT + 38TM + X3T8 HEALNO. MIZ 479 Date Time 1 12/03/1 (930 <u> 9 9 9 9 9</u> 20 Vulocots Sunco Disposed # 1 (1)500mt Pake, VaCH
 (1)500mt Pake, NaCH
 (1)500mt Pake, NaCH
 (2)250mt Pake, NaCH
 (2)250mt Pake, NaCH
 (1)25mt Pake, NaCH
 (1)125mt Pake, NaCH
 (2)141, Marcian Jon
 (2)140, Marcian Jon Lubcools C Rush Heather Wood U)500 Make HNO3 Lype Turn-Around Time: ł roject Manager: Stardard Project Name: Container Type and # 3 "Mr Sampler: On Ice: Sample Te
 Mailing Address:
 5.01
 Arport
 5.1
 2.05
 5.9

 Figure 1
 Figure 1
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 <t Sample Request ID Level 4 (Full Validation) S-6 (12/3/17) Chain-of-Custody Record Date: Trine: Retinguished by: 10/1/1 (130 Aleas Alex A. Wondry) Date: Trine: Retinguished by: Rule Engineering , LLC (r) m Dether_ ₩ 1 WOLL ļ. Matrix < 2003 1036 QA/QC Package: Time Stardard Accreditation C EDD (Type) 1 =1/2/21 Date 442 Client

Sunco Disposal #1 Quarterly Laboratory Analytical List Page 1

Characteristic of toxicity using the Toxicity Characteristic Leaching Procedure, EPA SW-846 Test Method 1311 (see Table 1, 40 CFR 261.24(b)).

| EPA HW No. | Contaminant | SW-846 Methods | Regulatory Leve (mg/L) |
|------------|----------------------|---------------------------------|---------------------------|
| D004 | Arsenic | 1311 | 5.0 |
| D005 | Barium | 1311 | 100.0 |
| D018 | Benzene | 8021B | 0.5 |
| D006 | Cadmium | 1311 | 1.0 |
| D019 | Carbon tetrachloride | 8021B 8260B | 0.5 |
| D020 | Chlordane | 8081A | 0.03 |
| D021 | Chlorobenzene | 8021B 8260B | 100.0 |
| D022 | Chloroform | 8021B 8260B | 6.0 |
| D007 | Chromium | 1311 | 5.0 |
| D023 | o-Cresol | 8270D | 200.0 |
| D024 | m-Cresol | 8270D | 200.0 |
| D025 | p-Cresol | 8270D | 200.0 |
| D026 | Cresol | 8270D | 200.0 |
| D027 | 1,4-Dichlorobenzene | 8021B 8121 8260B 8270D | 7.5 |
| D028 | 1,2-Dichloroethane | 8021B 8260B | 0.5 |
| D029 | 1,1-Dichloroethylene | 8021B 8260B | 0.7 |
| D030 | 2.4-Dinitrotoluene | 8091 8270D | 0.13 |
| D032 | Hexachlorobenzene | 8121 | 0.13 |
| D033 | Hexachlorobutadiene | 8021B 8121 8260B | 0.5 |
| D034 | Hexachloroethane | 8121 | 3.0 |
| D008 | Lead | 1311 | 5.0 |
| D009 | Mercury | 7470A 7471B | 0.2 |
| D035 | Methyl ethyl ketone | 8015B 8260B | 200.0 |

Sunco Disposal #1 Quarterly Laboratory Analytical List Page 2

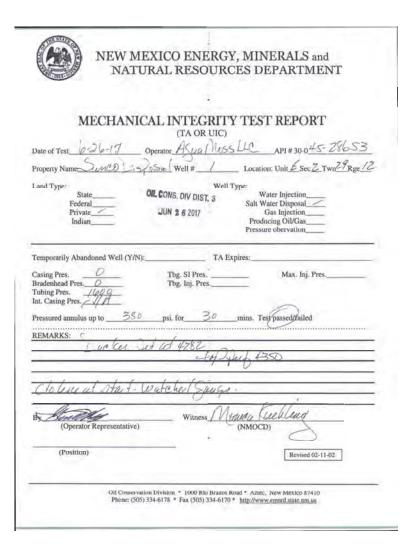
| D036 | Nitrobenzene | 8091 8270D | 2.0 | |
|------|-----------------------|----------------|-------|--|
| 0037 | Pentrachlorophenol | 8041 | 100.0 | |
| D038 | Pyridine | 8260B 8270D | 5.0 | |
| D010 | Selenium | 1311 | 1.0 | |
| D011 | Silver | 1311 | 5.0 | |
| D039 | Tetrachloroethylene | 8260B | 0.7 | |
| D040 | Trichloroethylene | 8021B 8260B | 0.5 | |
| D041 | 2,4,5-Trichlorophenol | 8270D | 400.0 | |
| D042 | 2,4,6-Trichlorophenol | 8041A 8270D | 2.0 | |
| D043 | Vinyl chloride | 8021B 8260B | 0.2 | |

If o., m., and p-cresol concentrations cannot be differentiated, then the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/L. If the quantitation limit is greater than the regulatory level, then the quantitation limit becomes the regulatory level. If meals (dissolved), the EPA 1311 TCLP Laboratory Method is required with the exception of Mercury (total).

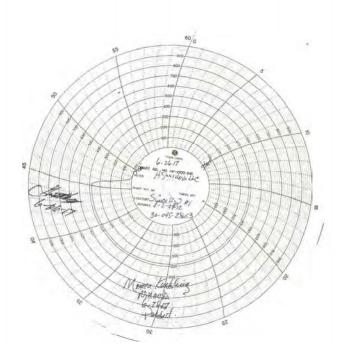
ADDTIONALLY:

RCI, specific conductance, specific gravity, ORP, and general water quality parameters (general chemistry/cations and anions, including: fluoride, calcium, potassium, magnesium, sodium bicarbonate, carbonate, chloride, sulfate, total dissolved solids, cation/anion balance, pH, and bromide) using the methods specified at 40 CFR 136.3.

Appendix C







| =) | 1 | & NA | TURA | | | MINERALS S DEPARTMENT MINERALS S DEPARTMENT MONTH AL (201) 334-4779 MONTH AL (201) 334-4779 MONTH AL (201) 334-4779 MONTH AL (201) 334-4779 MONTH AL (201) 334-4779 |
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Sunco SWD #1 30-045-28653 **Class I Disposal: UICI-5-0**

2017 Falloff Test



Report Components:

- 1. Facility Operator Information
 - a. Agua Moss, LLC b. PO Box 600 Farmington, NM 87499
 - c. OGRID 247130
- 2. Well Information:
 - a. UIC Permit # UICI-5-0 b. Class I
 - Sunco Disposal #1 c.
 - d. 30-045-28653
- e. UL E, Sec 2, T29N, R12W 1595 FNL & 1005 FWL San Juan County
- 3. Current Wellbore Diagram: Attached (page 4)
- 4. Copy of Electronic Log: Previously submitted 1992 (page 5)
- 5. Copy of Porosity Log: Previously submitted 1992 (page 6)
- 6. See attached Fall off Test analysis
 - a. FOT Procedure (page 8)
 - b. Analysis (page 8)
 - c. Results (page 20) d. Summary (page 10)
- 7. Results Comparison attached (page 19)
- 8. The raw test data will be kept on file for a period of 3-year and will be made available to the
- NMOCD upon written request. (page 20) 9. Conclusions (page 20)
- 10. Any pressure or temperature anomaly: None seen on BH readings. As seen in Figures 4 & 5 the change in rate and surface pressure are not significant and quickly stabilize. The results, Table 1, and IRT analysis confirm that the injection rate attained a pseudo-steady state, therefore the slight variation did not affect the integrity of the results. 11. Plots attached
 - - a. Pressure and Rate (fig 3) (page 21) b. Injection Rate vs Time (fig 4) (page 22)
 - Pressure and Rate (fig 5) (page 23)
 - Elapsed Time (fig 2) (page 8) d
 - e.
 - Derivative Plot (fig 7) (page 24) Horner Plot (fig 7) (page 25)
 - Elapsed Gauge Time (fig 8) (page 26) g.
 - Injection Volumes and Surface Pressure (fig 9) (page 27)
 - Average Hourly Injection Rate (fig 10) (page 28)

12. NO PVT data necessary, injected fluid is fresh-to-slightly saline water. No significant hydrocarbons present that would alter the density, compressibility and/or viscosity of the fluid.

13. The Agua Moss, LLC internal Daily Injection Reports were used to determine the appropriate injection history to use for the analysis. A summary of those reports (January 2017 through June 2017) are attached. (page 29-33)

- 14. The Sunco Disposal #1 has injected approximately 16,154,574 bbls into the point lookout formation from 1994 through July 2017 (see attached). The offset well McGrath SWD #4 API 30-045-25923 was plugged 7/25/2013. Cumulative injection 1994-7/2013 27,746,479 bbls.
- 15. 1 Mile AOR:
 - a. AOR 1 mile (page 34)
 - b. AOR 1 mile well data (page 35)
 - c. The McGrath #4 was the only offset well that was injecting into the Point Lookout formation within 1 mile. This well was plugged 7/25/2013.

16. Geological information was provided in the last Permit renewal submitted and approved in 2012.

17. Offset Wells: One offset well that was completed in the same injection interval was the McGrath #4. This well was plugged 7/2013 and therefore was not impacted.

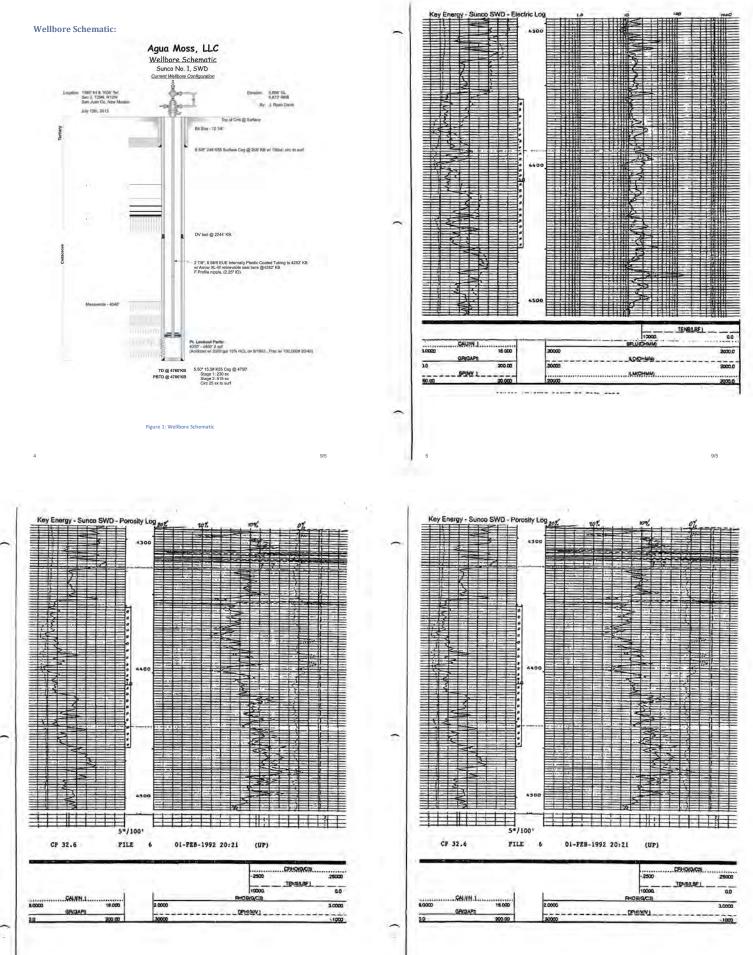
- Chronological listing of the daily, testing activities (operations log) attached (pages 37-53)
 - a. Date of Test: Monday June 26th , 2017 through Monday July 5th, 2017
 - b. Time of the injection period: ${\bf 50.63\ hours}$
 - c. Type of injection fluid: Produced water
 - d. Final injection pressure & temp prior to shutting in in the well: 3953.93 psi, 84.99 °F
 - Total shut-in time: 159.22 hours
 - f. Final static pressure & temp at the end of the fall-off portion of the test: 3457 psi, 92.44 °F

19. Location of the shut in valve: A wing valve located on the well's Christmas Tree was closed to begin the FOT.

20. Pressure Gauges: (see attached)

З

- a. SP-2000 Memory Pressure Gauge (page 54)
- b. Pressure range: 0-5000 psig (page 55)
- c. Last Calibration: 2/23/15 (page 37)



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At the request of the NMOCD and permit requirements, a Falloff Test (FOT) was performed on the Sunco SWD #1 Class | injection well (UICI-5-0) on 06/26/2017, Below is a summary of findings from the FOT.

Procedure:

Tandem electronic gauges were run in the subject well. The initial BHP was 3480 psi at a depth of 4405'. The injection period started at 3:00 pm on 06/26/2017, with a total of 6498 bbls injected over 50 hours, and an average injection rate of 3150 bpd (91 gpm). The final bottom hole injection pressure was 3953 psi. Injection was shut down and the well was shut it at the wellhead. The bottom hole pressures were monitored for 159 hours of pressure falloff. The final BHP was 3457 psi.

Analysis:

The FOT data was compiled in excel and analyzed. The data was also given to a third party consultant for further analysis and confirmation of results, the analysis is found on pages 9 -18.

A Cartesian plot of pressure and temperature versus elapsed time is presented in Figure 2 below. The stabilization of pressure was confirmed prior to shut-in. The plot was reviewed for anomalous data and none was found



Figure 2 Pressure and Temp vs. Time

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Sunco Disposal Well #1 2017 Fall-off Test Results

Summarv:

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The results of the 2017 fall off test (FOT) for the Sunco Disposal Well #1 indicate that the length of the shut-in test did just allow the transient to reach a stabilized flow period and that the well has a significant hydraulic fracture. These results are similar to the 2015 and 2016 fall-off test results. The pressure transient effect of the frac plus the wellbore storage effects do obscure to some extent the reservoir property influences; however, a reasonable and satisfactory set of reservoir properties could be calculated. The conventional straight-line analysis for extrapolated reservoir properties could be calculated. The conventional straight-line analysis for extrapolated pressure and the reservoir property calculations from the Homer and MDH type plots are acceptable. The input parameters for the fluid properties (i.e. PVT data) were the same as the newly available data for the 2016 test (Report titled "2nd Quarter 2016 Sampling - Injection Weil.pdf", NM1-9 INJECTION WELL ANALYTICAL RESULTS, Agua Moss Disposal Facility, Crouch Mesa Road, San Juan County, New Mexico, 6/28/16).

The results from the derivative, Horner and MDH type pressure plots are summarized in the table below. The results for the different methods were consistent and the average calculated properties were:

- Estimated Kw (permeability) = 10.4 md
- Estimated skin = -6.0
- -
- Extrapolated pressure = 3,273 psig Fracture half-length = 517 feet (from derivative half-slope line)
- Radius of investigation = 1,790 feet

| Calculated Reservoir Parameters | | | | | | | | | | |
|---------------------------------|-----------------|----------|------------------------|---------|--|--|--|--|--|--|
| | Horner Analysis | MDH Plot | Derivative Plot | Average | | | | | | |
| Estimated Kw (permeability, mD) | 9.9 | 12.3 | 9.1 | 10.4 | | | | | | |
| Estimated skin (dimensionless) | -6.0 | -5.9 | -6.1 | -6.0 | | | | | | |
| Extrapolated pressure (psig) | 3,255 | 3,329 | 3,235 | 3,273 | | | | | | |
| Fracture half-length (feet) | | | 517 | 517 | | | | | | |
| Radius of investigation (feet) | 1,820 | 2,000 | 1,550 | 1,790 | | | | | | |

Larger versions of the plots appear at the end of this document.



2017 Fall-off Pressure Test Analysis for the Sunco Disposal Well #1 San Juan County, New Mexico

prepared for

Merrion Oil and Gas Corporation

25 July 2017

International Reservoir Technologies, Inc. Lakewood, Colorado, USA

> Tel. (303) 279-0877 Fax (303) 279-0936

300 Union Blvd., Suite 400, Lakewood, Colorado 80228 (303) 279-0877 (303) 279-0936 Fax



Input data and assumptions:

- Assumptions: o Formation fluid properties equal injection water properties due to cumulative volume injected and miscibility of formation water and injection wate
 - Reservoir temperature = 91 deg F
 - Porosity = 0.114 (fraction, estimated from density log) Net pay = 110 feet

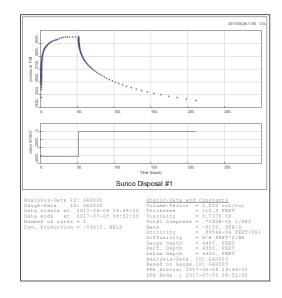
 - Rock compressibility = 4.50E-06 1/psi (correlation)
 - Wellbore radius = 0.506 ft
 - Wellbore volume total = 34.88 bbls (tubing = 24.79 bbls, casing = 10.09 bbls) Wellbore compressibility = injection water compressibility =2.64E-06 1/psi (from Osif correlation)
 - Injected water specific gravity = 1.006 (pure water =1.0); density = 8.392 lb./gal, TDS = 15,500 mg/L
 Injected water FVF = 1.0023 rb/stb (McCain correlation)

 - Injected water viscosity = 0.737 cp (McCain correlation)

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DATA PLOT:





HORNER PLOT:

Conclusions: The stabilized flow period was reached relatively late in the conventional straightline extrapolation for the extrapolated pressure, however the reservoir property calculations appear reasonable.

- Estimated extrapolated pressure = 3,255 psig
- -
- Estimated Kw (permeability) = 9.9 md Estimated skin = -6.04 Radius of investigation = 1,820 feet 2017/08/28-1738 8 88 20 8 8 100 (Tp + dT)/dT Sunco Disposal #1 slope of the line = 247.1846 281/cycle extrapolated pressure = 3255.03 PST R(Zav) at 196.5 hr = 1920. FEET P(Inv) at 39.63 hr = 1000. FEET Static-Cats and Constants Wolume-Factor = 1.002 vol/vol Thickness = 110,0 FERT Viscosity = 0.7370 cc Total Compress = .72408-05 1/BH Fate = .2132.5Tm/D Storivity = .85548-04 FEET/I prod. time=153.0 hr at rate=-3152.31 STD/D Fate Storivity Diffusivity Sauge Depth Perf. Depth Intum Depth Analysis-Dat Based on Gau PFA Starts: PFA Ends - -3152. STB/D - .B954E-04 FEET. - 4159. FILT^2/B + 4405. FEET - 4350. FEET - 4405. FEET - 4405. FEET - 140005 ID: GAUG05 ID: GAUG05 ID-67-05 UB:52:00 skin = -6.04 permeability = 9.52 MD permethickness = 1000, MC-VEET

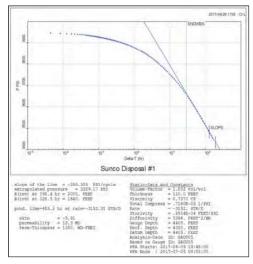
300 Union Blvd., Suite 400, Lakewood, Colorado 80228 (303) 279-0877 (303) 279-0936 Fax 9/5



MDH PLOT:

Conclusions: The stabilized flow period was reached relatively late in the conventional straight-line extrapolation for the extrapolated pressure, however the MDH values do appear reasonable.

- Estimated extrapolated pressure = 3,329 psig
- Estimated Kw (permeability) = 12.3 md
- Estimated skin = -5.91
- Radius of investigation = 2,000 feet



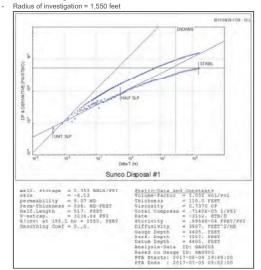
300 Union Blvd., Suite 400, Lakewood, Colorado 80228 (303) 279-0877 (303) 279-0936 Fax 9/5



DERIVATIVE PLOT:

Conclusions: The behavior of the derivative curve is affected by the wellbore storage and the influence of an apparent hydraulic fracture. The data does appear valid. Also the plot indicates that the length of the shut-in test was sufficient to reach a stabilized period. A half-slope is shown in the derivative curve which is characteristic of linear-flow due to a hydraulic-fracture. The calculated half-length for the fracture was 594 feet. There is no clear indication of a boundary or fault.

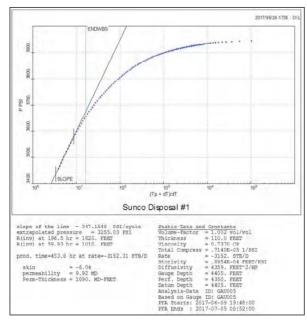
- Estimated extrapolated pressure = 3,235 psig
- Estimated Kw (permeability) = 9.07 md Estimated skin = -6.13
- Fracture half-length = 517 feet

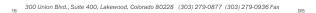




ENLARGED PLOTS:

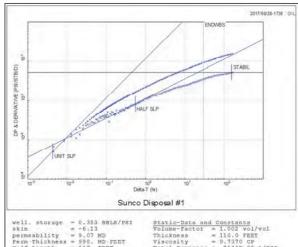
HORNER PLOT:







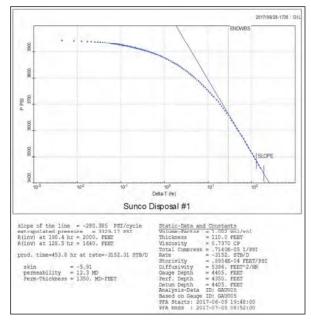
DERIVATIVE PLOT:



| skin = -6.13 | Volume-Factor = 1.002 vol/vol | |
|---------------------------------|----------------------------------|--|
| permeability = 9.07 MD | Thickness = 110.0 FEET | |
| Perm-Thickness = 998. MD-FEET | Viscosity = 0.7370 CP | |
| Half.Length = 517, FEET | Total Compress = .7140E-05 1/PSI | |
| P-extrap. = 3234.84 PSI | Rate = -3152. STB/D | |
| R(inv) at 155.1 hr = 1550. FEET | storivity = .8954E-04 FEET/PSI | |
| Smoothing Coef = 0.,0. | Diffusivity = 3987. FEET^2/HR | |
| | Gauge Depth = 4405. FEET | |
| | Perf. Depth = 4350, FEET | |
| | Datum Depth = 4405. FEET | |
| | Analysis-Data ID: GAU005 | |
| | Based on Gauge ID: GAU005 | |
| | PFA Starts: 2017-06-09 19:48:00 | |
| | PFA Ends : 2017-07-05 08:52:00 | |
| | | |



MDH PLOT:



300 Union Blvd., Suite 400, Lakewood, Colorado 80228 (303) 279-0877 (303) 279-0936 Fax 9/5

Results:

The results from the Horner, MDH, and Derivative pressure plots are summarized in the Table 1 below. The results for the different methods were consistent and the average calculated properties were:

- 1. P* = 3273 psi
- 2. K = 10.4 md 3. S = -6.0
- 4. Radius of Investigation = 1790 feet 5. No indication of boundary

Table 1 Calculated Reservoir Prop

| Ca | lculated Reservoir | Parameters | | |
|---------------------------------|--------------------|------------|-----------------|---------|
| | Horner Analysis | MDH Plot | Derivative Plot | Average |
| Estimated Kw (permeability, mD) | 9.9 | 12.3 | 9.1 | 10.4 |
| Estimated skin (dimensionless) | -6.0 | -5.9 | -6.1 | -6.0 |
| Extrapolated pressure (psig) | 3,255 | 3,329 | 3,235 | 3,273 |
| Fracture half-length (feet) | | | 517 | 517 |
| Radius of investigation (feet) | 1,820 | 2,000 | 1,550 | 1,790 |

The Derivative plot, Figure 6, shows flow regimes for wellbore storage, and linear flow, the stable or radial flow is not clearly present. The lack of a clear break-over into a flat plateau is most likely due to naturally fractured rock.

Comparison with past Falloff Tests:

The results from the 2017 FOT were compiled with previous FOT results from the facility and are shown below in Table 2.

Table 2: Results Comparison

| | 2017 | 2016 | 2015 | 2010 | 2009 | 2008 | <u>2007</u> |
|--------------------|------|-------|-------|--------------|-------|-------|-------------|
| Rate (bbl/day) | 3150 | 3132 | 3340 | 4500 | | | |
| P* (psi) | 3273 | 3114 | 3283 | 3231 | 3242 | 3176 | 3258 |
| K (md) | 10.4 | 11.5 | 15.8 | 13.6 | 10.2 | 20.7 | |
| S | -6.0 | -5.93 | -5.97 | -7.18 | -7.23 | -6.79 | |
| Radius of Inv (ft) | 1790 | 1430 | 1580 | 1450 | 1250 | 1750 | 1620 |
| Frac ½ Length (ft) | 517 | 594 | 467 | 893 | 926 | 596 | 688 |
| Boundary | none | none | none | 648, 1520 | 755 | 987 | none |

Agua Moss did not conduct tests prior to 2015 and is relying on the 2010 report submitted by Key Energy, the past operator, for those results. The following observations were derived from a comparison of the results:

- 1. The differing P* over the last 3 years can most likely be explained by the increased injection volume in the months near the FOT. In both 2015 and 2017 the volume of injected water from April to June was about 20,000 and 40,000 bbls respectively more than in 2016. If given time to equilibrate before the FOT, it is expected that the P* would be close to the 2016 value.
- 2. The radius of investigation for 2017 was adequate enough to see out beyond all but one of the Previously seem boundaries. Note: On 2010 results seems peculiar to have a boundary beyond the Radius of Investigation.
- 3. The parameters calculated compare well enough with previous FOT parameter to validate the 2017 FOT results.

The raw test data obtain during the 2017 falloff test will be kept on file for a period of three (3) years and will be available upon request.

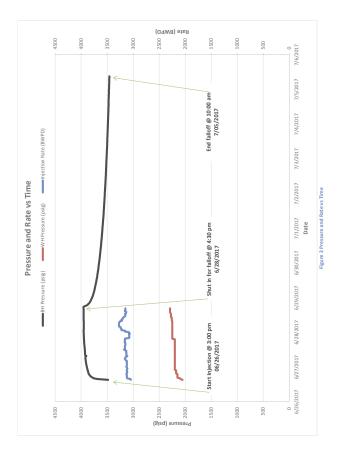
Conclusions:

20

Instanteous Injection Rate vs Time

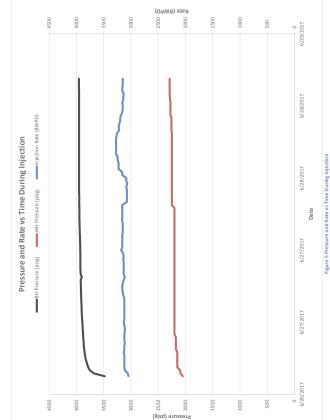
4000.00

Based on the above analysis and results comparison, Agua Moss believes the Sunco SWD #1 2017 FOT $\ensuremath{\mathsf{FOT}}$ was successfully completed. The results do not show indications of concern in continuing the current waste injection operations.





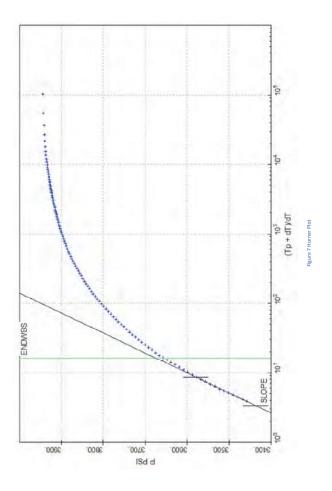
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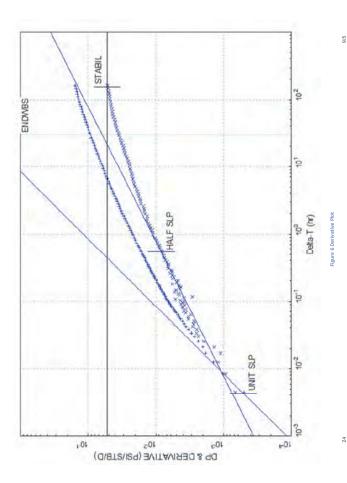


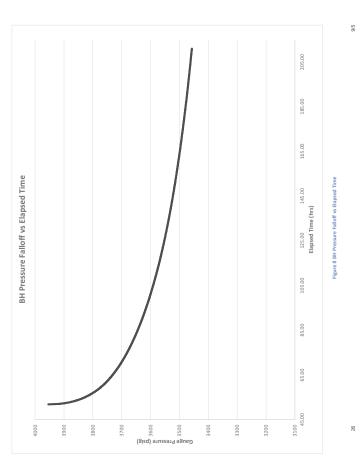
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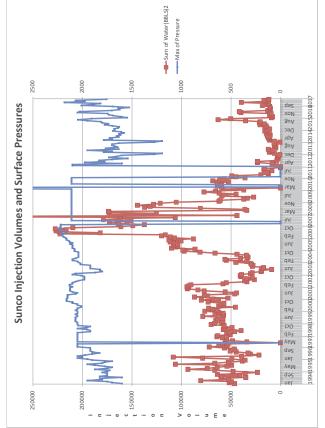


Figure 9 Injection and Pressure Plot

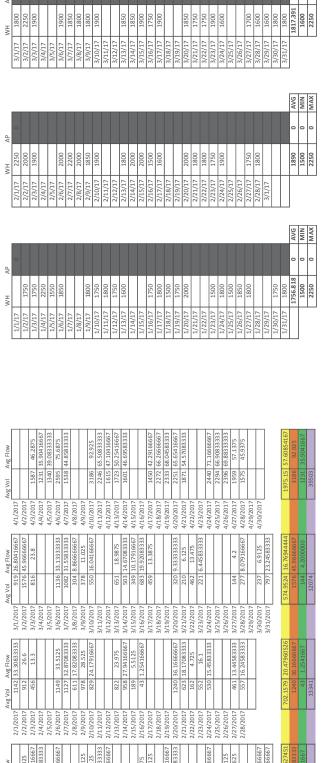
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| | 7/1/17 | 7/2/17 | 7/3/17 | 7/4/17 | 7/5/17 | 7/6/17 | 71/1/L | 7/8/17 | 7/9/17 | 7/10/17 | 7/11/17 | 7/12/17 | 7/13/17 | 7/14/17 | 7/15/17 | 7/16/17 | 7/17/17 | 7/18/17 | 7/19/17 | 7/20/17 | 7/21/17 | 7/22/17 | 7/23/17 | 7/24/17 | 7/25/17 | 7/26/17 | 7/27/17 | 7/28/17 | 7/29/17 | 7/30/17 | 7/31/17 | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|------|------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | AVG | MIN | MAX |
| AP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| MH | 2200 | 2200 | | | 2200 | 2250 | 2000 | 1700 | 2200 | | | 1800 | 2000 | 2000 | 2000 | 1900 | | | 1850 | 2100 | 2200 | 2250 | 2250 | | | 2200 | 2200 | 2290 | 1890 | 1850 | | 2069.545 | 1700 | 2290 |
| | 6/1/17 | 6/2/17 | 6/3/17 | 6/4/17 | 6/5/17 | 6/6/17 | 6/7/17 | 6/8/17 | 6/9/17 | 6/10/17 | 6/11/17 | 6/12/17 | 6/13/17 | 6/14/17 | 6/15/17 | 6/16/17 | 6/17/17 | 6/18/17 | 6/19/17 | 6/20/17 | 6/21/17 | 6/22/17 | 6/23/17 | 6/24/17 | 6/25/17 | 6/26/17 | 6/27/17 | 6/28/17 | 6/29/17 | 6/30/17 | | | | |

| | | | _ | | | _ | _ | _ | _ | _ | | | | | | | | | | | | | | | | | | | _ | _ | AVG | MIN | MAX |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|-----|------|------|---------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----|------|
| AP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| МН | 2000 | 2100 | 2000 | 2000 | 2100 | | | 2000 | 2000 | 2000 | 2200 | 2100 | | | 2100 | 1800 | 200 | 1750 | 2100 | | 2100 | 2200 | 2100 | 2200 | 2100 | | | | 2200 | 2100 | 1975 | 200 | 2200 |
| | 5/1/17 | 5/2/17 | 5/3/17 | 5/4/17 | 5/5/17 | 5/6/17 | 5/7/17 | 5/8/17 | 5/9/17 | 5/10/17 | 5/11/17 | 5/12/17 | 5/13/17 | 5/14/17 | 5/15/17 | 5/16/17 | | 18/ | | 5/20/17 | | 5/23/17 | 5/24/17 | 5/25/17 | 5/26/17 | 5/27/17 | 5/28/17 | 5/29/17 | 5/30/17 | 5/31/17 | | | |

| | _ | _ | _ | _ | _ | | | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | AVG | MIN | MAX |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|---------|---------|---------|--------|------|------|
| AP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| ΜH | | | 2100 | 1850 | 2250 | 2200 | 1950 | | | 2250 | 2300 | 2250 | 2200 | 2100 | | | 2100 | 2300 | 2250 | 2300 | 2300 | | | 2300 | 2300 | 2200 | 2300 | 1850 | | | 2182.5 | 1850 | 2300 |
| | 4/1/17 | 4/2/17 | 4/3/17 | 4/4/17 | 4/5/17 | 4/6/17 | 4/7/17 | 4/8/17 | 4/9/17 | 4/10/17 | 4/11/17 | 4/12/17 | 4/13/17 | 4/14/17 | 4/15/17 | 4/16/17 | 4/17/17 | 4/18/17 | 4/19/17 | 4/20/17 | 4/21/17 | 4/22/17 | 4/23/17 | 4/24/17 | 4/25/17 | 4/26/17 | 7 | 4/28/17 | 4/29/17 | 4/30/17 | | | |



4

9/5

8

| Avg Flow | | 20.825 | 10.00416667 | 38.47083333 | | 27.76666667 | | | 25.1125 | 7.6125 | 21.233333333 | 7.291666667 | | | | 9.975 | 27.9125 | | 2 | 22.19583333 | | | | 21.81666667 | | | 14.2625 | | | - | 24.09166667 | 20.1627451 | 38.470833 | 6.5041667 | |
|----------------|----------|----------|-------------|-------------|----------|-------------|----------|----------|----------|-----------|--------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|-----------|---------|---------|-----------|-----------|-------------|------------|-----------|-----------|-----------------|
| Avg Vol | | 714 | 343 | 1319 | | 952 | | | 861 | 261 | 728 | 250 | | | | 342 | 957 | | 805 | 761 | | | | 748 | | 1173 | 489 | | | 223 | 826 | 691.2941 | 1319 | 223 | 11752 |
| Total Injected | 1/1/2017 | 1/2/2017 | 1/3/2017 | 1/4/2017 | 1/5/2017 | 1/6/2017 | 1/7/2017 | 1/8/2017 | 1/9/2017 | 1/10/2017 | 1/11/2017 | 1/12/2017 | 1/13/2017 | 1/14/2017 | 1/15/2017 | 1/16/2017 | 1/17/2017 | 1/18/2017 | 1/19/2017 | 1/20/2017 | 1/21/2017 | 1/22/2017 | 1/23/2017 | 1/24/2017 | 1/25/2017 | 1/26/2017 | /27/201 | /28/201 | 1/29/2017 | 1/30/2017 | 1/31/2017 | AVG | MAX | NIN | Total for month |

29

972

AVG MIN MAX

-

| Avg Flow | 14.4375 | 30.333333333 | | | 15.77916667 | 31.12083333 | 26.57083333 | | 16.5375 | | | 20.32916667 | 7.816666667 | 18.2875 | 11.9875 | | | | 9.654166667 | 27.9125 | 5.83333333333 | 31.7625 | 20.475 | | | 17.70416667 | 90.53333333 | 88.05416667 | | | | 26.95162037 | 90.53333333 | 5.8333333 |
|----------|----------|--------------|-------------|-------------|-------------|-------------|-------------|----------|----------|-------------|-------------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|-----------|-------------|-------------|-----------|
| Avg Vol | 495 | 1040 | | | 541 | 1067 | 911 | | 567 | | | 697 | 268 | 627 | 411 | | | | 331 | 957 | 200 | 1089 | 702 | | | 607 | 3104 | 3019 | | | | 924.0556 | | 200 |
| | 6/1/2017 | 6/2/2017 | 6/3/2017 | 6/4/2017 | 6/5/2017 | 6/6/2017 | 6/7/2017 | 6/8/2017 | 6/9/2017 | 6/10/2017 | 6/11/2017 | 6/12/2017 | 6/13/2017 | 6/14/2017 | 6/15/2017 | 6/16/2017 | 6/17/2017 | 6/18/2017 | 6/19/2017 | 6/20/2017 | 6/21/2017 | 6/22/2017 | 6/23/2017 | 6/24/2017 | 6/25/2017 | 6/26/2017 | 6/27/2017 | 6/28/2017 | 6/29/2017 | 6/30/2017 | | | | |
| Avg Flow | 20.7375 | 5.8625 | 21.93333333 | 20.97083333 | 24.90833333 | | | 17.325 | 28.525 | 37.12916667 | 32.05416667 | 22.89583333 | | | 8.254166667 | 5.570833333 | 13.65 | 7.816666667 | 23.77083333 | | | 12.27916667 | 10.99583333 | 15.19583333 | 27.76666667 | 22.89583333 | | | | 33.65833333 | 10.2375 | 19.29242424 | | 5.5708333 |
| Avg Vol | 711 | 201 | 752 | 719 | 854 | | | 594 | 978 | 1273 | 1099 | 785 | | | 283 | 191 | 468 | 268 | 815 | | | 421 | 377 | 521 | 952 | 785 | | | | 1154 | 351 | 661.4545 | | 191 |
| | 5/1/2017 | 5/2/2017 | 5/3/2017 | 5/4/2017 | 5/5/2017 | 5/6/2017 | 5/7/2017 | 5/8/2017 | 5/9/2017 | 5/10/2017 | 5/11/2017 | 5/12/2017 | 5/13/2017 | 5/14/2017 | 5/15/2017 | 5/16/2017 | 5/17/2017 | 5/18/2017 | 5/19/2017 | 5/20/2017 | 5/21/2017 | 5/22/2017 | 5/23/2017 | 5/24/2017 | 5/25/2017 | 5/26/2017 | 5/27/2017 | 5/28/2017 | 5/29/2017 | 5/30/2017 | 5/31/2017 | | | |

2016 AREA OF REVIEW UNIT LETTERS ENCOMPASSED BY THE 1-MILE AOR

| Sec | TWN | RNG | UL |
|-----|-----|-----|---------------|
| 1 | 29N | 12W | DELM |
| 2 | 29N | 12W | ALL |
| 3 | 29N | 12W | ABCFGHIJKOP |
| 10 | 29N | 12W | AB |
| 11 | 29N | 12W | ABCDEF |
| 34 | 30N | 12W | AGHIJKNOP |
| 35 | 30N | 12W | DEFGHIJKLMNOP |
| 36 | 30N | 12W | LM |

All tracts within the AOR were reviewed for activity that had ensued since 2015 Annual Report.

| | PLUGGED | | | | | | | | | 4350-4460TA'd | | | | NOI to PA 5/2014 | | | | | | TA'd 3/5/14 | | | | 3/26/2013 | and the second se |
|-------------------|------------------|---------------|---------------------|--------------------|------------------|-----------------|----------------|----------------|----------------------|------------------------|-------------------|----------------|-----------------------|--------------------|---------------|------------------------|--------------------------|----------------|---------------|----------------------------------|------------------------------------|------------------------------|-------------------------------------|----------------|---|
| | P ac leer | | | | | | | | | 4282 10/15/07 | | | | | | | | | | | | | | | |
| | Perfs | 6518-6718 | 6425-6602 | 1702-1926 | 1774-2077 | 1730-1951 | 1658-1878 | 1976 -2010 | 6489 -6596 | 4350 -4460 | 6446 -6644 | 1692 -1904 | 6432 -6524 | 1621 -1885 | 6277-6454 | 1543-1704 1744-1800 | 1811-1839 | 1726-1764 | 6298-6483 | 6396-657604'RC to FC1492-1870 | 6521-6708 94 RC to FC 1824-2037 | 629-6714 | 6460 6680 011 RC to FC 1784 1994 | 3492 -1870 | |
| sing | Sacks TOC | 300 surf | 820 surf | 310 surf | 262 surf | 255 surf | 258 surf | 250 surf | 1065 surf | 1010 surf | 700 surf | 289 surf | 500 surf | 238 surf | 765 surf | 229 surf | 181 surf | 270 surf | 300 surf | 1000 surf | 445 surf | 1425 surf | 750 surf | 6000 surf | |
| Production Casing | dep th | 6785 | 6622 | 2151 | 2221 | 2195 | 2126 | 2106 | 1865 | 4760 | 6739 | 2112 | 889 | 2117 | 6514 | 1959 | 2022 | 2000 | 1099 | 6608 | 6760 | 6777 1 | 0520 | 9 6099 | |
| Prode | size | 4.5 | 5.5 | 4.5 | 4.5 | 4.5 | 4.5 | 3.5 | 4.5 | SS | 45 | 45 | 4.5 | 4.5 | 4.5 | 45 | 3.5 | 4.5 | 4.5 | 4.5 | 45 | 45 | 45 | 4.5 | |
| | Sacks TOC | | | | _ | | | | | | | | | | | | | | | | | | | | |
| INT Casing | depth | | _ | | _ | | 2126 | 1978 | | | | | | | _ | | 1811 | _ | _ | | | | | _ | |
| INT | size d | | | | | | 6.25 | 5.5 | | | | | | | | | 5.5 | | | | | | | | |
| | Sacks TOC | 200 surf | 225 surf | 90 surf | 34 surf | 85 surf | 44 surf | 10 surf | 225 surf | 150 surf | 275 surf | 150 surf | 250 surf | 61 surf | 150 surf | 55 surf | 70 surf | 35 surf | 150 surf | 295 surf | 200 surf | 170 surf | 250 surf | 250 surf | |
| Surface Casing | depth Sad | 264 20 | 318 22 | 137 90 | 135 32 | 162 81 | 139 44 | 42 10 | 318 22 | 209 15 | 307 27 | 218 15 | 307 25 | 144 6: | 240 15 | 147 St | 106 70 | 140 32 | 250 15 | 316 29 | 301 20 | 230 17 | 306 25 | 316 25 | |
| Sufa | size de | | 8.625 3 | 7 | 7 1 | 7 | 7 1 | 16 | 8.625 | 8.625 2 | 8.625 3 | 2 | 8.625 3 | 7 1 | 8.625 | 7 | 8.625 | 7 1 | 8.625 2 | 8.625 3 | | 8.625 2 | 8.625 3 | 8.625 3 | |
| | TD si | 6785 8.265 | | | | | | | | 4760 8.6 | 6740 8.6 | 32 | | | | | | | 6604 8.6 | | 78 8.625 | | | 8 | |
| | Spud Date T | 3/12/1961 67 | 3/22/1985 5825 | 7/22/2004 2152 | 12/1/2004 2225 | 8/17/2006 2200 | 7/14/2003 2136 | 7/29/1944 2107 | 11/19/1961 6720 | 1/28/1992 47 | 8/1/1961 67 | 7/13/2007 2132 | 3/14/1964 6689 | 8/14/2005 2120 | 1/5/1981 6514 | 1/7/2003 1968 | 11/7/1955 1839 | 10/7/2003 2008 | 12/6/1961 66 | 11/20/1984 6608 | 12/19/1960 6778 | 6/15/1984 6780 | 7/22/1966 6750 | 10/9/1990 6608 | |
| _ | s. L | 0 | L 3 | N N | 0 | 0 | z | - | - | | 0 | 8 | - | - 00 LL | 8 | | ء د | 0 | 0 | 0 | P 12 | ۵ | - | N | |
| | RNG | 1.2W | 1 2 W | 1.2W | 1.2W | 1.2W | 1.2W | 1.2W | 12W | 12W | 1.2W | 1 ZW | 1 2W | 1.2W | 1.2W | 1.2W | 1.ZW | 1.ZW | 1.2W | 1 ZW | 1.2W | 1.2W | 1.2W | 1 ZW | |
| | TWW | 29N | 29N | 29N | 29N | 29N | 29N | 29N | 29N | 29N | 29N | 29N 1.2W | 29N | 29N | 29N | 29N | 29N | 29N | 29N | 30N | 30N | 30N | 30N 1.2M | 30N | |
| | Sec | -1 | 1 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | m | m | e | 10 | 6 | 11 | 11 | 11 | 2 | 35 | 35 | 35 | 98 | |
| | Status | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | Active | TA/d | Active | Active | Active | Plugged | |
| | lease | Private | Federal | Federal | Private | Private | Federal | Federal | Private | Private | Private | Private | Private | Private | Federal | Federal | Federal | Federal | Federal | Federal | Private | Private | Federal | State | |
| | Typ e | Gas | Gas | Gas | Gas | Gas | Gas | Gas | Sis | Salt Water Disposal | Sis | Sas | Gas | Gas | Gas | Sis | Gas | Gas | Sea | Gas | Sec | Gas | Sas | Sea | |
| | Ournent Operator | 8P. America | 8P. America | Energen Resources | Buringoon | Burlingbon | Burlington | Burlington | Burlington | A gua Moss | Burlington | Burlington | Burlington | Burlington | Buringoon | Burlington | l hompson Engr & Prod | Buringoon | 8P. America | Burington | Hok amb Oil & Gas | Mertion OI & Gas | Burlington | Burlington | |
| | Well N | #00.1 | A00 1E 0 | A002R | VOOLR 0 | A0015 B | 4500 | 4007 | 4001 B | 1004 | 100 | 003S | #001 | #1005 | A001E B | 0014 | 1 1006 | M01 8 | 4001 B | #001E | 1004 | A002 | N003 | A02.4 B | |
| | WellName | ALLEN A | | | _ | | CORNELL COM | COR NELL SRC | | SUNCO DISPOSAL | | MCGRATH / | | | BECK A | CORNELL | | CORNEL | CORNELLC | DUFF GAS COM | 3045-08946 CARNAH AN CO M | 30-045-25844 CAR NAH AN CO M | r NOSONH | IC STATE COM | |
| | IdV | 30045-08851 A | 30045-26214 ALLEN A | 30045-32346 CORNEL | 30045-32241 BEOK | 30045-33811 BEO | 30045-31580 C | 30045-08714 C | 30045-08704 MCGRATHB | 30045-28653 \$ | 30045-08839 YOUNG | 30045-33580 A | 30045-08712 MCGRATH A | 30045-32931 WALKER | 30045-23889 8 | 30045-30381 C | 30-045-06615 CORNEL | 30045-31581 C | 30045-13092 C | 30045-26141 D | 3@45-08946 C | 30-045-25844 C | 3004S-11770 H | 30-045-28177 | |

* * * * * * _{*} * * * * * *

| | Total | Cumulative | Volume | (barrels) | 1443363 | 14445410 | 14458751 | 144708 25 | 144708 25 | 14510328 | 14524880 | 14541513 | 14541513 | 14541513 | 14541513 | 14541513 | 14541513 | 14541513 | 14541513 | 14541513 | 146493@ Life Of well injecte |
|--|---------|------------|--------------|----------------------------|---------------|-------------------|-------------|-------------|------------------|------------------|-----------------------|---------------------|------------------|----------|----------|----------|------------------|----------|----------|----------|------------------------------|
| | F | Cum | Volume Vo | (barrels) (ba | L | 11 752 144 | 13341 144 | 12 074 144 | | 39503 14 | 14 552 14 | 16 63 314 | | 0 14 | 0 14 | q 14 | | q 14 | 0 14 | 0 14 | 107855 14 |
| | | Minimum | Volume Vo | (pdq) (pa | Previous year | 223 | 43 | 144 | Previous Quarter | 1231 | 191 | 200 | Previous Quarter | 0 | 0 | 0 | Previous Quarter | 0 | 0 | 0 | Total for year 10 |
| | | Maximum M | Volume V | (pdq) | | 13 19 | 12.40 | 15 76 | | 3186 | 12.73 | 31.04 | | Þ | 0 | 0 | | 0 | 0 | 0 | Total |
| | | ~ | Average | Volume (bpd) | | 691.2941176 | 702.1578947 | 574.952381 | | 1975.15 | 661.4545455 | 924.0555556 | | Þ | 0 | 0 | | 0 | 0 | P | |
| | Minimum | Annular | Pressure | (bisd) | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| 2017 Quarterly Injection Report | Maximum | Annular | Pressure | (psig) | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| Injec Q | | Average | Annular | Flow (gpm) Pressure (psig) | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | | | Minimum | Flow (gpm) 1 | | 6.5041667 | 1.2541667 | 4.2 | | 92.925 35.904167 | 5.5708333 | 5.83333333 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | | | Maxium Flow | (mdg) | | 38.47083333 | 36.16666667 | 45.96666667 | | 92.925 | 37.12916667 5.5708333 | 90.5333333 5.833333 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | | | Average Flow | (m d8) | | 20.1627451 | 20.47960526 | 16.76944444 | | 57.60854167 | 19.29242424 | 26.95162037 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| | | Minimum | Pressure | (psig) | | 1500 | 1500 | 1600 | | 1850 | 200 | 1700 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| 45-28653 | | Maximum | Pressure | (p sig) | | 2250 | 2250 | 2250 | | 2300 | 2200 | 2290 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| UICI-5-0 Agua Moss, LLC Sunco Disposal #1 30-045-28653 | | Average | Pressure | (b sig) | | Jan-2017 1756.818 | 18 90 | 1817.391 | | 2182.5 | 1975 | Jun-2017 2069.545 | | 0 | 0 | 0 | | 0 | 0 | 0 | |
| UICI-5-0 Agua Moss, LLC Sunco Disposal i | | | | | | Jan-2017 | Feb-2017 | Mar-2017 | | Apr -2017 | May-2017 | Jun-2017 | | Jul -17 | Aug-17 | Sep-17 | | Oct-2017 | Nov-2017 | Dec-2017 | |

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| 00.045.08713 McGrefh SKC (001 leurington Gas Private Prugged 2 20n 1.2m j 777/2073 2136/14.1073/550 4.844 | Burlington Gas Private Prugged 2 25n 12w j | Gas Private Plugged 2 29n 12w j | Private Plugged 2 29n 12w j | Plugged 2 29n 12w j | Plugged 2 29n 12w j | 2 29n 12w j | 12w j | - | | 973 213613 | 22 | 1.6 | 0.75550 &: | 2 sxmud 4 964 sxmud | 4 8.625 | _ | 1526 5 str | 5 semud \$508.330 | 3150 2 | 2020 12 sx mud 2136 340 surf | 2 sx mud 340 surf | 2020-2.13.6 2012-2.07.8 | | 1998 |
|---|--|---------------------------------|-----------------------------|---------------------|---------------------|--------------------------|-------|-------------|-------|-------------------|-----------------|------------------------|------------|------------------------|--------------------------|------------------|-----------------------------|-------------------|----------|---------------------------------|----------------------|-----------------------------|-----------|------------|
| 3045-08797 Pre-Organd | Pre-Orgard | | Southland | Sis | Private | Plugged | 2 | 29n 1. | 12w 8 | g 4/14/15 | 4/14/1948 21.25 | 10 | | | | | _ | - | | - | | | | 2/23/1984 |
| 30.045-30486 | MCGRATH SRC | A001R | Burlington | ag B | Private | Physics Not. Released | 2 | 29N 12W | | 3/23/20 | 3/23/2001 2235 | 8625 | 23 23 | 12 surf | | | | 28 | 2.875 22 | 2228 42 | 425 surf | 2010 -2157 | | 6/25/2010 |
| 30045-08793 Pre-Organd | Pre-Organd | | Southern union | Gas | Private | Plugged | 1 | 2.9N 11 | 12W E | E 3/16/19 | 3/16/1948 21 25 | | | | | | | _ | | _ | | | | 3/16/1948 |
| 30.045-08656 Cornell | Cornell | 5 | Energen Resources Gas | Gas | Federal | Plugged | 1 | 2 SN 11 | 12W M | | 10/2/1955 29.96 | 6 8.625 | 5 97 | 75 surf | | | | 5.5 | | 1950 100 | 100 surf | 1711-1936 | | 9/15/2005 |
| 30045-06823 W | Walker SRC | 1 | Burling ton | Gas | P rivate | Phugged | ~ | 2 SN 12W | 2WV G | | 2/25/1943 20 50 | 0 16 | 21 | 20 surf | 5.5 | | 29.30 | 3.5 | | 2 050 172 | 175 surf | 1938 - 1974 | | 10/12/2009 |
| 3045-08711 Pre-Organd | Pre-Organd | | Union Texas | Gas | Private | Plugged | m | 2.9N 11 | 12W K | K 6/25/15 | 6/25/1955 29.40 | | | | | | | | | | | | | 11/10/1964 |
| 30.045-23758 Pre-Organd | Pre-Organd | | Southland | Sas | Federal | Plugged | 9 | 10 2.9N 12W | | A 12/19/1980 1870 | 187 | 6 | | | | | | | | | | | | 2/10/1984 |
| 30.045.08950 | NOSON | ~ | Burlington | Sik | Federal | Plugged | | 34 3 0N 12W | | P 7/17/19 | 7/17/1946 2137 | 7 15.5 | 38 | 20 surf | | 10 & 8.62 5 1618 | 1217 1618 99 surf | rf S.S | | 1961 4C | 40surf | 1728 -1 98 8 1962-2 00 8 | 2128 | 9/26/2008 |
| 3015-08955 Pre-Organd | Pre-Organd | | Aztec O&G | Gas | Private | Plugged | 34 | 3 CN | 12W N | | 11/1/1944 29 65 | 10 | | | | | _ | _ | | _ | | | | 10/29/1977 |
| 30-045-20140 Pre-Organd | Pre-Organd | | Southland | NG NG | Federal | Plugged | 35 | 30N 11 | 12W L | | Hd 7961/1/6 | | | | | | _ | | | - | | | | 6/9/1982 |
| 30-045-33573 | 30-045-33573 CORNELL COM | #5005 | Burlington | Gas | Private | Plugged | 2 | 29N 11 | 12W P | P 3/18/2005 2210 | 06 221 | 0 | 132 | 34 surf | 6.25 | | 2230 | 4.5 | | 2198 275 | 279 surf | 1754-1939 1743-1924 | | 1/23/2013 |
| 30045-08844 KATTLER | KATTLER | 1004 | Burlington | 89 | Private | Plugged | 2 | 29N 11 | 12W C | C 1/26/29-45 2069 | 45 206 | 0 | 846 | surf | 5.5 | | 1960 | 3.5 | | 2050 205 | 205 surf | 1961-2:007 | | 5/26/2012 |
| 30045-08709 MCGRATH | MCGRATH | #003 | Burlington | Sas | Private | Private Plugged 3 | | 29N 11 | 12W J | | 45 204 | 3/4/ 29:45 2040 13:375 | 75 675 | 2 surf | 8.625 INT 1 5.5 INT 2 | | 1460 4 surf 1928 58 surf | rt 35 | | 2011 110 surf | 0 surf | 1872 -1 91 2 1922-1 93 7 | 1871-1876 | 3/1/2013 |

07/06/17 File Reference F262705.RED

8

Gauge Identification

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Gauge Setup Parameters

| WARY: WERE MER | BS+ LLC | | | | | PADE 1. OF II | COMPANY ADDA NO | 125 | | | | | PAGE 2 UP 11 |
|----------------------------|--------------------|--------------------|------------------|-----------------|---------------------------------|----------------------|-----------------------------------|---------------------|--------------------|-----------------|---------------|--|--------------------|
| L NAME HUNCH | (.OH CHER DE | | | | | DATE 27/06/27 | WELL NAME - BUNG | I .DH CHER O | | | | | DATE . 07/04/11 |
| LISCATION | SAN JUAN COOR | TT:. 5H | | | | FILE RET F282705 HEL | WHILL MOCATION | SAN JUMP COD | CTY. 18 | | | | VILA MER VICTOS UN |
| Title D th.em.ss | Test Time | Preseure Paig | Temp Deg P | deltar PS1 | Da. Fress Rel. to 14.7 PSI Atm. | | Date Time HM/DD Libreman | Test Time | Pressure Felg | Temp Deg 7 | deltap PH1 | Comment | |
| | | | | P51 | Ga. Fress Ref. to 14.7 PSI Atm. | | | | | | | SA. Press set. to 14 7 sat Ate | |
| 5 13-02-90 5 13:28/00 | 26.2000 | 00 | 104.00 | | | | 06/20 13:49:45 06/26 13:50:00 | 47.7500 | 2941.13 | 89.53 | 34.29 | | |
| 0 13,31,00 | 29.0000 | 6,77 | 103.99 | a7% | PAREADED OF LUNKICATON | | 06/26 13:50:15 | 48.2500 | 3005.42 | 91.31 | 33.36 | | |
| 6 13:31:30 | 29.2546 | 35.46 | 102.88 | 28 AM 903.01 | | | 06/26 13:50:30 | 48.5000 | 3040.77 | 92.20 | 35.35 | | |
| 26 13:31:30 | 29.5000 | 1522.12 | 102.88 | 583.65 | | | 06/26 13:50:45 | 49.0000 | 3070.52 | 93.09 93.98 | 29.75 | | |
| 6 13:33:30 | 31.5000 | 1534.09 | 98.87 | 11.97 | | | 06/26 13:51:15 | 49.2500 | 3127.41 | 94.88 | 31.87 | | |
| 6 13:34:45 | 32.7500 | 1534.34 | 95.65 | .25 | SURFACE STOP | | 06/26 13:51:30 06/26 13:51:45 | 49.5000 | 3153.12 | 95.77 | 25.71 | | |
| 6 13:35:45 | 33.5000 | 1559.49 | 92.30 | 3.35 | SANAACE SIND | | 06/26 13:51:45 | 49.7500 | 3180.25 | 96.66 | 27.13 | | |
| 09136185 B | 24.0000 | 3972.86 | 91.04 | 13.17 | BAN TANDON KLASS. MOMONT LINES. | All Wilder | 06/26 13:52:15 | 50.2500 | 3242.13 | 98.38 | 29.04 | | |
| 16 13/36/15 | 14 2500 | 1592 10 | 90.35 | 20,05 | | | 06/26 13:52:30 | 50.5000 | 3264.89 | 99.17 | 22.76 | | |
| 26 13:36:30 | 34.5000 | 1632.49 | 90.17 | 12.48 | | | 06/26 13:52:45 06/26 13:53:00 | 50.7500 | 3290.50 3311.95 | 99.96 100.75 | 25.61 | | |
| 26 13137100 | 35.0000 | 1656.46 | 88.51 | 33.97 | | | 06/26 13:53:00 | 51.2500 | 3329.96 | 100.75 | 18.01 | | |
| 26 13:37:15 | 35.2500 | 1694.63 | 87.48 | 28.17 | | | 06/26 13:53:30 | 51.5000 | 3348.11 | 102.33 | 18.15 | | |
| 26 13:37:30 26 13:37:45 | 35.5000 | 1718.72 | 86.49 85.49 | 24.09 18.23 | | | 06/26 13:53:45 | 51.7500 | 3369.54 | 103.12 | 21.43 | | |
| 26 13:37:45 | 36.0000 | 1736.94 | 89.49 | 18.23 | | | 06/26 13:54:00 16:54 13:54:15 | 52.0000 | 3392.25 | 103.91 | 22.71 | | |
| 26 13:38:15 | 36.2500 | 1776.85 | 83.51 | 21.68 | | | 01/26 13:54:30 | 50.5000 | 3422 78 | 106.49 | 10.07 | | |
| 26 13:38:30 26 13:38:45 | 36.5000 | 1801.40 1819.79 | 82.52 81.53 | 24.55 | | | 00/20 13(50(45) 00/26 13(60:00 | 52,7500 63.0000 | 3441 90 | 100,29 | 13,12 | | |
| 26 13:39:00 | 37.0000 | 1838.06 | 80.53 | 18.26 | | | 06/26 13:66:00 | 14 2500 | 3461.70 | 107.39 | 18.45 | TANDEM BLEC NEMONY INST. # 44 | 08.1 |
| 26 13:39:15 | 37.2500 | 1859.90 | 79.55 | 21.84 | | | 00780 14100.00 | V0 1005 | 3480.40 | 200,65 | 1.49 | and the second s | |
| 26 13:39:30 26 13:39:45 | 37.5000 | 1882.91 | 78.56 | 23.01 22.16 | | | 04724 14/02/15 | 60.2500 | 3479.86 | 97.60 | - 14 | | |
| 26 13:40:00 | 38.0000 | 1931.11 | 76.58 | 26.04 | | | 16/06 14:06:45 00/26 14 19:00 | 12.0000 | 3478.82 | 03.21 | - 52 | BEGAN INJECTING WATER | |
| 26 13:40:15 | 38.2500 | 1963.43 | 75.89 | 32.32 | | | HE-26 SA-10-20 | 73.VCCC | 3540 53 | 48.33 | 54.47 | | |
| 24 13 40 37 | 39,5000 38.7%00 | 1999 92 | 75,84 | 41.00 | | | 06/26 14:15:15 | 73.2500 | 3557.59 | 93.12 93.55 | 17.07 | | |
| 26 13:41:00 | 39.0000 | 2088.29 | 75,13 | 46.70 | | | 06/26 14:15:30 06/26 14:16:00 | 73.5000 | 3568.93 | 93.55 | 11.34 | | |
| 26 13:41:15 | 39.2500 | 2117.19 | 74.88 | 28.90 | | | 06/26 14:16:15 | 74.2500 | 3589.16 | 94.86 | 5.75 | | |
| 26 13:41:30 | 39.5000 | 2139.49 | 74,62 | 22.30 | | | 06726 34(17)00 | 75.9000 | 3605.36 | 96.38 | 18.20 | | |
| 26 13:41:45 | 39.7500 | 2160.50 2183.09 | 74.36 74.10 | 21.01 22.59 | | | 06/26 14:18:45 | 75.2500 | 3628.99 | 99.98 | 19.47 | | |
| 26 13:42:15 | 40.2500 | 2206.53 | 73.85 | 23.45 | | | 06/26 14:20:00 | 78.0000 | 3643.76 | 103.13 | 14.77 | | |
| 26 13:42:30 | 40.5000 | 2231.14 | 73.60 | 24.60 | | | 06/26 14:21:30 | 79.5000 | 3656.60 | 106.18 | 12.83 | | |
| 26 13:42:45 | 40.7500 | 2256.03 | 73.34 | 24.90 | | | 06/26 14:24:30 06/26 14:24:45 | 82.5000 | 3676.32 | 107.61 | 19.72 | | |
| 26 13:43:15 | 41.2500 | 2302.97 | 73.21 | 23.48 | | | 06/26 14:29:30 | 87.5000 | 3694.48 | 104.44 | 17.43 | | |
| 26 13:43:30 | 41.5000 | 2323.38 | 73.61 | 20.41 | | | 06/26 14:33:15 | 91.2500 | 3705.61 | 101.32 | 11.14 | | |
| 26 13:43:45 | 41.7500 42.0000 | 2343.79 2362.18 | 74.01 74.41 | 20.40 18.39 | | | 06/26 14:37:45 06/26 14:43:30 | 95.7500 101.5000 | 3717.75 | 98.20 95.11 | 12.14 | | |
| 26 13:44:15 | 42.2500 | 2378.70 | 74.81 | 16.52 | | | 06/26 14:52:45 | 110.7500 | 3747.23 | 92.09 | 16.34 | | |
| 26 13:44:30 | 42.5000 | 2402.97 | 75.21 | 24.28 | | | 06/26 15:10:15 | 128.2500 | 3766.77 | 89.93 | 19.54 | | |
| 26 13:44:45 26 13:45:00 | 42.7500 43.0000 | 2435.00 2467.03 | 75.61 76.01 | 32.03 | | | 06/26 15:10:30 06/26 15:32:30 | 128.5000 | 3767.07 3786.76 | 89.92 89.63 | .30 | | |
| 26 13:45:00 | 43.2500 | 2491.87 | 76.41 | 24.84 | | | 06/26 15:32:30 06/26 15:32:45 | 150.5000 | 3786.76 | 89.63 | 19.69 | | |
| 24 13(49)30 | 43.8000 | 2010 24 | 78/85 | 21.39 | | | 06/26 15:59:00 | 177.0000 | 3802.99 | 89.88 | 16.10 | | |
| 26 13 46 00 | 44.0000 | 2534.51 3555.89 | 77,21 | 21.20 | | | 06/26 16:25:00 | 203.0000 | 3817.32 3828.78 | 90.11 | 14.33 | | |
| 26.11.86.115 | 84.2800 | 3591.56 | 78/26 | 25.84 | | | 06/26 16:51:00 06/26 17:17:00 | 229.0000 | 3828.78 | 90.27 | 11.46 9.02 | | |
| 26 13:46:30 | 44.5000 | 2612.10 | 79.04 | 30.85 | | | 06/26 17:43:00 | 281.0000 | 3845.63 | 90.41 | 7.83 | | |
| 26 13:46:45 | 44.7500 | 2641.36 2666.60 | 79.82 | 29,26 | | | 06/26 18:09:00 06/26 18:39:00 | 307.0000 | 3852.70 Jens 71 | 90.45 80.48 | 7.07 | | |
| 26 13:47:00 | 45.2500 | 2666.60 | 80.60 | 25.24 | | | 06/26 18:35:00 06/28 13:01:00 | 323.0000 | 3058 71 | 90.48 | 4.40 | | |
| 26 13 47:30 | 45.5000 | 2724.22 | 82.17 | 30.24 | | | 06/26 19:27:00 | 395 0000 | 3866 16 | 80.67 | 5.94 | | |
| 26 13:47:45 | 45.7500 | 2743.26 2765.02 | \$2.95 \$3.74 | 19.04 21.76 | | | 16/36 19:53:00 06/26 20:19:00 | 411 0988 | 3859 17 | 16 5 90 51 | 3.01 | | |
| 26 13:48:00 | 46.2500 | 2765.02 | 84.52 | 21.76 | | | 06/26 20:19:00 06/26 20:45:00 | 437.0000 463.0000 | 3872.32 3875.20 | 90.51 90.52 | 3.15 | | |
| 26 13:48:30 | 46.5000 | 2813.83 | 85.31 | 25.48 | | | 04/26 21:11:00 | 489.0000 | 3476.12 | 90,54 | 2,40 | | |
| 26 13:48:45 | 46.7500 | 2836.57 | 86.09 | 22.74 | | | NR/20 21 11.00 | \$15.0000 | 3003.25 | 90.55 | 2.32 | | |
| 26 13:49:00 | 47.0000 | 2859.60 | 86.88 | 23.03 | | | 06/26 22:03:00 | 541.0000 | 3884.42 | 90.58 | 3.17 | | |
| 26 13:49:30 | 47.5000 | 2906.89 | 88.64 | 25.21 | | | 06/26 22:55:00 | 593.0000 | 3890.15 | 90.61 | 2.83 | | |
| | | | | | | | | | | | | | |
| 38 | | | | | | 9/5 | 39 | | | | | | 9/5 |

| LL NAME : BUNCO SWD NO. 1 LL LOCATION : SAN JUAN COUNTY, NM | FAGE 3 OF 11 DATE 07/08/17 FILE REF, F262705, RED | TERMANY, AND HOM, LLC MELL NAME - SURCE MAR MEL. 1 MELL LOCATION - SAN JUNN EDITORY, INC | PAGE = 27/28/41 DATE = 27/28/41 FILE REF = 72/28/81 |
|---|---|--|---|
| te Time Test Time Pressure Temp deltaP /DD hhimise manning Daig Deg N Pai | Commant. Da. Press Pat. 10 14-7 MpC ALM. | Data Dime Shat Time Pressure Temp deltaD Com MM/DD blivmine mineme.mme Paig Leg P Pai Da. 06/28 02:22:00 2240.0000 3949.75 83.33 -13 | ent Press Ref. to 14.7 Dei Atm. |
| 7/14 7/14 <th< td=""><td></td><td>Bit III Bit IIII Bit IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>NTE DARETIN AUDI</td></th<> | | Bit III Bit IIII Bit IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | NTE DARETIN AUDI |
| 28 00.38:00 2136.000 3950.17 84.16 - 00 28 01.04:00 2136.000 3950.12 83.81 - 05 80 01:30:00 2188.0000 3949.93 83.57 - 19 28 01:56:00 2214.0000 3949.88 83.42 -,05 | | 06/29 03/25:00 3743.0000 3745.78 50.21 -3.01 06/29 03/51:00 3745.700 3745.79 50.28 -3.06 06/29 04:17:00 3795.0000 3742.65 90.34 -3.07 | |
| | | | |
| 40 | 9/5 | 41 | 9/5 |
| NRÁNY, AGUA MOZÉ, LAZ LL NAME I SUNCO SMO NO. 1 LL LOCATION I SAN JUAN COUNTY, NM te Time Test Time Pressure Temp delta? | VNNE 2 0P)) DATE : 07/06/17 FILE KEF: F242705 WED Comment | COMPANY ADDA MESS. LLC MELL RAME SONCO SMO RO I MELL RAME SONCO SMO RO I MELL RAME SONCO SMO ROMANY, MA DALE TIME TABLE TIME PREASURE Tamp deltap Comm | |
| z Time Test Time Pressure Temp deltaP 20 Minum:se Pelg Deg Pei 29 04:43:00 3821.0000 3739.72 90.40 -2.93 | Comment DA, Franke Wef. to 14.7 Fai Atm | 994/DD Nhimmese menemen menem Paig Deg P Pai da. 09/30 08:53:00 5511.0000 3624:03 91.79 -1.17 | ni Trese Het. Lo 14.7 Pel Alm. |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | | 00430 09.19.40 5837.000 3622.42 91.41 -1.21 06430 09.19.40 5837.000 3622.45 91.41 -1.22 06430 09.19.40 5843.0000 3621.45 91.41 -1.24 06430 101.11.00 5843.0000 3621.45 91.44 -1.26 06470 10.11.00 5844.0000 368.69 91.44 -1.26 06470 10.11.00 5844.0000 368.69 91.44 -1.26 06470 10.10 5847.0000 365.47 91.44 -1.27 06470 10.21.00 365.167 91.44 -1.27 06470 12.41.00 363.167 91.46 -1.27 06470 12.41.00 363.167 91.46 -1.27 06470 14.70 544.000 363.167 91.46 -1.28 06470 14.70 547.000 371.900 371.90 -1.48 06470 342.100 3451.400 91.49 -1.48 | |

| MEANY) ADUA MOES, LUIC LL HAME SCHOOL BHD BD 2 | | #WNS = DP 11 DATE : 07/04[]] | COMMANY ACTIA HORE, LLC WELL NAME : SUNCO SHO NO. 1 | 9600 # 0F () DATE : 07/06/17 |
|--|--|---------------------------------------|--|---------------------------------------|
| LL ESCATION (SAN JURA COURTY, SAN te Time Test Time Pressure Temp | deltaP Comment | TTIA BEP FEADIDS.WED | WELL LOCATION : SAN JUAN COUNTY, NM Date Time Test Time Pressure Temp deltaP Comment | FILE REF: F26270 |
| /DD hh == as Peig Deg (/D1 13103100 /201.0000 3561.07 92.00 | PRI Da Press Ref 10 14.7 Pai Ate | | | Ref. to 14.7 PBi Atm. |
| Add 13.28.4 00 7227,0000 3466.77 72 72 Add 13.28.4 00 7227,0000 3459 347 72 72 Add 14.1 00 7227,0000 3484 947 72 72 Add 14.1 00 7227,0000 3484 947 72 72 Add 14.1 00 7231,0000 3587,28 72 72 72 Add 731,000 7333,0000 3565,53 72 72 72 72 74 | - 71 - 72 - 72 - 72 - 73 - 73 - 73 - 73 - 73 - 73 - 74 - 74 - 74 - 74 - 74 - 74 - 74 - 74 | | 0*/02 17.3.8.00 1817.0000 3313.4.01 18.2.24 56 0*/02 18.0.1.00 1893.0000 3313.4.01 18.2.24 53 0*/02 18.0.1.00 1893.0000 3313.4.01 19.2.24 57 0*/02 18.0.1.00 1893.0000 3313.4.01 19.2.24 57 0*/02 19.4.1.00 1903.0000 3313.4.7 19.2.24 60 0*/02 20.4.1.00 1903.0000 3314.4.7 19.2.24 53 0*/02 20.4.1.00 1903.0000 3314.1.7 19.2.24 50 0*/02 21.3.1.00 1817.0000 3131.1.61 19.2.77 47 0*/02 21.3.1.00 1817.0000 3131.4.7 19.2.77 45 0*/02 21.3.1.00 1817.0000 3131.4.7 19.2.77 45 0*/02 21.3.1.00 1817.0000 3131.4.8 22.2.7 45 0*/02 21.3.1.00 1817.0000 3101.4.8 22.2.7 45 | |
| 44 44 EXAMPLE AND | 42 | 95 MAGE & OP 13 MATE \$7/M/25 | 07/03 20:57:00 10555.0000 3487.45 92.36,45 45 Соммалтт: Алла може, 110 мещ. плет. 5 сако мо мо, 1 | 97 PAGE 13 OF 1 DATE - 07/94/13 |
| LL LOCATON SAN JULA COUNTY, NM 58 Time Test Time Pressure Temp | deltas Comient | WILL MEP. FEEXTON /MAX | WELL LOCATION : SAN JUAN COUNTY, NM Date Time Test Time Pressure Temp deltaP Comment | FILE REF: F26270 |
| UTD: 10. norm. ab memory. norm. Psig Psig (2) 11.23.00 10.85.000 3447.03 12.3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 | 34 41 37 37 37 33 40 36 36 36 40 40 29 | | PH/LOD bhi ms.as memmer, mem Paig Deg F Pail Oa. Dress 07/05 01.33.00 12271.0000 3442.04 52.43 -41. 07/05 01.33.00 12271.0000 3441.07 52.43 59 07/05 02.251.00 12232.0000 3441.36 52.43 39 07/05 02.251.00 12232.0000 3440.47 52.44 30 07/05 02.151.00 12323.0000 3440.47 52.44 30 07/05 03.440.00 124.4 31 31 07/05 03.450.00 1342.7 52.44 33 07/05 03.450.00 1342.7 52.44 33 07/05 04.100 1242.000 1459.78 52.44 33 07/05 04.31.00 1345.700 1342.4 24 33 07/05 04.31.00 1345.700 1345.4 12.45 33 07/05 04.31.00 1345.7 12.45 | |

| : AGUA MOS | |
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WELL NAME : SUNCO SWD NO. 1

| WELL LOCATION | BAR JOAN COD | NT2_ IN | | | | File MEF, 1242755 622 |
|----------------|--------------|----------|-------|----------|---------------------------------|-----------------------|
| Date Time | Test Time | Pressure | | deltaP | Comment | |
| MM/DD hh:mm:## | | Psig | Deg F | Psi | Ga. Press Ref. to 14.7 Pai Atm. | |
| | | | | | | |
| 07/05 08:41:00 | | 2133.02 | 91.08 | -48,47 | | |
| 07/05 08:41:15 | | 2085.99 | 90.54 | -47.03 | | |
| 07/05 08:41:30 | | 2032.63 | 90.02 | -53.36 | | |
| 07/05 08:41:45 | | 1988.87 | 89.48 | -43.76 | | |
| 07/05 08:42:00 | | 1971.59 | 88.96 | -17.28 | | |
| 07/05 08:42:15 | | 1968.22 | 88.43 | -3.37 | | |
| 07/05 08:43:45 | | 1968.63 | 84.79 | .41 | | |
| 07/05 08:45:00 | | 1967.69 | 81.59 | 94 | | |
| 07/05 08:46:15 | | 1966.91 | 78.54 | 78 | | |
| 07/05 08:48:30 | | 1966.31 | 75.34 | 60 | | |
| 07/05 08:49:15 | | 1966.05 | 74.38 | 26 | STOP @ 1000' | |
| 07/05 08:49:30 | | 1941.62 | 74.08 | -24.43 | | |
| 07/05 08:49:45 | 12707.7500 | 1912.80 | 73.77 | -28.82 | | |
| 07/05 0R:50:00 | 12708.0000 | 1858.70 | 73.46 | -54.10 | | |
| 07/05 08:50:15 | 12708.2500 | 1801.72 | 73.16 | -56:98 | | |
| 07/05 08:50:30 | 12708.5000 | 1743.16 | 72.85 | -58.56 | | |
| 07/05 08:50:45 | 12708.7500 | 1687.03 | 72.55 | -56.13 | | |
| 07/05 08.51.00 | 12709.0000 | 1646.12 | 72.26 | -41.91 | | |
| 07/05 08:51:15 | 12709.2500 | 1600.33 | 71.94 | -44.78 | | |
| 07/05 08:51:30 | 12709.5000 | 1560.00 | 71.64 | -40.33 | | |
| 07/05 08:52:00 | 12710.0000 | 1542.97 | 71.02 | -17.03 | | |
| 07/05 08:52:15 | 12710 2500 | 1529.97 | 20.52 | -13.10 | | |
| 07/05 08:56:15 | 12714.2500 | 1514.26 | 70.47 | -15.61 | SURFACE STOP | |
| 07/05 08:56:30 | 12714.5000 | 1492.29 | 70.71 | -21.97 | | |
| 07/05 08:56:45 | | 29.03 | 70.95 | -1463.26 | | |
| 07/05 08:57.05 | | .01 | 71.19 | -29.02 | | |
| 07/05 09:00:15 | | .01 | 74.35 | .00 | | |
| 07/05 09:05:00 | | .01 | 77,79 | .00 | | |
| 07/05 09:13:00 | | .01 | 80.81 | .00 | | |
| | | | | | | |

| | | · EVENT SUMMARY · | | |
|-------------------|--------------------|---|---------------|-----------------------|
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| DHEAST ACCA NO | BE LLC | | | PADE B1 |
| WILL NAME SUNCC | BHD 90-1 | | | DATE 07/00/21 |
| WILL LOCATION S | AN JUAN COUNTY, N | h. | | VILL NUT VILLIVON NOD |
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| ats Time | | Yey Event. | Preseire | Tesp |
| M/DD hhimmiaa m | | | Palg | Deg F |
| | | *************************************** | ************* | |
| 6/26 13:31:00 | 29.0000 | PRESSURED UP LUBRICATOR | 8.77 | 103.44 |
| 8/26 13:25:30 | 13. 5000 | SURFACE STOP | 1349.74 | NX 3.0 |
| 1/34 13/36-20 | | TANDEM ELEC. MEMORY INST. 10 WELL TANDEM ELEC. MEMORY DEST. # 4400 | 1512.85 | N1. 24 TOX TO |
| 6/24 13:88:10 | 14.2800 72.5000 | BEDAS INCECTING WATER | 1488 2h | 41.21 |
| 6/26 14114:00 | | | | |
| 6/28 18/55 45 | 3113.9400 | STOFFED INJUCTING WATER | 3824 47 | 89.03 |
| 8/88 16 16 00 | | BEDAS FALL-DEF TEST ESDED FALL-DEE THET / INST. DEF NOTTOM | 1033.76 | 35.43 |
| 7/06 QB/10-16 | | | | |
| 00/05 28/19(00 | | 310% # 44400 | 1275-75 | 254 47 |
| | 12667.2000 | STOP # Alone | 2844-07 | 108.84 |
| 7/05 58:39:30 | | \$70P # 2000' | 2411.95 | 93.16 |
| 7/05-38/49:58 | | BTOP = 1000/ | 1944 05 | 294.33 |
| 17/05 08:54:15 | 12114.2802 | FURFACE STOP | 1618-26 | 76-47 |
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EVENT SUMMARY

COMPANY : AGUA MOSS, LLC WELL NAME : SUNCO SWD NO. 1 WELL LOCATION : SAN JUAN COUNTY, NM

50

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PAGE : B1 DATE : 07/06/17 FILE REF: F262705.DAT

9/5

9/5

PAGE 11 OF 11

DATE : 07/06/17

| | Test Time | Key Event | Pressure Psig | Temp Deg F | |
|---|---|---|---|--|--|
| 06/26 13:31.00 30/26 13:33:05 30/26 13:35:05 30/26 13:15:0 30/28 13:15:0 30/28 13:15:0 30/28 16:14:00 30/28 16:14:00 30/28 16:14:00 30/28 16:14:00 30/28 16:19:00 07/25 08:19:00 07/25 08:19:00 07/25 08:55:00 | 29.0000 13.0000 14.0000 14.0000 14.0000 14.0000 14.0000 12677.0000 12677.0000 12677.0000 | PRESSURED UP LUBRICATOR SURFACE STOP RAN TARCEME ELSC. MEMORY LRST. 10 WELL TARDEM KLAC. MEMORY LSTT. # 4(0) | 8.77 1534.06 1572.88 1480.81 3478.60 3957.84 3951.56 3457.00 | 103.44 94.87 95.18 96.14 196.14 88.00 98.16 92.44 114.67 109.00 93.81 74.63 | |
| | | | | | |

| Company: ADUA MOSS, LLC Well: SUNCO SHD NO. 1 Field: PUBT LOOKOUT & Ingunes: MEL TEPTILLE Using Appen ELECTROPIC Dauge Appen 9 5000 Gauge Depth: 4405 ft Serial No.: 242 | SHATTON . | SLACP | SHUT IN | |
|---|----------------------|----------------------|---------------|--|
| Tubing: | TO 4282' TO TO | 0il Leve H2O Leve | | |
| Shut-in BMP 3481 0 Shut-in WHP 1523 | 4405 ft Shi Shi | ut-in WHT 0 | F @ 0 ft F | |
| | | | | |

| | MD | TVD | PRESSURE | PSI/ft |
|-----|------|------|----------|--------|
| 1 | 4405 | 4405 | 3481.00 | |
| 2 | 4405 | 4405 | 3457.00 | 0.000 |
| 3 | 4000 | 4000 | 3279.00 | 0.440 |
| - 4 | 3000 | 3000 | 2846.00 | 0.433 |
| 5 | 2000 | 2000 | 2405.00 | 0.441 |
| 6 | 1000 | 1000 | 1966.00 | 0.439 |
| 7 | 0 | 0 | 1523.00 | 0.443 |

WATER LEVEL @ SURFACE

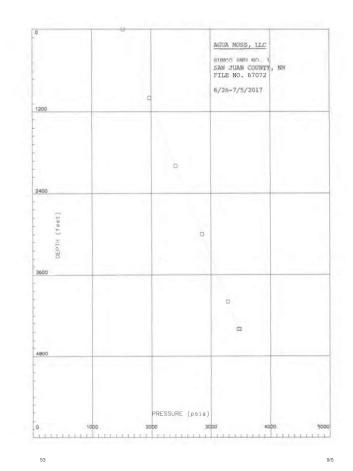
51

49

| Well: Field: Enginee Hauge T Gauge R | SUNCO FOINT E: NEIL Ype: FL ange: 0 opth: 4 | 405 81 | | BLACE DALE Weill Vest Stati | Type: Type: Type: | SAN JUAN NEW MEXI 06/26/20 DISPOSAL DEADISHT SHOT IN 67072 | 17 | |
|--|--|----------------|---------|---|-------------------------|--|------------|--|
| Tubing: | 2-7/8* | TO | 4282' | | | | | |
| Tubing: | | TO | | | | | | |
| Casing: | | TO | | -01 | L1 Lev | 1.48 | | |
| | .4350' - | | | | 20 Lev | | | |
| Shut-in Shut-in | | 3481 @ 1523 | 4405 ft | Shut-in BH7 Shut-In WH7 | | | 0 ft | |
| | | | | T | Tefce | ller Inco | rporated) | |
| # HD | 779/17 | PRESSURE | PST/It | | | | | |
| -1 440 | | 3481.00 | | | | | | |
| | 5 4405 | | 0.000 | | | | | |
| | 0 4000 | | 0.440 | | | | | |
| | | 2846.00 | | | | | | |
| | | 2405.00 | | | | | | |
| 5 100 | 0 1000 | 1966.00 | 0.439 | | | | | |
| - 10 C | 0 0 | 1523.00 | 0.441 | | | | | |
| | | | | | | | | |

WATER LEVEL & SUPFACE

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9/5

SP-2000

Downhole Memory Pressure Gauge

The SP-2000 downlible memory pressure gauge is controlled by an internal interoprocessor and powerful software. The EP-2000 can stay downhole and collect data for hours of days; depend on your application. It is similar and operates fully from balany power. lad

The microprocessor is capable of detect the somed pressure and tangentium en adjust the sampling rule autonetically (once programmed for the test the some adjust the sam (once program "Bration).

appresence). The SP-2000 is tough, dependiatin, almpin and incilligent. If your plot negutine gauges that are reliable yet? togged and simple for use, the SP-2000 instructory gauge, with the Hylind Sumtry example in the one key pp: R IS 30 simple The's paper citip can be used to programs it by changing the anthon's settings for the Type and Doubles of famil.

With the use of our simple, mean driven software, you can nitrieve and report the parage date (using a competible competer and printer) from the two occur it is restored from the well.

d reporting metaites are evaluated and reporting features and most of the standard

Micro-Smart Systems offers excepted Weil Test Interproteitios, utilizing Facted F-A.B.T. Weil Test¹¹⁰ software. This control static of the ant advance include data proparation, variotes analysis methods, analysical reservoir modeling and detivenability. Micro-Smart Bystems is the SMART choice for culting-wrige lacknology and suphrior culting-wrige lacknology and suphrior culting-wrige lacknology and suphrior culting-wrige lacknology and suphrines suphrited and belog you keep your customers subatted SMART Features: The technological features of the SP-2000 are:

SP-3000 area - David ESP/ROM Memory - Tool parforms belowed below to define a so againsf to credit rependion - Martine Control and a storage translation - Martine from the storage - Control from memory to fill of gauge webs attraje mediate storage - Control them With Micro-Simer's production - Control them With Micro-Simer's production skripte module strange Competitive with Micro-literative production logging basis = Bindhar ASCH data stonage kernet = Bindhar ASCH data stonage kernet of a compatie = Selectuble programming enhance the same of a compaties = Selectuble selections for duration in DAYS and TYPE of TEST Coalaber sempatier programming

- up to 15 time programming - up to 15 time periods - specify time interval, and participan el, sempling rais, and & P



Trains "IMART AND SIMPLE"

Direct and a

Få



ACCURACY VERIFICATION 5-February-2014

SP-2000 Gauge Model Gauge S/N 162 Pressure Range 5 K Accuracy 0.05% Full Scale

Applied Recorded Pressure Pressure Difference psig psig psi Percent (%) 0.01 0.71 0.70 0.0139% 774.08 774.96 0.88 0.0177% 1498 24 1499.12 0.88 0.0176% 2222.36 2222.99 0.63 0.0126% 2946.53 2947.04 0.51 0.0102% 3670.66 3671.23 0.57 0.0113% 4394.87 4395.53 0.66 0.0133% 5119.00 5119.94 0.94 0.0187% 4396 16 3671.99 4394.87 1.29 0.0258% 3670.66 1.33 0.0265% 2946.53 2947.97 1,44 0.0287% 2222.36 2223.84 1.48 0.0296% 1498.24 1499.73 1.49 0.0299% 774.08 775.18 1.10 0.0220% 0.01 0.25 0.0049% 0.24

Oven Temperature: 144.7 °F

Sman Gauge Calibration accuracy is confirmed.

55

Calibrated with RUSKA Pressure Standard, model # 2451-700-00 Sorial #26018, Mass Set Serial #25008 Componented to focal acceleration due to gravity

Verified by: CM

Probe Temperature:

144.7 °F

9/5





May 09, 2016 Thomas Long Enterprise Field Services 614 Reilly Ave. Farmington, NM 87401 TEL: (505) 599-2141 FAX

RE: Chaco Plant

Dear Thomas Long:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/15/2016 for the analyses presented in the following report.

Hall Ensteamental Analysis Laboratory 4901 Hawkins NS dimunaryon: NM 8710 282, 505-345-3978 FAA: 808-345-4442

OrderNo.: 1604674

These were unalyzed according to EPA procedures or equivalent. To access our accredited tests please go to www hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is impertative that your review this report in the entrety. See the sample checklist and/or the Chan of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a entrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections simulit be reviewed. All samples are required, as received, unless otherwise indicated. Lab measurement of analyses considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed ouiside of the recommended holding time,

Please don't hesitate to contact HEAL for any additional information or clarifications.

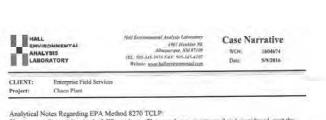
ADHS Cert #A20682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| District J 1625 N. Fransis Dr., Holds, Mid 80240 (20053-31 | State of New Mexico Energy Minerals and Natural Resource | Form C-13 |
|--|--|---|
| TMT W. Guand Avenue, Vineaia, NM #ET10 District, III 1000 Ein Brussen Band, Azum, NM 87310 DuniteTIV 1249 S. & Francis Dr., Santa Fe, NM 87505 | Oil Conservation Division (220 South St. Francis Dr. Santa Fe, NM 87505 | Stardare Waste Management Facility Howards and Generator shall maintain and order shi documentation available for Division in a store |
| | T FOR APPROVAL TO ACCEP | T SOLID WASTE |
| 1. Generator Name and Address: Enterprise Field Services, LLC, 614 Re | | |
| 2. Originating Site: Chaco Gas Plant | | |
| Location of Material (Street Addre UI. M Section 16, T26N, R12W; 36.44 | 56, City, State or ULSTR): (2905, -108,119193, San Juan County, NM | |
| Bentsleitling Von Enmissibles Hermiter | t WasteWater Tanks and from the compressor ski as Water from the compressar skida, nowa Volume (to ke entered by the operator at the | |
| | TOR CERTIFICATION STATEMENT OF V | |
| Generator Signature certify that according in the Resource Ca | e or authorized agent for Enterprise Products Oper intervation and Recovery Act (RCRA) and the US rifed wester is: (Clasch the appropriate abasis feati- | Environmental Protection Agency's July 1988 |
| C RCRA Exempti Oil field waster | s generated from oil and gas exploration and prod hy: Wasne Acceptance Frequence [] Monthly | action operations and are not mixed with pon- |
| RCRA Non-Exempt: Oil field a | wasie which is nun-fazardous that does not exceed regulations, 40 CPR 263 31 (20) 36, or fixed has ing documentation is attached to demonstrate the | d the minimum standards for worke hazardoos b autous wante as defined in 40 CFR, part 261, |
| MSDS Information S RCRA Haz | rardous Waste Analysis 🖾 Process Knowledge | Other (Provide description in Box 4) |
| GENERATOR 19.15.36.15 | WASTE TESTING CERTIFICATION STAT | EMENT FOR LANDFARMS |
| 1, Thomas Long , representat Generator Signature the required testing/tign the Generator W | eve for Enterprise Products Operating authorize in | a complete |
| the required resting sign the creates and w | | |
| have been found to conform to the speci- | tative for <u>Agna More</u> , LLC aste have been subjected to the pater Ofer terr and lie requirements applicable to landlarms parsuant at la demanstrate the above-described waste confe | In Section 15 of 19 15,36 NMAC. The resalu- |
| 5. Transporter: Triple S Trucking | | |
| OCD Permitted Surface Waste Mana | agement Facility | |
| Name and Facility Permit #, *Agua M Address of Facility, SW/4 NW/4 Socia | lean, LLC - Permit 5: NM-61-689 an 2, Township 29N, Range Crouch Mesa, NM | h- |
| Method of Transmost and/or Dispensi- Traporation 🔯) Waste Acceptance Statust | , | 🗌 Landfill 🔲 Other |
| tions marphane plant | | HED (Must Be Maintassed As Permanent Reco |
| PRINT NAME GARDE MAT IN | mile Superin | tendent DATE 12/17 |



Analytical Notes Regarding EPA Method 8270 TCLP-The recovery for pyridine in the LCS was low. The sample was reextracted and reanalyzed, past the holding time, and the initial result, ND, was confirmed.

2017

| Hall Env | iro | nmental Analys | is Labors | itory, Inc. | | | Auglyfical Repart Lan Order 1664674 Duie Reported: 5/9/2011 | e. | |
|--|--------|------------------------------|---------------|---------------------|--|---------------|--|---------|--|
| CLIENT: Enterprise Field Services Project: Chaco Plant Lab ID: 10046744001 | | | Collection | | | Date: W | he ID) Air Dy Dessicant Date: 4/14/2016 10:08:00 AM Date: 4/15/2016 7:20:00 AM | | |
| Analyses | | | Result | PQL Qual | Units | DF | Date Analyzed | Batch | |
| MERCURY, | TGL | , | | | | | Analyst | pmf | |
| Miroury | | | (NO | 0.020 | inst | 1 | 1/28/2016 3:56:44 PM | 24004 | |
| EPA METH | OD 6 | 010B: TCLP METALS | | | | | Analyst | MED | |
| Areanic | | Contraction and the second | ND | 5.0 | mail | 1 | 4/25/2016 11:02:11 AM | 24953 | |
| Banium | | | ND | 100 | marc | 1 | 4/25/2016 11:02:11 AM | 24955 | |
| Cadmium | | | ND | 1.0 | mgiL | 1 | 4/25/2016 11:02:11 AM | 24953 | |
| Chamlan | | | ND | 5.0 | molL | | 4/25/2016 11 02 11 AM | | |
| Loui | | | ND | 5.0 | mgr | | 4/25/2016 11:02:11 AM | 21063 | |
| Selenium | | | ND | 1.0 | mal | 1 | 4/25/2016 11:02:11 AM | 24953 | |
| Silver | | | ND | 5.0 | mol | -1 | 4/25/2016 11:02:11 AM | 24953 | |
| EPA METH | 00 6 | 270G TOLP | | - | 100 | | Analyss | | |
| 2-Melhylph | | | ND | 200 | mol | 1 | 1/22/2016 5:24:22 PM | 24921 | |
| 314-8407-14 | | 1 | NO | 200 | molt | 1 | | 24621 | |
| Phonoi | print. | | ND | 200 | mg/L | 1 | 4/22/2016 6:24:22 PM | 24821 | |
| 2,4-Dinitrot | oluene | | ND | 0.13 | mg/L | 1 | 4/22/2016 6:24:22 PM | 24921 | |
| Howenced | | | ND | 0.43 | mg/L- | | | 24831 | |
| Historican | | | NU | 0.60 | mg/L | | 4/22/2016 0:24/22 PM | 24821 | |
| Hexachioro | ethan | | ND | 3.0 | mg/L | 1 | 4/22/2016 6:24:22 PM | 24921 | |
| Nivobenzer | | | ND | 2.0 | mg/L | 1 | 4/22/2016 5:24:22 PM | 24821 | |
| Pennachlore | rener | of l | ND | 100 | mp/L | 1 | 4/22/2016 6:24 32 PM | 34921 | |
| Pyridwe | | | ND | 5.0 | mart | - 1 | 4/22/2016 6:24:22 PM | 24621 | |
| 2,4,5-Truh | oroper | enul | ND | 400 | mg/L | 1 | 4/22/2016 6:24:22 PM | 24921 | |
| 2,4,6-Trichl | loroph | enol | ND | 2.0 | mg/L | 1 | 4/22/2016 6:24:22 PM | 24921 | |
| Crescie, To | 2.41 | | NILY | :200 | ingit. | 1 | 4/22/2010 0:24:22 PM | 24621 | |
| Sum 2-F | | | 66.1 | 10-121 | Hilten | 1 | 4/22/2010 0:24:22 PM | 24921 | |
| Surr: Phe | | | 41.6 | 31.8-117 | %Rec | 1 | 4/22/2016 6:24:22 PM | 24921 | |
| | | ramaphting | 10, † | 31.3-139 | WRING | 1 | 4/22/2018 8:24:22 PM | 24921 | |
| Sur MD | | | 77.6 | 43(2)-128 | AiRie | | 4/22/2016 6:24/22 PM | 24921 | |
| Sur 24 | | | 73.T | 58,4-114 | WHEE | 1 | | 24921 | |
| Sur 4-T | athie | nyi-ora | 60.0 | 17:4-141 | THRE. | - U | A020/2016 0/24/22 PM | 24021 | |
| EPA METH | 00 8: | 2608: TCLP COMPOUN | DS | | | | Analyst | DJF | |
| Benzere | | | NO | 0.50 | Distri- | 10 | 4/18/2016 1:22 16 PM | 24838 | |
| 1.2-Didnin | neiher | e (EDC) | ND | 0.50 | ppm. | 10 | 4/18/2016 1:23:16 PM | 74835 | |
| 2-Bulanona | 600 | | ND | 200 | ppm | 10 | 4/16/2016 1:23:16 PM | 24836 | |
| Carbon tetra | achior | ide | ND | 0.50 | ppm | 10 | 4/18/2016 1:23:16 PM | 24836 | |
| Chickhiler | wee . | | NO. | 100 | 0000 | 10 | 4/18/2016 1:23:16 PM | 24536 | |
| Diferelemi | | | MO | 6.0 | Population of Contract of Cont | 10 | MIN AL ROT BEDONIS | 248.66 | |
| 1,4-Dishlore | | | ND | 7.5 | (ppm) | 10 | 4/18/2016 1:23:16 PM | 24838 | |
| 1.1-Dichion | milier | e | ND | 0.70 | ppen | 10 | 4/18/2016 1:23:16 PM | 24030 | |
| Refer | to the | e QC Summary report a | nd assupte by | çin ahozklışı far ü | agged QC | data and p | reservation information | | |
| Qualifiers | | Value exceeds Maximum C | onteningent I | | is Analyte | descent in a | he associated Method Blank | | |
| dammenter. | D | Sample Diluted Due to Mat | | | | bove quantit | | | |
| | 11 | Holding must fir preparate | | | T Autiste | driaroad hall | ne quantization limits Page | - | |
| | ND | You Descend a the iligants | | | P linesk | pill Mrs In R | Page | 20[14 | |
| | R | RPD mitside accepted record | | | | ng Detection | | | |
| | 5 | 5% Receivery retries of card | | | | | uperature is out of femil as a | helling | |

| Hall Environmental Analy | sis Labor | atory, In | ic. | | Å | Analytical Report Lab (Inder 1604674 Date Reported: 5/9/2010 | |
|---|-----------|-----------|--------|---------|-----------|--|-------|
| CLIENT: Enterprise Field Services Project: Clasco Plant Lab ID: 1604674-001 | Matric | SOLID | Cu | dection | Date: 4/1 | Dy Dessient 4/2016 10:08:00 AM 5/2016 7:20 00 AM | |
| Analyses | Result | PQL | Qual E | nits | DF | Date Analyzed | Batch |
| SPA METHOD 82508" TOLP COMPOS | INDS | | | - | | Analyst | DJE |
| Tetrachiccostment (PCE) | NO | 0.70 | 0 | iprix. | 10 | 4/15/2018 1:23:10 PM | 24658 |
| Trichkspottena (TCE) | ND | 0.50 | | DOM: | 10 | 4/16/2016 1:23:15 PM | 246.3 |
| winyt chilonge | ND | 0.20 | | (m) | 10 | 4/16/2016 1:23:16 PM | 74638 |
| Sur: 1,2-Dichloroetham-d4 | 104 | 70-130 | | LRen: | 10 | 4/18/2016 1.73 15 PM | 24536 |
| Sum 4-Browofiuorocienzerwi | 105 | 70-130 | | Rec | 19 | 4/16/2016 1:23:10 PM | 2483 |
| Surr. Dibromofluoromethane | 103 | 70-130 | 7 | Rec | 10 | 4/18/2016 1:23:15 PM | 2483 |
| Surr: Toluene-d8 | 99.8 | 70-130 | 9 | (Rec | 10 | 4/18/2016 1:23:16 PM | 24836 |
| | | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information
 Construction
 Construction<

Analytical Report Lan Order 1604674

Date Reported: 5/9/2016

| Hall Er | vironmental Analys | sis Labora | atory, Inc. | | | Analytical Report Lab Order 1604074 Date Reported: 5/9/201 | |
|--------------------------------|---|-----------------------|-------------|-------------|----------|--|---------|
| CLIENT: Project: Lak ID: | Enterprise Field Services Chaos Plant 1604674-002 | Mately | AQUIROUR | Collection | Date: 4/ | n Exempt Tank 4/2016 10:45:00 AM 5/2016 7:20:00 AM | |
| Analyses | | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 8270C TCLP | | | | - | Analyat | DAM |
| 3-Mailtyly | sand | 7407 | 200 | mpi. | τ. | #72/2010 0:54 25 PM | 24521 |
| 3+4-Melh | ylohenol | ND. | 290 | mark | 1 | 4/32/2018 8:54:25 PM | 24921 |
| Prenol | | ND | 200 | mart | 1 | 4/22/2018 6:54:25 PM | 24621 |
| 2.4.0900 | | MD | 0.15 | ngh | a. | 1/33/3016 8-64-95 PM | 34531 |
| Hexachio | obenzenii | NO | 0.13 | mg/L | | 4/33/2016 6:54:25 PM | 24921 |
| | novinciene | ND | 0.50 | mg/L | | 4/22/2018 6:54 25 PM | 24921 |
| Headyla | | NO | 3.0 | mg/L | 1 | 4/22/2016 6:54:25 PM | 24921 |
| Nitrobesta | | ND | 2.0 | mig/L: | 1 | 4/23/2016 0:54:25 PM | 24921 |
| Dantachic | rophenal | ND | 100 | mg/L | 3 | 4/22/2016 0.54.20 PM | 24921 |
| Pyridine | | ND | 5.0 | mg/L | 1 | 4/22/2016 6:54:25 PM | 24921 |
| | Norophenol | ND | 400 | - Jimm | 1 | 4/22/2016 6:54:25 PM | 24921 |
| | N0/0phenol | Alth- | 2.0 | mgit | | 4/22/2016 0.54.25 PM | 24021 |
| Cresols, 7 | | ND | 200 | mg/L | 1 | 4/22/2016 6:54:25 PM | 24921 |
| | Fluctophenet | 44.8 | 15-124 | %Rec | 1 | 4/22/2016 8:54:25 PM | 26921 |
| | hinol-d5 | 33.4 | 15-118 | 16 Rein | . 1 | 4/22/2016 0:54 25 PM | 24921 |
| | & B-Tribrimophenol | 74.6 | 15-148 | %Place | * | 4/22/2016 8:54:25 PM | 24921 |
| | Robenzene d5 | 64.0 | 40.6-124 | %/Rec | - t | 4/22/2016 6:54:25 PM | 24921 |
| | Fluorobiphenyl | 67.4 | 35.7-128 | %Rec | 1 | 4/22/2016 6:54:25 PM | 24921 |
| Sur 4 | Terphonyl-d14 | Serv | 18 8-115 | BARC | 1 | 4/22/2016 0:54:25 PM | 24921 |
| EPA MET | HOD 7479: MERCURY | | | | | Analysi | pmf |
| Military | | 0.0033 | 100020 | mail | | 3/29/2018 11:25.07 AM | 7800EE |
| | B: TOTAL RECOVERABLE N | METALS | | | | Analyst | MED |
| Arsenic | | NE | 5.0 | mgL. | - E | 4/29/2016 11:45:10 AM | 24977 |
| Bariam | | ND | 100 | mail | - 1 | \$/5/2016 8:45:25 AM | 24977 |
| Commission | | ND | 1.0 | mail | 1 | 5/5/2016 8:45:25 AM | 24977 |
| Chromium | | ND | 5.0 | mgL | 1 | 5/5/2016 8:45:25 AM | 24977 |
| Lead | | ND | 5.0 | met- | 1 | 4/29/2010 11:45:10 AM | |
| Seleniore | | MD | 1.0 | mpt | 1 | 5/5/2016 8:45:25 AM | 24977 |
| Saver | | NO | 3.0 | mpL | 1 | 5/5/2016 B:45:25 AM | 94977 |
| CLP VOL | ATILES DY 02600 | | | 1.0 | | Analyse | NIE |
| Benzend | | ND | 13.50 | mig/L | ÷. | 4/26/2010 9:15:00 PM | 01180 |
| 1,2.0kHo | (deltrane (EDC) | ND | 0.50 | mark | 1 | 4/26/2018 9 15:00 PM | 83380 |
| 2 Bulances | | NO | 10 | mort. | 1 | 4/20/2016 9.15:00 PM | PLANED. |
| Carlon Te | wwohlovide | NO | 0.50 | THE | - 1 | 4/74/2016 9 15 00 PM | BILSHO! |
| Chikkloform | n | ND- | 8.0 | mg/L | 1 | 4/28/2016 9:15:00 FM | B33807 |
| 1.4-Dichio | echerrateria- | HD. | 7.5 | mpiL | . 5. | 4/26/2010 9:15:00 PM | 033007 |
| 1.4-Cichle | Pooliterus: | ND | 0.70 | mal. | 1 | 42W/2016 9:15:00 PM | 833807 |
| 1HOOR CONTRACT | obx/tadiene | ND | 0.50 | mail | 1 | | 833803 |
| | r to the QC Summary report i | and the second second | | | | | |

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: Enterprise Field Services Project: Classy Plant Lat. ID: 1604574-002 | Mateix | AQUINOUS | Collection | Date: 4/ | en Exempt Tank 14/2010 10:45.00 AM 15/2016 7/20:00 AM | |
|--|--------|----------|------------|----------|---|--------|
| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
| TELF VOLATILES BY 82608 | - | | | | Analyst | DJF |
| Tetractionostiama (PCE) | NO | 0.20 | mail | | 4/20/2016 9:15:00 PM | B39807 |
| Trichsorpethese (TCE) | 1403 | 0,59 | not | . 1 | 4/26/2016 9:15:00 PM | B33807 |
| Vinyl chinnula | NO | 0.20 | ngt. | 1.1 | 4/26/2016 9:15:00 PM | B33807 |
| Drivarablecasilie | 1003 | 100 | -maA | | 4/26/2018 9:15:00 PM | B3380 |
| Sun 1,2-Dichoromana-d4 | 101 | 70-130 | %Rec | 1 | 4/26/2016 9:15:00 PM | B33807 |
| Sun 4-Bremultusetaenzene | 100 | 70/130 | 16Rec | 1 | 4/26/2016 5:15:00 PM | 833807 |
| Sur, Diskonofluciomilihume | 104 | /0-130 | TERME | | 4/20/2010 IK15:00 PM | B3380) |
| Surr: Toluene-d8 | 94.2 | 70-130 | %Rec | 1 | 4/26/2016 9:15:00 PM | B33807 |
| | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

14 U.S.

 Qualifiers
 Constraint (report and many region constraint)
 Images (2)
 Constraint (report and many region constraint)

 Qualifiers
 Constraint (report and many region constraint)
 R
 Analysis (report tables)
 Note constant (report and some constraint)

 If it isolating unuse for perparation or constraint(second and tables)
 R
 Analysis (report tables)
 Note constant (report and some constraint)

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 P
 Analysis (report babas posterion in limits)
 Note posterion in limits (respect for the some constraint)

 If IP constraint constraint (respect recovery limits)
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 Respect for IVA (s. Respect for IVA)

 If IP constraint constraint (respect recovery limits)
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 If IP constraint constraint (respect recovery limits)
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 Respect for IVA (s. Respect for IVA)

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 Respect recover post (respect for IVA)

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 Respect (respect for IVA)

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 Respect (respect for IVA)

 IF IP constraint constraint (respect recovery limits)
 R
 Sample constaint temperature is out of limit as s

Value exercit Maximum Counsminut Level.
 Sample Dilated Dee to Matrix
 H
 Huhding Brane Re-preparation or analysis excepted
 Arti 1440 Deserted at the Reporting Enrol
 RPD matter accepted resource limits
 S
 RPD matter accepted resource limits
 S
 % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Mask
 Value above quantization range
 Analyte detected Jefury assuminants family Page 4 of 1.6
 Pomuly p1 (for in R mays
 Response) Detection Limit (
 W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

| Client: Enterp Project: Chaco | rise Field Se Plant | rvices | | | | 1 | | | | |
|----------------------------------|------------------------|-----------|------------|-------------|----------|------------|--------------|---------|------------|---|
| Sample ID mb-24836 | Samp | Cyse: Mi | BLK | Tes | Curin E | PA Matind | BRANK TOLP | Company | oshi - | _ |
| Client ID: PBS | Baic | 10 34 | 836 | | Invite a | 3605 | | | | |
| Prep Date: 4/15/2016 | Analysis [| Date: 4 | 18/2016 | | SegNo: 1 | 034248 | Units: ppm | | | |
| Analyte | Résult | | | SPK RM Val | | | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | S.U. HOUSE | SLU UNE AND | AINEL | Principle. |) myre-ann | and o | No. Dealin | - Contract |
| 1.2-Dichloroethane (EDC) | ND | 0.050 | | | | | | | | |
| 2-Butanone | ND | 20 | | | | | | | | |
| Cerbon tetrachiorida | ND | 0.050 | | | | | | | | |
| Discinaryana | ND | 10 | | | | | | | | |
| Chioroform | ND | 0.60 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.75 | | | | | | | | |
| .1-Dichloroethene | ND | 0.070 | | | | | | | | |
| Telvart/tomeltiene (PEE) | ND | 0.070 | | | | | | | | |
| Intrationations (TCE) | NO | 0.050 | | | | | | | | |
| Vinyl chloride | ND | 0.020 | | | | | | | | |
| Sur: 1,2-Dichloroethane-d4 | 0.51 | | 0.5000 | | 101 | 70 | 130 | | | |
| Sur: 4-Bromofluorobenzene | 0.52 | | 0.5000 | | 105 | 70 | 130 | | | |
| Sur. Districtuorenethese | 0.52 | | 0.5000 | | 104 | 70 | 130 | | | |
| Birr Trikimiertő | 0.51 | - | 0.5000 | | 101 | 70 | 130 | _ | | |
| Sample IO Icp-24836 | Simp | Type: LC | 5 | Tes | Cose E | PA Method | \$2408: TCLP | Compos | nde | |
| Client ID LOSS | Balin | h ID: 24 | 336 | | hunble 2 | 3608 | | | | |
| Prep Divie 4/15/2016 | Analysis I | America A | 18/2016 | | SugNa 1 | 934249 | Unit: ppm | | | |
| Ananas | Result | POL | SPK WINH | SPK Ref Val | WREC. | LOWLINK | HighLimit | 1APD | RPDLimit | Quai |
| Benzene | 1.1 | 0.050 | 1.000 | 0 | 108 | 70 | 130 | | | |
| Chlorobenzene | 1.0 | 0.050 | 1.000 | 0 | 102 | 70 | 130 | | | |
| 1,1-Dichloroethene | 1.1 | 0.050 | 1.000 | 0 | 107 | 70 | 130 | | | |
| Trichickolihwee (TCE) | 1.0 | 0,050 | 1.000 | 0 | 104 | 70 | 130 | | | |
| Sur 13-068/strattine-d4 | 0.52 | | D.5000 | | 103 | 70 | 150 | | | |
| Sun 4-Bromofilioroberizenii | 0.53 | | 0,5000 | | 105 | 70 | 190 | | | |
| Sur: Dioromotiuoromethane | 0.54 | | 0.5000 | | 105 | 70 | 130 | | | |
| Sur: Toluene-d8 | 0.52 | | 0.5000 | | 105 | 70 | 130 | | | |

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc. Cliest: Enterprise Field Services

| Ecompte ID: web dell | Sump | Type: Mt | DLR | Ter | Code: T | CLP Yolall | ies by szees | | | |
|--|----------|----------|-----------|-------------|-----------|-------------|--------------|-------|--------------|--------|
| Client (D: PBW | Ba | THE B | 13807 | | RunNo: 1 | 3807 | 1.010 | | | |
| Prep Date: | Analysis | Detn: 4 | 26/2016 | | SegNa, 1 | 041350 | Units: mg/L | | | |
| Analyte | Result | POL | SRK value | SPK Ruf Val | WREC | LowLint | HohLint | 1.820 | RPOLIm/L | Qual |
| Benzene | ND | 0.50 | | | | | | | THE RESIDENT | - |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | | | | | | | |
| 2-Butanone | ND | 10 | | | | | | | | |
| Carbon Tetrachloride | ND | 0.50 | | | | | | | | |
| Chloroform | ND | 6.0 | | | | | | | | |
| 1,4-Dichiorobenizine | ND | 7.5 | | | | | | | | |
| 1.1 Dichisenationa | ND | 6.70 | | | | | | | | |
| Have goth for the characteristic state of the second s | ND | 0.50 | | | | | | | | |
| Tetrachioroethene (PCE) | ND | 0.70 | | | | | | | | |
| Trichloroethene (TCE) | ND | 0.50 | | | | | | | | |
| Vinyl chloride | ND | 0.20 | | | | | | | | |
| Chlorobenzene | ND | 100 | | | | | | | | |
| Sutt: 1,2-Dichloroethane-d4 | 0.0099 | | 0.01000 | | 98.9 | . 70 | 130 | | | |
| Sur. 4-Bonchumberzere | 0,011 | | 0.01000 | | 107 | 70 | 130 | | | |
| Sur DhonelLoremétraire | 0.011 | | 0.01000 | | 105 | 70 | 130 | | | |
| Sur Taluenavat | 0,0098 | | 0.01000 | | 98.4 | 70 | 130 | | | |
| Sample (D) 100mg les | Samp | Type: LC | s | Tes | Coole T | CLP Volatil | tes by 6260B | _ | | _ |
| Client ID: LCSW | BAK | hID B3 | 3807 | 5 | timble: 1 | 3807 | | | | |
| Prep Date: | Analysis | Date: 4 | 26/2016 | 1 | ingNo: 1 | 041360 | Units: mg/L | | | |
| Analyte | Rasult | PQL | SPK value | SPK Rid Val | NREC | LOWLATE | HighLimit | SIRPD | RPDLimit | Cauge) |
| Berchre | 0.022 | 0.0010 | 0.02000 | a. | 112 | 70 | 130 | | | - |
| 1,1-Dichlomethere | 0.021 | 0.0010 | 0.02000 | 0 | 106 | 70 | 130 | | | |
| Trial Rolling Theory (TGB) | 0.021 | 0,0010 | 9,02000 | U | 103 | 70 | 130 | | | |
| Chicolantulere | 0.019 | 0.0010 | 0.02000 | 0 | 96.6 | 70 | 190 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.010 | | 0.01000 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluoroberurene | 0.010 | | 0.01000 | | 105 | 70 | 130 | | | |
| Sur: Dibromofluoromethane | 0.011 | | 0.01000 | | 107 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.0095 | | 0.01000 | | 94.9 | 70 | 130 | | | |

WO: 1504674

09-Mar-16

- Qualifier:
 If
 Analyte detected in the associated Method Blank

 •
 Value records Maximum Contaminant Level.
 If
 Analyte detected in the associated Method Blank

 D
 Sample Dated Date to Maximum Contaminant Level.
 If
 Value above quantitation range

 If
 Itability times for preparation or studyies saccodul
 I
 Analyte detected in the associated methods.

 If
 Itability times for preparation or studyies saccodul
 I
 Analyte detection Iteline quantitation range.

 If
 Itability times for preparation or studyies saccodul
 I
 Analyte detection Iteline quantitation times.

 10
 Test Detections a for Reporting Level.
 P
 Sample times the preparation is not of limit as specified.

 2
 % Recovery outside of range due to dilution or matrix
 W
 Sample container temperature is out of limit as specified.
 Page 7 of 14

| Hall Environmen | tal Anal | ysis | Laborat | ory, Inc. | | | | | WQU. | 3484564 99-May-10 |
|--|-----------------------------------|-----------|-----------|--|--------------------------|--|--------------------|-----------|-----------------|----------------------|
| Client: Enterp | rise Field Ser | vices | | | | | | | | |
| Project: Chaco | | | | | | | | | | |
| Eampic ID mb-24921 | Samp? | iper M | aLK | Tur | Goder 2 | PA Method | STOC TOLF | _ | | |
| Clinni ID: PBS | Batch | 10: 2 | 4921 | R | unNo: 3 | 3739 | | | | |
| Prep Date: 4/21/2016 | Analysis D | | | | eqNo: 1 | | Units: mg/L | | | |
| | | | | | - | | | | | 1.1 |
| Analytin Z-Methylohenol | Result | PQL 200 | | SPK Ref Val | MREC | LawLinii | HighLinit | NRPD | RPOLImit | Gual |
| S+4-Mathylphanol | ND | 200 | | | | | | | | |
| Phenol | ND | 200 | | | | | | | | |
| 2.4-Dinitrotokuener | ND | 0.13 | | | | | | | | |
| Hexachlorobenzene | ND | 0.13 | | | | | | | | |
| Hasidivisiadene | ND | 0.50 | | | | | | | | |
| Hexadilaroseune | ND | 3.0 | | | | | | | | |
| Nitrobenzene | ND | 2.0 | | | | | | | | |
| Paritachilvinghandi | ND | 100 | | | | | | | | |
| Publice | ND | - 50 | | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | | | | | | | |
| Cresols. Total | ND | 200 | | | | | | | | |
| Sur: 2-Fluorophenol | 0.12 | 200 | 0.2000 | | 58.4 | 19 | 121 | | | |
| Sum Phonol d5 | 0.087 | | 0.2000 | | 43.5 | 31.8 | 117 | | | |
| Sur: 2.4.6-Tribromophenol | 0.17 | | 0.2000 | | 84.1 | 31.3 | 139 | | | |
| Surr. Nibobirtzinie-d5 | 0.084 | | 0.1000 | | 64.3 | 48.2 | 128 | | | |
| Sur. 2-Playoboteryl | 0.064 | | 0 1000 | | 82 A | 58.4 | 114 | | | |
| Sur A-Terphenyl-214 | 0.067 | | 0.1000 | | 67.3 | 17.4 | 141 | | | |
| Sample ID mb-25008 | | | 2/112 | - | | | 8270C TCLP | | | _ |
| | Samp1 | | | | _ | | 82/0C TCLP | | | |
| Climi ID: PBS | Bald | 1D 2 | 5008 | R | unNo: 3 | 3838 | | | | |
| Prep Dale: 4/27/2016 | Analysis D | lare y | 127/2016 | 5 | HigNo: 1 | 042551 | Units: %Rec | F | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Quai |
| Surr: 2-Fluorophenol | 0.16 | | 0.2000 | | 80.7 | 19 | 121 | - | 1000 | |
| Surr: Phenol-d5 | 0.17 | | 0.2000 | | 82.7 | 31.8 | 117 | | | |
| Sur: 2,4,6-Tribromophenol | 0.17 | | 0.2000 | | 05.1 | 31.3 | 130 | | | |
| Sum Nitrobenzene-d5 | 0.081 | | 0.1000 | | 81.5 | 48.2 | 128 | | | |
| Sur: 2-Fluorobiphenyl | 0.088 | | 0.1000 | | 87.6 | 58.4 | 114 | | | |
| Sur 4.Tephanyl.d14 | 0.064 | | 0.1000 | | 64.0 | 17.4 | 141 | | | _ |
| Sample ID Ica-25008 | Samp | ype: L | cs | Ten | Doder E | PA Method | 8270C TOLP | - | | - |
| Climit ID: LCSS | | 10 2 | | | untier 1 | | | | | |
| Prep Date: 4/27/2016 | Analysin E | | | | Gentlick 1 | | Links: NRec | 1 | | |
| Analyte | Rasult | FOL | | SPK Rat Val | - | LowLinit | HighLinit | SRPD | RPDLimit | Club |
| Surr 2-Fluoropheriol | 0.095 | 1.46 | 0.2000 | a. ti min #di | 47.9 | 19 | 121 | | Cit amondit | |
| Serr Phenol-45 | 0.078 | | 0.2000 | | 39.1 | 31.6 | 317 | | | |
| Sar: 2.4,6-Tribromophanol | 0.16 | | 0.2000 | | 81.9 | 31.3 | 139 | | | |
| Qualifiers: Value escepta Maximum 11 Sample Dilated Date (a) H Holding times for prepar ND Not Detected at the Rep | Vision or analysi orting Limit | | led | U Value a J Analyte P Sample | detected I pll Not In | estation cargo selow quantit Range | | ui. | Page 8 c | ef 14 |
| R RPD outside accepted re | | | | | ng Detecti | | | | | |
| S % Recovery outside of r | ange due to dilu | tion or r | matrix | W Sample | container | temperature. | is out of limit as | specified | | |

| QC SUMMAR Hall Environmen | | | aborat | ory, Inc. | | | | | WARE. | 1604674 99-May-18 |
|--|------------------|--------------|---------------------|-----------------|--------------|-----------------------------------|--------------------|------------|------------|----------------------|
| Client: Enterp | ise Pield Se | nvices. | | | | | | | | |
| Project: Chaco | Plant | | | | | | | | | |
| Dampte ID 1ca-2000 | Samp' | Cyper La | 3 | Tex | iCiude El | PA Method | BITOC TOLP | | | |
| Client ID LCSE | Bald | 10: 25 | 800 | | tunHis 3 | 3830 | | | | |
| Prep Dale: 4/27/2016 | Analysis I | Jale 4 | 27/2016 | | SegNo: 1 | 042552 | Units WAw | | | |
| Analyte | RinsLift | POL | | SPE Ref Val | NREC | LowLint | Hatturet | SRPO | RPDLimit | Goel |
| Swr. Nirchanzerie-d5 | 0.065 | i di | 0.1000 | We at 1 day and | 85.1 | 48.2 | 12/ | and G | To Deliver | agore: |
| Sam 2-Fixerobiohamil | 0.062 | | 0.1000 | | 81.7 | 58.4 | 114 | | | |
| Sur: 4-Terniveny6d14 | 0.056 | | 0.1000 | | 56.3 | 17.4 | 141 | | | |
| Sample ID Ice-24921 | Samo | TYDE LC | 5 | Tet | Code: E | PA Method | 8278C TOLP | | | |
| Client ID LCSS | | NID: 24 | | | Runkia: 3 | | -9111- | | | |
| Prep Date: 4/21/2016 | Analysis I | | | | SegNo: 1 | | UMIN MURL | | | |
| | | | | | | | | - | | 1000 |
| Analyte 2-Methylphenol | Nersult 0.074 | PGL 0.010 | 3PK value 0.1000 | SPK Ref Val | %REG 74.5 | LowLimit 37,6 | HighLand 110 | WRPD | RPDLimit | Quai |
| 3+4-Mathyloherol | 0.074 | 0.010 | 0,1000 | 0 | 73.9 | 30.5 | 140 | | | |
| 2.1 Deletablione | 0.072 | 0,010 | 0,2000 | | 71.8 | 21.0 | 03.7 | | | |
| Hexachlorobenzene | 0.087 | 0.010 | 0.1000 | 0 | 86.7 | 40 | 114 | | | |
| Hexachlorobutadiene | 0.066 | 0.010 | 0.1000 | 0 | 65.9 | 37.4 | 119 | | | |
| Hexachloroethane | 0.057 | 0.010 | 0.1000 | 0 | 57.2 | 33.8 | 105 | | | |
| Ntroberusre | 0.077 | 0.010 | 0.1000 | 0 | 77.3 | 33.4 | 115 | | | |
| Pentachiorophenol | 0.073 | 0.010 | 0.1000 | Ū | 73.0 | 27.9 | 90.3 | | | |
| Pyridine | 0.011 | 0.010 | 0.1000 | 0 | 11.3 | 29.3 | 105 | | | S |
| Z,4,5-Trichtarophenial | 0.008 | 0.010 | 0,1000 | 0 | 97.0 | - 34 | 118 | | | |
| 2,4,8-Trichlorophenol | 0.097 | 0.010 | 0.1000 | 0 | 36.5 | 54,1 | 109 | | | |
| Cresols, Total | 0.22 | 0.010 | 0.3000 | 0 | 74.1 | 30 | 136 | | | |
| Sort 2-Floorophenol | 0.10 | | 0.2000 | | 52.0 | 19 | 121 | | | |
| Sim Prantini | .0.(892 | | 0.2000 | | 40.0 | 91.0 | 147 | | | |
| Sur: 24.6-Tribromophenol | 0.17 | | 0.2000 | | 85.4 | 31.3 | 139 | | | |
| Sur: Nitrobenzene-d5 | 0.081 | | 0.1000 | | 81.3 | 48.2 | 128 | | | |
| Sum: 2-Fluorobiphenyl | 0.083 | | 0.1000 | | 83.0 | 58.4 | 114 | | | |
| Son: 4-Tephenyidti | 9.069 | _ | 0,1000 | | 69.3 | 17,4 | 141 | | | |
| Sample ID Icad-24821 | Samp | Type: LO | SD | Ter | iCode: E | PA Mathod | 8270C TCLP | | | |
| Clinit ID: LCS502 | Batc | n (D. 24 | 921 | 1.1 | RunNo: 3 | 3739 | | | | |
| Prep Dave 4/21/2016 | Алаўлая (| Dami A | 22/2016 | | Segnio 1 | 042555 | time: mg/L | | | 1.1 |
| Analyte | Result | PQL | SPK value | SPK Ref Val | AREC | LowLint | FlighLimit | 76RPD | RPDLimit | Giosi |
| 2-Methylphenol | 0.078 | 0.010 | 0.1000 | 0 | 77.6 | 37,6 | 110 | 4.13 | 20 | |
| 3+4-Maritylphmed | 0.17 | 0.010 | 0.2000 | 9 | 83,8 | 30.5 | 148 | 12.6 | 30 | |
| 2,4 Dimitrolokuste | 0.074 | 0.010 | 8.1000 | - D | 73.9 | 24.0 | 03.7 | 2,88 | 20 | |
| Hexachlorobenzene | 0.091 | 0.010 | 0,1000 | 0 | .90,8 | 40 | 514 | 4,57 | 20 | |
| Herecklowedathere Nacionalizations | 0.066 | 0.010 | 0,1000 | 0 | 65,9 | 37.4 | 119 | 0.0303 | 20 | |
| Na sachtornalitumo Mitrobenzane | 0.064 | 0.010 | 0.1000 | 0 | 81.4 | 33.8 | 105 | 5.19 | 20 | |
| | 3.041 | 2010 | 3,1000 | | 21.10 | 344 | 110 | 3.15 | | _ |
| Qualifiers: | - Companying | | | | | | and Marked 111 | | | |
| Value exceeds Maximus D Sample Diluted Due to N | | Level. | | | | in the associa ititation range | ted Method Bla | - | | |
| H Huiding unter the propa | | a manual | 4 | | | helow quanti | | | Page 9 d | F 1.4 |
| ND No Deserved at the Kept | | - cercia | - | | pH No. is | | and the second | | raffe à t | |
| R RPD outside accepted re | | | | | ing Detecti | | | | | |
| S % Recovery outside of a | | at an an a | and a | | | | is out of limit as | enterid at | | |

Page 6 of 14

9499 (604674

- Qualifier:
 The Analyse detected in the same land. Mained Illust.

 **
 Value records Marsing Contaminant Level.
 The Analyse detected in the same land. Mained Illust.

 13
 Jampie Distinct Days in Maine:
 E
 Value down examination means.

 17
 Holding times for preparations or analysis excepted.
 1
 Analyse detected below quantitation limits.

 10
 Ison Diversed: as its response Limit.
 P
 Sample pri Yiels. Its Marge

 15
 % Recovery outside of range due to diffusion or matrix
 W
 Sample container importance is out of limit as specified.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: Enterprise Field Services

Oualifiers:

| Annhysis D | ana Al | and and and and | | | | | | | |
|------------|---|---|---|--|---|--|---|--|--|
| | - an | 22/2016 | 3 | incNo: 1 | 042555 | Units mg/L | | | |
| Reull | POL | SPK value | SPK Ref Val | KREC | LowLint | Huttim | MRPD | RPDLimit | Quil. |
| 0.079 | 0.010 | 0,1000 | 0 | 79.0 | 27.9 | 90.3 | 7.79 | | |
| 0.017 | 0.010 | 0.1000 | | 16.6 | 29.3 | 105 | 38.8 | 20 | RS. |
| 0.10 | 0.010 | 0.1000 | ú | 103 | 34 | 118 | 5.40 | 20 | |
| 0.097 | 0.010 | 0.1000 | 0 | 97.2 | 34.1 | 109 | 0.599 | 20 | |
| 0.25 | 0.010 | 0.3000 | 0 | 81.7 | 30 | 136 | 9.82 | 20 | |
| 0.12 | | 0.2000 | | 61.6 | 19. | 121 | | | |
| 0.096 | | 0.2000 | | -68.2 | 31.8 | | | | |
| 0.19 | | 0.2000 | | 95.3 | 31.3 | | | | |
| 0.085 | | 0.1000 | | 85.3 | | | | | |
| 0.087 | | 0.1000 | | 86.7 | 58.4 | 114 | | | |
| 0.069 | | 0.1000 | | 69.3 | 17.4 | 141 | | | |
| | 0.079 0.017 0.10 0.097 0.25 0.12 0.12 0.12 0.19 0.49 0.085 0.087 | 0.079 0.010 0.017 0.010 0.007 0.010 0.007 0.010 0.25 0.010 0.12 0.049 0.085 0.087 | 0.079 0.010 0.1000 0.017 0.010 0.1000 0.10 0.1000 0.1000 0.017 0.010 0.1000 0.107 0.010 0.1000 0.25 0.010 0.1000 0.12 0.2000 0.12 0.181 0.2000 0.191 0.193 0.1000 0.1000 0.087 0.1005 | 0.079 0.010 0.1000 0 0.017 0.010 0.1000 0 0.017 0.010 0.1000 0 0.017 0.010 0.1000 0 0.027 0.010 0.1000 0 0.025 0.010 0.2000 0 0.19 0.2000 0 0.10 0.198 0.2000 0 0.19 0.085 0.1000 0 0.000 0.086 0.1000 0 0.085 | 0.079 0.010 0.1000 0 75.0 0.017 6.010 0.1060 0 75.0 0.017 6.010 0.1060 0 16.0 0.010 0.100 0.1000 0 16.0 0.010 0.0100 0.1000 0 17.0 0.25 0.010 0.3000 0 81.6 0.048 0.2000 481.2 0.19 0.2000 55.3 0.186 0.1000 26.5 0.067 45.3 0.067 0.005 85.3 | 0.02% 0.010 0.1000 0 78.0 27.9 0.017 0.010 0.1000 0 78.0 27.9 0.017 0.010 0.1000 0 10.0 27.9 0.110 0.010 0.1000 0 10.0 34.4 0.017 0.010 0.1000 0 10.7 30.0 0.12 0.2000 0 81.7 30.0 11.7 30.0 0.168 0.2000 0 81.7 30.0 11.3 11.6 11.6 0.198 0.2000 95.3 31.3 10.066 0.1000 85.3 48.2 10.4 0.047 0.1000 85.3 48.2 10.4 10.0 | 0.079 0.010 0.1000 0 78.0 27.6 90.3 0.017 60.10 0.1060 0 16.6 29.3 105. 0.10 0.010 0.1060 0 16.5 29.3 105. 0.10 0.010 0.1060 0 10.5 3.4 118. 0.097 0.010 0.1000 0 97.2 34.1 109. 0.025 0.010 0.3000 0 87.7 30 136. 0.12 0.2000 81.5 16 19 127 0.18 0.2000 85.3 31.3 135 0.186 0.1000 265.3 48.2 128 0.048 0.1000 265.3 48.2 128 | 0.079 0.010 0.1000 0 75.0 27.5 96.3 77.9 0.017 0.010 0.1000 0 16.0 | 0.079 0.079 0.1790 0.7900 0 750. 27.9 56.3 37.76 67.80 0.017 0.0171 0.1000 0 100. 53.4 198 3.40 30 0.017 0.0170 0.1000 0 100. 34. 198 3.40 30 0.007 0.0170 0.1000 0 100. 34. 198 3.40 20 0.007 0.010 0.3000 0 97.2 34.1 109 0.5669 20 0.132 0.2000 0 81.7 30 9.82 20 0.132 0.2000 81.5 141 9.7 20 30 0.149 0.2000 41.2 31.4 138 0 20 0.149 0.2000 41.2 31.4 138 0 20 0.046 0.2000 48.3 31.3 138 0 20 0.049 0.2000 85.3 <t< td=""></t<> |

-100 1604074

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09-May-16

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Sample IN MB-25068 | SumpType: MELK | TostCode EPA Method | 7470: Mercury | 0 | | - |
|-----------------------|--------------------------|---------------------------|---------------|------|----------|------|
| Dent ID PBW | Baich ID: 25068 | RunNo: 33987 | | | | |
| Prep Date: 4/28/2016 | Analysis Dala: A/29/2016 | SegNa: 1044543 | Units: mg/L | | | |
| Analyte | Result POL SPK value | SPK.Ref Val WREC LowLinit | Hohumi | WHPD | RPOLinit | Qual |
| Mercury | ND 0.00020 | | | | | |
| Sample ID LCS-25066 | SimpType LCB | TestCode EPA Method | 7670: Mercury | () | | |
| Client (D LCSW | Basch (B) 25066 | RonNo: 33807 | | | | |
| Presc Date: 4/26/2018 | Analysis Dawn 4/29/2016 | SegNo 1044544 | Linth mg/L | | | |
| Analyte | Result PQL SPK value | SPK Ref Val MREC LowLine | HighLimit | SHPD | RPDLimit | Qual |
| Mercury | 0.0051 0.00020 0.005000 | 0 102 80 | 120 | | | - |

WO- 1004074

09-May-16

09-Mar-14

Qualifiers:

Quanters
Value exceeds Maximum Contaminant Leves.
D Sample Dilated Dae to Marie:
H Halling items for programming on analysis exceeded
H Halling items for programming and
K RPD outside accepted recovery limits
R RPD outside accepted recovery limits
% Incovery market of range day to delition or materix.

- Page 11 of 14
- B Analyte detected in the associated Method Blank
 Value above quantitation range
 Value above quantitation range
 Analyti Artistich Valuer quantitation busis
 Sample JH Nos to Range
 RL. Reporting Detection Limit
 W Sample container transmission is out of limit es spo
- is out of limit as spacified.

OC SUMMARY REPORT -----Hall Environmental Analysis Laboratory, Inc. 09.May-16 Enterprise Field Services Client: Project: Chaco Plant TeolGode: MEROURY, TOLP RunNis: 33798 Sample ID MB-24964 SampType MBLK Billch ID: 249M Client ID: PBW SegNo: 1040933 Units: mg/L Prep Date: 4/26/2016 Analysis Date 4/26/2015 Analyte Result PQL SPK value SPK Ref Val KREC LowLinit, HighLinit KRPD RPCLavit, Qual-NO 0.020 Sample ID LCS-34094 SameType: LCS TestCode: MERCURY, TCLP Bends ID 24994 Analysis Citic 4/26/2016 Client-ID: LGBW Prep Dale: 4/26/2016 Runteo 33788 BirdNo: 1040935 Unite: mg/L Analyte
 Result
 PGL
 SPK value
 SPK Val
 SPEC
 LowLine
 HighLineL
 SRPD
 RPDLine
 Dual

 ND
 0.020
 0.005000
 0
 99.3
 80
 120
 Mercury

 Quantifiere:
 Numeric consummant Invert
 H
 Analysis disticuted in the associantid Mathod Hark's

 17
 Simple Distance There is Notice:
 K
 Value extended Mathod Hark's
 K

 18
 Itability Binney Constraintion or matrix
 K
 Value extended Mathod Hark's
 K

 50
 Sec Densels at its & Separating Earning
 F
 Support Ji Note Karger
 K

 51
 Sec Densels at its & Separating Earning
 F
 Support Ji Note Karger
 K

 52
 Sec Densels at its & Separating Earning
 F
 Support Ji Note Karger
 K

 53
 Sec Densels at its & Separating Earning
 F
 Support Ji Note Karger
 K

 54
 Sec Densels at its & Second Processory Binsh
 R.
 Report Beetring Landt
 K

 55
 % Recovery outside of nange due to dilution or matrix
 W
 Sample container temperature is out of limit as specified

QC SUMMARY REPORT WWW 1884674 Hall Environmental Analysis Laboratory, Inc. Chent: Enterprise Field Services Project: Chaco Plant

| Sampio ID MB-24555 | Gamp1 | Type: MI | DLK | Tes | Code. E | PA Method | 00108: TCL | P Metals | | |
|--|--|--|---|---------------------------------|---|---|--|----------|----------|------|
| Client ID: PBW | Batc | h ID: 24 | 953 | | RunNo: 3 | 3748 | | | | |
| Prep Date: 4/22/2016 | Analysis (| ater, 4 | 25/2016 | 4 | SegNo: 1 | 019448 | Units mg/L | | | |
| Analyte | Resul | POL | SPK value | SPK Ret Val | AREC | Lowint | HighLimit | SRPD | RPOLimit | Quel |
| Arsenic | ND | 5.0 | - | | | | | | | |
| Barium | ND | 100 | | | | | | | | |
| Cadmium | ND | 1.0 | | | | | | | | |
| Chromium | ND | 5.0 | | | | | | | | |
| Lead | ND | 5.0 | | | | | | | | |
| Selenium | ND | 1.0 | | | | | | | | |
| | | | | | | | | | | |
| Silver | ND | 5.0 | | | | | | | | |
| Silver | _ | 5.0 Type 1.6 | _ | Tea | Gude E | PA Method | | P Metala | - | |
| | Same | - | .5 | | Cude e | | 6010B: TCL | P Metale | - | - |
| Sample ID LCC-24953 | Same | 7791 6.6 h ID: 24 | :5 053 | | | 3748 | SafaB: TCU Units: mg/L | | | |
| Samele ID LCS-24953 Client (D: LCSW | Seme1 Baild | 7791 6.6 h ID: 24 | 15 1953 125/2016 | | iniNa is | 039449 | | | RPDLimit | Qual |
| Somele ID LCS-24955 Gent ID: LCSW Prep Date: 4/22/2016 | Same Baild Analysis E | Type C.G h ID: 24 Date: 4 | 15 1953 125/2016 | f | iunNa is SeqNo: 1 | 039449 | Units: mg/L | | RPDLimit | Qual |
| Somelo ID LCS-24953 Dawi (D: LCSW Prep Date: 4/22/2016 Analyte | Same1 Itald Analysis E Result | Type 6.6 h ID: 24 Date: 4 PQL | 5 953 (25/2016 SPK value | f SPK Ref Val | BegNo: 1 %REC | lä748 039449 LowLimit | Units: mg/L HighLimit | | RPDLimit | Qual |
| Somele ID: LCS-24950 Client ID: LCSW Prep Date: 4/22/2016 Analyte Arsenc | Semi1 Baild Analysis E Result ND | Type Lis h ID: 24 Date: 4 PQL 5.0 | 3 125/2016 SPK value 0.5000 | SPK Ref Val | SeqNo: 1 SeqNo: 1 SeqC 109 | 13748 039449 LowLimit 80 | Units: mg/L HighLimit 120 | | RPDLimit | Qual |
| Someke ID LCO-24953 Dilwi (D: LCSW) Prep Date: 4/22/2016 Analyte Risenc Barlum | Semi1 Baild Analysis E Result ND ND | 7794 6.6 h ID: 24 Date: 4 PQL 5.0 100 | :5 1953 125/2016 SPK value 0.5000 0.5000 | SPK Ref Val 0 0 | BunNis S SeqNo: 1 %REC 109 98.0 | 13748 039449 LowLimit 80 80 | Units: mg/L HighLimit 120 120 | | RPDLimit | Qual |
| Bornole ID LCG-24950 Clian/ (D: LCSW Prop Date: 4/22/2016 Analyte Assenc Barlum Cadmium | Samat Bailet Analysis E Result ND ND ND | Frpa LG h ID: 24 Date: 4 PQL 5.0 100 1.0 | :5 1953 125/2016 SPK value 0.5000 0.5000 0.5000 | SPK Ref Val 0 0 0 | BunNo 3 SeqNo: 1 %REC 109 98.0 102 | 13748 039449 LowLimit 80 80 80 | Units: mg/L HighLimit 120 120 120 | | RPDLimit | Qual |
| Biomekic ID LCD-ob4600 Calwryl (D: LCSW) Prop Date: 4/22/2016 Analyte Astenic Barlum Cadmium Colomium | Samut Baijd Analysis E Result ND ND ND ND | Fype 66 h ID: 24 Pole 4 FOL 5.0 100 1.0 5.0 | 25/2016 25/2016 SPK value 0.5000 0.5000 0.5000 0.5000 0.5000 | SPK Ref Val 0 0 0 0 | SeqNo: 1 %REC 109 98.0 102 97.6 | 13748 039449 LowLimit 80 80 80 80 | Units: mg/L HighLimit 120 120 120 120 | | RPDLimit | Qual |

Qualifiers:

- Qualifier:

 Yake exoloh Maximum Contaminant Level.

 D Sample Diluted Dae to Marie

 III Halding timos, for preprutitary to analysis stranskol.

 PD For Downrada as the Regionming Lamit.

 R RPD onside as the Regionming Lamit.

 R RPD onside accepted precovery limits.

 % Recovery outside of range due to dilution or matrix.

- Page 12 of 14
- B Anatyle detected in the associated Method Blank
 Value above quantifiation range
 / Anatyle detected below quantifiation limits
 benyts pill Sive is Range.
 Reporting Detection Limit
 W Sample container temperature is out of limit as specified

Qualifiers

 Qualifier:
 • Value records Maximum Consumnant Level.

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 Sample Datated Data to Maxim

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 S
 % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank Vahe above quantitation range J Analyte Analota Heart quantitation limits sumple ref Nice IN Range RL Reporting Detection Limit Sample container temperature is out of limit as specified

Page 13 of 14

| lient: roject: | Enterprise Chaco Play | | Vices | | | | | | | | |
|--|--|---|--|--|--|---------------------------------|--|--------------------|------------|----------------|--|
| Sample ID Mill-24 | | _ | per MB | ILK | | TestCod | lo: EPA 60105: | Total Recove | nabile Met | als | |
| Vep Date: 4/25/3 | 2016 | Batch Annlysis Dr | ID: 249 | | | | lo: 33820 | Unite mail | | | |
| unayou . | | Resit | POL | | e SPK Ref | | REC LOWLIMI | | | RPOLimi | Cual |
| aemc ad | | ND | 0.020 | | | | 12.02 | | | | 100 |
| iemple ID LCS-24 | 1977 | Sampt | | | | | e EPA 6010B: | Total Recove | rable Mei | dia . | - |
| Vep Date: 4/25/2 | 2016 | Batch Analysis Da | 1D: 249 | | | | la 33820 la 1941826 | Livits: mg/L | | | |
| malyla | - | House 0.61 | PCL 8.020 | SPIC valu | o SPK Rat | | REC LowLimit | HighLinit | %RPD | APOLINI | Qual |
| ei . | | 0.47 | | 0.500 | | | 94.3 80 | | | | |
| innoic ID ME-24 | 977 | Batch | PH MB | | | | e EPA 60108: | Tetal Recove | whin Mai | ate | |
| rep Outo: 4/25/2 | 81016 | Analysia Da | de: 5/5 | 5/2016 | | SeqN | la 1047607 | Units: mg/L | | | |
| natyte | | Rimaili | POL 0.020 | SPK whe | SPICENT | /ui 365 | REC LowLimit | HighLinit | 5890 | RPDLimit | Qual |
| dmium romium | | ND I | 0.0020 | | | | | | | | |
| lenium ver | | | 0.050 | | | | | | | | |
| ample ID LCS-24 | 1977 | SempTy | | | | | EPA 6010B: | Total Recover | able Met | ais | |
| nop Demo Arg5/2 | (e10 / | Reton Heatyme De | ID: 249 | | | | lo: 33997 hr 1047605 | ums mg/L | | | |
| nalyte | | Result 0.50 | PQL 0.020 | SPK vetur 0.500 | SPK Ref | var %R | TEC LowLimit | | %RPD | RPDLimit | Quei |
| dmium | | 0.50 | 0.0020 | 0.5000 | 0 0 | 5 | 100 80 99,6 80 98,6 80 | 120 | | | |
| élena, en la companya de la companya | | | 0.050 | 0.500 | 0 0 | | 102 80 | 120 | | | |
| | | | | | | | | | | | |
| | cepted recover | fue to diluti | | uix 10 A) 58% | | ple conta | | is out of limit as | specified | | |
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| HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenreentental.com | 100 Howkins Nic - John Mill 2016 101 SUS-365/3075 F. Faux 600-5446-407 - 101 SUS-365/3075 F. Faux 600-5446-407 - Antiophysic Response | 5/0/7 6/7/ 8/80/ 6/8/10 (0/8/10 (1/2019) (1/2019) | (N) 34 /07 34 /07 1) 255 10 10 10 10 10 10 10 10 10 10 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | HEALMS. HEALMS. AND CONTINUES AND | 100- | | | | | 102 |
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| Encounted bunders A. M. O.H. Logger Hite, Anthrey Challeges 4/15/24 Considence By Anthrey Challeges 4/15/27 Reviewer By: Chall of Classicaly 1 Controlly Senta Huart on sample hoffest 1/ 2 Is Chaln of Classicaly complete? | | 1004874 [| 4. | Rigthia | d- |
|--|-----------------|--------------|-----------|-----------------------------------|----------------------|
| Logard By Authory Carling-se 4/15/24 Considence By Anthony Carling-se 4/15/24 Considence By Anthony Carling-se 4/15/24 Challen of Custody Sestia march on sample holling. 7 2 Is Challen of Custody complete? | 516 12 18 CS PM | ſ | e he | | |
| Conserved By Anniew Casegoon 4/15/27 Reviewed By HAN (115/27 Chain of Custody seals insurt on sample hollies ? 2 Is Chain of Custody complete? | 516 12 18 CS PM | | a he | | |
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| Chain of Custody Chain of Custody Completer ³ Chain of Custody completer ³ | is its | | A | | |
| Chain of Custody 1 Custody seals insurt on sample hollow? 2 Is Dhain of Custody complete? | 1 dife. | | 11 | | |
| 1 Custody seals imact on sample holline 7 2 is Chain of Custody complete? | | | | | |
| | | Yes : | No | Not Present | |
| | | Yes 🗹 | No | Noil Present | |
| 3. How was the sample downerd? | | -DAURES | | | |
| Log In | | | | | |
| 4. Was an attempt made to cod the samples? | | Yes w | No | NA | |
| | | | | | |
| 5. Were all samples received at a semperature of >0* | G 39 6 0'C | V(0- ¥ | No | NA | |
| 6. Sample(s) in proper container(s)? | | Yes 🖌 | No 🗌 | | |
| 7 Sufficient sample volume for relicated test(st7 | | Tes 🖌 | NO / | | |
| B Are samples (except VCA and OMS) property passe | Cinus, | view of | * No V | | |
| 9 Was preservative actour to bother? | | Yes V | No + 3 | 3 NA | |
| 10 VOA sals rave rero headspace? | | Yes V | tio - | No VOA Viale | |
| 11 Were any esimple confiamers received broken? | | 795 | No M | # of presented bottles checked | 101 |
| 12 Dices pape work match bottle labers? | | Yan 🖉 | fin. | for pH | or 512 unless nated) |
| (Note obscorpancies on shall of costody) | | Yes v | No | Aquateo? | 425 |
| 13 Are matrices correctly identified an Chain of Custod 14 Is it clear what analyzes were requisited? | Υ.Υ. | Yes V | No | | |
| 15. Were all holding times able to be met? (if no, mility conformer for authorowiken) | | ¥он ¥ | Na | Checked by | az |
| Special Handling (if applicable) | | | | | |
| 16 Was client inclined of all discrepancies with this prit | mr? | Yes | No | NA Y | |
| Person Notified: | Data | | | | |
| By Whom | Va | eMei . | Phone Fas | le Parson | |
| Regarding | | | | | |
| Client Instructions: | | | | | |
| 17 Additional remarks. For mexicis p. | aniysis (| | | +0-602 | 0 |
| 18 Cooler Information Cooler No. Temp 'C Condition Sea Inta | Seat No. | Seil Onte | Signed By | | |
| 1 2.5 (Soud 10) | I amontal 1 | | | 4 | 115 @ 1529 |
| Print and A | | | | | 9.5 |
| Page 1 of 1 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | 2017 |
| | | | | | |

| District 1 1623 N. French Dr., Hubbs: 504 80349 Exercise II | | New Mexico and Natural Resources | Form C-138 |
|---|--|--|---|
| 1301 W. Grand Avenue, Ariania, NK6 \$8210. District III | | vation Division | "Surface Waste Management Finisity Operator and Generator shall maintain and make this |
| 000 Rio Brazos Rosd, Aztec, NM 87410 District IV | | St. Francis Dr. | and Generator shall maintain and make this documentation available for Division inspection. |
| 220.6 St. Transa Dr., Senta Fa, NM \$1505 | | , NM 87505 | |
| REQUEST Generator Name and Address: | FOR APPROVA | AL TO ACCEPT | SOLID WASTE |
| Enterprise Field Services, LLC, 614 Rei | lly Ave, Farmington NM | 87401 | |
| Originating Site: Middle Mesa Compressor Station | | | |
| Location of Material (Street Addres UL N Section 10 Township 31 North F | s, City, State or ULSTR lange 7 West; 36,907568 |): , -107.582762, 5un Jua | n County, NM |
| Source and Description of Waste: Source: Water Oil from the Non-Exempt Description: Non-Exempt/Non-Hazardous Estimated Volume 60, ydl (bbl) Konst | Water from the compress | or skidu | |
| 5. GENERAT | TOR CERTIFICATION | STATEMENT OF W. | ASTESTATUS |
| Generator Signature | or authorized agent for En servation and Recovery A bed waste is: (Check the a | ci (RCILA) and the US I | Environmental Protection Agency's hily 1988 |
| RCRA Exempt Off field wasters | generated from oil and gan | exploration and produc | tion operations and are not mixed with non- |
| characteristics established in RURA re | egulationa, 40 CFR 261.21 | 1-261.24, or listed hazard | he minimum standards for waste hazardous by doas waste as defined in 40 CFR, part 261, ove-described waste is non-hazardous. (Check |
| MSDS Information RCRA Hazar | dous Waste Analysis | Process Knowledge | Other (Provide description in Box 4) |
| GENERATOR 19.15.36.15 W | ASTE TESTING CERT | TIFICATION STATE | MENT FOR LANDFARMS |
| Thumas Long How Log , representative | e for Enterprise Products (| Operating authorize to o | omplete |
| he required testing/sign the Generator Wa | ste Testing Certification. | | |
| , representat | tive for | Agua Moss, LLC | do hereby certify that |
| epresentative samples of the oil field was | a have been pubjected to t requirements applicable | the paint filter test and to to landfarms pursuant to | sted for chloride content and that the samples Section 15 of 19.15.36 NMAC. The results |
| Transporter: Various Apporved Transporter | | | |
| OCD Permitted Sorface Waste Manag | ement Facility | | |
| Name and Facility Permit # *Agua Mas Address of Facility: SW/4 NW/4 Section | | | |
| | ction 📋 Treating Plan | n 🗆 Lastlices 🗖 | Laadfill D Other |
| Waste Acceptance Status: | APPROVED | DENIE | D (Must Be Maimained As Petnanent Record) |
| PRINT NAME: GARNEttigons | | TLE SUIR | ATERAT DATE 12/17 |

HALL ANALYSIS II.

April 19, 2016 Ashley Maxwell Senster, Miller and Associates. 401 WillScadway Farmington, NM 87401 TEL: (505) 325-5667 FAX

RE: Middle Mesa CS

OrderNo: 1603994

Hall Engineenmented Analysis Laborenery 1991 Hawkins Ri, Minapergna, Nd 831ar 7121 - 505-545-5072 FAX 550 445-4101 Wyhate: wyw.katheritemengeter:-

Dear Asistey Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/18/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hullenvirounnential.com or the state specific web sites. In order to pronerly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Castody for information regarding the sample receipt temperature and preservation. Data qualifies or an advirie will be provided if the sample analysis or analysis or analysis and and its control parameters require a flag. When necessary, data qualifies are provided of the sample analysis report and the QC summary report, both sections should be reviewed. All samples considered field parameters that require analysis within 15 minutes of sampling such as pH and residant chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or elarifications.

ADRS Cert #AZ0682 - NMED-DWB Cert #NM9425 - NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE. Albaquerque, NM 87109

| Hall Environmental Analysis | s Labora | tory, Inc. | | Analytical Report Lab Order 1603994 Tana Reported: 4/19/20 | n |
|---|----------|------------|--------------|---|---------|
| CLIENT: Souder, Miller and Associates Project: Middle Mess CS Lah ID: 1603994-001 | Matrix: | AOUEOUS | Collection | 4e 10: Midalle Mesa Non Exemp Date: 3/17/2016 9:39(40 AM Date: 3/18/2016 7:30:00 AM | pil. |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD 82608: VOLATILES | | 1 | | Arcalyst | AG |
| Naphthalame | ND | 0.40 | form | 200 3/23/2016 1:33:34 PM | R33026 |
| 3 Methy maphimules | ND | 13.80 | ma/L | 200 3/23/2015 3:33:24 PM | R33028 |
| 2-Methylnaphtnalene | ND | 0.80 | mg/L | 200 3/23/2016 3:33:24 PM | R33025 |
| Acetone | ND | 2.0 | mg/L | 200 3/23/2016 3:33:24 PM | R33025 |
| Bimmatatination | ND | 0.20 | Wo/L | 200 3/23/2016 3 33 24 PM | R33025 |
| Samodelilonemenane | ND- | 0.20 | mail | 200 3/23/2016 3:33:24 PM | R33028 |
| Bromolom | ND | 6.30 | mail | 200 3/23/2016 3:33:24 PM | R33025 |
| Sampathe | ND | 0.60 | mail | 200 3/23/2018 3 12 24 PM | R33025 |
| Bulancer | ND. | 20 | mga. | 200 3/23/00HI 3/32 24 PM | R33025 |
| Carbon disusvelle | ND | 2.0 | mol. | 200 3/23/2016 3:33:24 PM | R13025 |
| Carbon Tetrachionae | ND | 0.20 | ma/L | 200 3/23/2016 3:38:24 PM | F33025 |
| Chimannana | ND | 0.20 | mail | 200 3/20/2016 3/32/24 PM | R11025 |
| Chicroselium | ND | 0.40 | mal | 200 3/23/2016 3:33:24 PM | R03026 |
| Chierolom | ND | 6.20 | mgil. | 200 3/23/2016 3:33:24 PM | 1835025 |
| Chloromethane | ND | 0.60 | mg/L | 200 3/23/2016 3:33:24 PM | R33025 |
| 3 Chicaniakene | ND | 0.20 | mg/L | 200 3/23/2015 3:33:24 PM | R33025 |
| 4 Correlations | ND | 0.20 | mol | 200 3/23/2016 3:39:24 PM | 83902 |
| die1.7-DCE | ND | 0.20 | mail | 200 3/23/2016 3:33:24 PM | R33025 |
| cis-1.3-Dichlorwariopene | ND | 0.20 | mal | 200 3/23/2016 1:33 24 PM | R33025 |
| 1.2-Dibiomo-3-chiumonoana | ND | 0.40 | mat | 200 3/23/2016 3 33 24 PM | R33028 |
| Devonochioromatrane | ND | 0.20 | mail | 200 3/23/2016 3/33/24 PM | R33025 |
| Districtioned and | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R33025 |
| 1.2-Dichloroberizene | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R33025 |
| 1,2-Dichlorobenzene 1,3-Dichlorobenzene | ND | 0.20 | ingit. | 200 3/23/2016 3:33:24 PM | R33025 |
| 1.4-Olchiombanzing | ND | 0.20 | mol | 200 3/23/2016 3:33:34 PM | R33025 |
| Dictionadiluorometriene | ND | 0.20 | mail | 200 3/23/2016 3:33:24 PM | R39025 |
| 1.1-Dictilarcamana | ND | 0.20 | mol | 200 3/23/2016 3:33:24 PM | R33025 |
| 1.1-Elebiotracional | ND | 6.30 | nga | 200 3/24/2016 2 3k-34 PM | R33020 |
| 1.2-Dichloroproparie | ND | 0.20 | more | 200 3/23/2016 3:33:24 PM | FC33025 |
| 1,3-Okhioropropane | ND | 0.20 | mail | 200 3/23/2016 3:33:24 PM | R33025 |
| 2.2-Dichloropropane | ND | 0.40 | mg/L | 200 3/23/2016 3:33:24 PM 200 3/23/2016 3:33:24 PM | R33025 |
| 1.1-Dichimoopene | ND. | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | RENT |
| Hesotheropuscienc | ND | 0.20 | mgrt. | 200 3/23/2016 3:33:24 PM | R33023 |
| 2-Hexanone | ND | 2.0 | mg/L | 200 3/23/2016 3:33:24 PM | R33025 |
| Isopropybencere | ND | 0.70 | mg/L mg/L | 200 3/23/2016 3:33:24 PM | R33025 |
| Lingpropytolium | ALC: N | 0.00 | mak | 200 3/23/2010 3 X5 24 PM | 833025 |
| 4-Meiltyl-2-sentanone | ND | 20 | mgA | 200 3/23/2016 3 33 24 PM | R33025 |
| Methylane Chloride | ND | 0.60 | mail | 200 3/23/2010 1.33/24 PM | A11023 |
| | | | | | |
| m-EkcilyAdverszenwi | ND | 0.00 | mail | 200 3/23/2619 3 55 24 PM | R330 |

edo Maan

- Volse esseeds Maximum Comminant Leve D Sample Diluted Date to Matrix H Holding Dinas for preparation or institution of SD Aaa Descale at the Bapawing Linui R RPD ostitide accepted recovery limits 5 To Recovery stability of range due to thintyen

Value en

- Analyse devenue in the necessarial Method Mank
 D Analyse devenue in the necessarial Method Mank
 Analyse devenue holes aparametric on limits (Page 2 of 10)
 Banquisign Mark In Kange
 Koppering Direction Limit
 Sample consiste traperiture or our of time as spectrees

| CLIENT: Souder, Muller and Associates Project: Middle Mesa CS | Metris: AC | | 100 | Bestion Die | Pr 3/17 | dle Menn Non Esenty /2016 9/39/00 AM /2016 7:30:00 AM | | |
|--|------------|--|-----|-------------|---------|---|---------|--------|
| Latrent | Result | PQL Qual | | alis | DF | Date Analyzed | Ba | - |
| Analyses | | | | | | Analyz | | |
| EPA METHOD 8270C TCLP | | 1.000 | | Autoria and | | 3/24/2016 3,52:21 PM | | 409 |
| 2-Malitylohenol | 7803 | 000 | | mg/L_ | 1 | 3/24/2016 3:52:21 PM | | 409 |
| 3+4-Minthrationald | ND | 200 | | mark- | | 3/24/2016 3:52:21 PM | | 409 |
| Phantol | ND | 0.13 | | mail | 1 | 3/24/2016 3:52:21 PM | | 409 |
| 2.4-Dinitrotokupres | NIT | 0.13 | | mat | 1 | 3/24/2016 3:52:21 PM | | 409 |
| +Hosting account and | ND | | | mol | | 3/24/2010 3:52:21 PM | | 6044 |
| Hexacherstadedine | ND | 0.50 | | mg/L | 1 | 3/24/2016 3:52:21 PM | | 4409 |
| Husschlorpermin | ND | 3.0 | | mgt | - 4 | 3/24/2016 3-52-21 PM | | 4409 |
| Hutoberzann | ND | 100 | | mail | 1 | 1/24/2016 3:52:21 PM | | 4402 |
| Pertucida uplant | 14D | | | mat | 1.1 | 3/24/2010 3:52:21 PM | | 409 |
| Pyralam | ND. | 5,0. | | mg/L | | 3/24/2016 3:52:21 P | | 4409 |
| 2.4.5-Trichlorophenol | ND | | | mort | | 3/34/2016 3:52 21 P | | 99944 |
| 2,4,6-Trisslemphonol | ND | 2.0 | | mg/L | | 3/24/2016 3:52:21 F | | 34400 |
| Crematic, Tiolar | ND | 200 | 5 | ALRec | 1 | MV4/2016 3:52:21 P | | 2,4409 |
| Burt 2-Fluoropherink | 3,10 | 101101 | | %Rec | | 3/24/2016 3:52:21 P | | 74404 |
| Burr Phenol-db | 8.75 | | 8 | ALRac: | 11 | 1424/2016 3:52:21 P | | 24400 |
| Sam: 2,4,5-Tribromophilist | 10.05 | dimension of the second | 5 | ALFANC | | 1/04/2016 3:52:21 P | m | 24409 |
| Surr latracenzine di | 159.7 | 40.6 124 | | Wifec- | | 3/24/2010 3:52:21 F | | 74409 |
| Surr. 2-Planolophonp | 60.0 | 35.7.128 | | miRitett | | 3/24/2016 3:52:21 F | M. | 24409 |
| Sur: 4-Terpheryi-t14 | 73.2 | 18.8-115 | | and. | | Ann | iyst. | |
| EPA METHOD 7470: MERCURY | | 0.00090 | | mark | | | | 24421 |
| Educers and | MD | 0.00080 | | 100.0 | | Ana | INTE: | MED |
| EPA 6010B: TOTAL RECOVERABLE | METALS | | | | | 325/2016 111:34 | PM. | 2441/ |
| | NO: | 0.20 | | mar | | a station of a second at | PM | 2441 |
| Ansarit | NU | 0.20 | | mgfl | | | FIM. | 2461 |
| Banism | ND | 0,020 | | mg¢. | | and the second | PM | 2441 |
| Cadmium | ND | 0.000 | | Tom | | 1 5/25/2016 1:11:34 | PM | 2441 |
| Chromitim | ND | 0.050 | | ingl | | 5 3/25/2016 1:13:08 | PM | 2441 |
| Laid | ND | -2.5 | | mB/F | | + 3/25/2016 U11:34 | PM. | 2441 |
| Sadamasin | ND | 0.050 | | untr. | | | | AG |
| Silver | | | | | | | | RSG |
| EPA METHOD 62608: YOLATILES | HEX | 0.70 | | mall | | 208 3/23/2016 3/23/2 | 22 | REE |
| Buriterin | NO. | 0.20 | | mgiL | | 200 3/23/2016 2:13:2 | A DIA.F | HAS |
| Tolisenti | ND | 0.29 | | mg/L | | 200 3/23/2010 3:33:2 | A PM | R33 |
| Entrylbenzerve | ND | 0.20 | | mpi. | | 200 3/23/2016 3 33.2 | 1 224 | R30 |
| Medlingt terry boulgit wither (KATEE) | ND | 0.20 | | mail | | 200 3/23/2016 3:33:2 | 4 1965 | |
| 1.2.A-Triametry/benzerve | ND. | 0.20 | | maß | | 200 3/23/2016 2 35 2 | * P.M | |
| 1.5 STrimethy/benzents | ND | 0.70 | | nia/L | | 200 3/3/3/2016 3:33 3 | 1 1541 | |
| 1 2 Contemporary (EDC) | | | | mal | | 200 523/2016 3 201 | on Carl | |
| 1.2-Ditromoetherer (EDB) Refer to the QC Summary rel | NU | | | diam 10 | C data | and preservation info | mab | 001 |

Analytical Report

Lab Order 1603994 Date Reparted: 4/19/2016

limits page 1 of 10.

Value exceeds Maximum Consummer Ceret.
 Dissopte Distants Orace submarks
 Halding tumos for preparations on analysis encordeal
 MD Note Discord a the Responsing Lawn
 Reptionage acception enserger formance
 Sig Recovery outside of range due to dilution or matrix

| Hall Environmental Analysis | Labora | tory, Inc. | | Analytical Report Lab Order 1003994 Date Reported: 4/19/203 | lê . |
|--|---------|------------|------------|---|-------|
| CLIENT: Sounder, Miller and Associates Project: Middle Moss CS Lab (D: 1603994-001 | Matrisz | C AQUEOUS | Collection | e ID: Middle Ment Non Exemp Date: 3/17/2016 9:30:00 AM Date: 3/18/2016 7:30:00 AM | я. |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD 82808 VOLATILES | | | | Analysi | AG |
| n-Propulbergane | ND | 0.20 | mall | 200 0/20/2016 3:33:24 PM | REIN |
| eac-Butylbenzone | ND. | 0.20 | mak | 200 3/23/2016 3:33:24 PM | R3303 |
| Styrene | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R\$30 |
| tert-Butylbenzene | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| 1,1.1,2-Tetrachiosolitemo | 90 | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| 1,1,2,2 Telvanhomethere | ND | 0.40 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| Tetrachloroetherm (PCE) | ND | 0.20 | nan | 200 3/29/2016 3:33:24 PM | R330 |
| trans-1,2-DCE | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| trans-1.3-Dichloropropene | ND | 0.20 | mail | 200 3/23/2016 3:33:24 PM | R330 |
| 1,2,3-Trichlaroberroom | MD. | 0.20 | maru | 200 3/25/2016 3:33:24 PM | R330 |
| 1,2,4-Tricniorobenzene | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| 1,1,1-Trichloroethane | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| 1,1,2-Trichloroethane | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| Trichloroethene (TCE) | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| Trichlorofluoromethane | ND | 0.20 | mg/L | 200 3/23/2016 3:33:24 PM | R330 |
| 1.2.3 Trichlorigename | ND. | 0.40 | mail | 200 3/23/2016 3:33:24 PM | R330 |
| Altrige orthogeneties | NIT | 0.20 | ngt | 200 3/23/2016 3:28:24 PM | R320 |
| Xylenes, Total | HD | 0.30 | mg1. | 200 3/23/2016 3:33/24 PM | R330 |
| Surr: 1,2-Dichlerce@vane-di | 103 | 70-130 | ThRec | 200 M23/2016 3:33:24 PM | PR330 |
| Sum 4-BrathoBuorobenzene | 107 | 76-130 | %Rec | 200 3/23/J016 3:33:24 PM | R380 |
| Sum Dibromofuoromethana | 116 | 70-100 | N/Rec | 200 3/23/2016 3:33:24 PM | R330 |
| Surr: Toluene-dő | 103 | 70-130 | TONOL | 200 3/23/2016 3:33:24 PM | R330 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation infor

- an Consumisant Level. olo Manim

- Vidue exceeds Maximum Commission Level.
 D Sample Dubted Due to Marinix
 Helding times file preparation or worknow exceeded.
 Ifin Same Denemal at the Expensing Limit
 R. RPD control accepted recovery limits.
 S. Recovery outside of range due to distance or matrix

- B Analysis detected in the expectence Method Minick
 E Value above quantitation range
 Montple detected lader quantitation from the page 3 (of 10)
 Sample control lader quantitation limits page 3 (of 11)
 Reporting Detection Limits
 Sample contains transportance in our of limit as specified

Value en

H H H H Wang adarwa quantitation maga Analysis data-ond balaw guantitation lantile pagge Sample pil Noi In Renau Response Detection Lanti Sample construme tamperature to text of time as ap

| | at Analy | vis I. | aborator | v. Inc. | | | | | | 19-40-16 | |
|---|--------------|--------------------|-------------|------------|--------------|----------------|------------------|-------------|---------|----------|--|
| | Miller and A | | | 11.000 | | - | | | | | |
| roject: Middle | Mesa CS | _ | | | _ | | | - | | - | |
| Sample ID 100mg lcs | SamuT) | qui Les | 5 | | | | ESCOR- VOL | ATILES | | | |
| Dieni ID: LCSW | Baich | (D) R33 | 3025 | | innbin 3 | | | | | | |
| Pvep Date | Analysis Di | 10 3/2 | 23/2016 | | SeqNis 1 | 013095 | Units: HO/L | | | | |
| Anniyles | Revit | POL | SPA WIND SI | PK Ref Val | | LowLimit | HighLimit | BRPD | RPDLink | Qual | |
| enzene | 22 | 1.0 | 20.00 | U | 112 | 70 | 130 | | | | |
| aluana | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 130 | | | | |
| hlorobenzene | 21 | 1.0 | 2048 | 0 | 104 | 70 | 130 | | | | |
| 1-Dicinoroattune | 23 | 1.0 | 20.00 | 0 | 116 | 70 | 130 | | | | |
| Arrented from (TCE) | 20 | 1.0 | 10.00 | . 10 | -90.9 | 70 | 130 | | | | |
| Size 1,2-Dichloroettrane-dA | 10 | | 10.00 | | 97.4 | 70 | 130 | | | | |
| Sur, e-stanolucroberume Sur, Dibranolucrometianin | 12 | | 10.00 | | 115 | 70 | 180 | | | | |
| Sur, Doronotocomenant Sur, Toluine-da | 9.7 | | 10.00 | | 97.4 | 70 | 190 | - | | | |
| | | YOH .M | ni úr. | Te | etCone E | PA Method | 82608: VUL | ATILES | | | |
| Sample ID m | | 107 R3 | | | RunNo. 3 | | | | | | |
| Climit ID: PBW | | | | | Section 1 | | Units up/L | | | | |
| Wrongs Gastin. | Australia D | | | | | | | WRPD | RPDLant | Quei | |
| Analyto | Result | POL | SPK value S | PK Ret Va | I,REC | LowLimit | HONTRUE | 1000 | Hanning | Simi | |
| Benzene | ND | 1.0 | | | | | | | | | |
| Tokerne | ND | 1.0 | | | | | | | | | |
| Etv/Isenten# | ND | 1.0 | | | | | | | | | |
| Methyl teri-bulyl other (MTBE) | ND | 1.0 | | | | | | | | | |
| 1,2.4-Trimethylbenzene | ND | 1.0 | | | | | | | | | |
| 1.3.5-Trimehylbenzine 1.2-Oktristreethane (EDC) | ND | 1.0 | | | | | | | | | |
| 1,2-Dibromoestane (EDB) | ND | 1.0 | | | | | | | | | |
| Nachthalene | ND | 2.0 | | | | | | | | | |
| 1-Methylnachthalene | ND | 4.0 | | | | | | | | | |
| 2-Methylnaphthalene | ND | 4.0 | | | | | | | | | |
| Acetone | ND | 10 | | | | | | | | | |
| Bromobenzene | ND | 1.0 | | | | | | | | | |
| Bromodichloromethane | ND | 1.0 | | | | | | | | | |
| Bromolorm | ND | 3.6 | | | | | | | | | |
| Bromomethane | ND | 3.0 | | | | | | | | | |
| 2-Butanone | ND | 10 | | | | | | | | | |
| Carbon disulfide Carbon Tetrachloride | ND | 1.1 | | | | | | | | | |
| Carbon Tetraohioriele Chlorobenzene | ND | 1. | | | | | | | | | |
| Choroethane | ND | 2 | | | | | | | | | |
| Chlorolorm | ND | 1. | | | | | | | | | |
| Chioremotione | ND | 3/ | | | | | | | | | |
| 2-Chlorololuene | ND | 1/ | 0 | | | | | | | | |
| | | | | _ | | | | | | | |
| Qualifiers: | | - Second | | II Ant | ine deserve | it in the asso | iated Method I | thick. | | | |
| Value escende Masim | | s speed. | | | | cardulation m | | | | | |
| 13 Sample Dilored Date is 11 Holding times for pre- | or sectors. | NII FORM | foin | / Am | lyic detects | ad indew quar | dission (math | | Page | 0110 | |
| 11 Holdaing times for pre- ND Not Detected at the Ho | | and a state of the | | P Ser | pin pill Not | r In Range | | | | | |
| | | | | AL No. | antang Dele | timil della | | | | | |
| EPD outside accepted | | | | | | | re is out of Smi | | | | |

| | | | | | | | | | | - |
|-----------------------------|-----------------------|--------------------|-------------|------------|---------------------|------------------|-------------------|--------------|----------|-------|
| | , Milles and | Associate | ai. | | | | | | | |
| Project: Middle | e Mesa CS | | | | | | | | | |
| Sample ID ru | Gerrep7 | TYPE MOL | 8 | To | tade: E | Ableting | 8340B, YOL | ATRES | | |
| Client ID: PBW | Eato | NIO RASI | 826 | 1.00 | Planhie: 33 | 1025 | | | | |
| Prep Date: | Analysis D | Date: 3/23 | 3/2016 | | SeqNo: 1 | 013096 | Units: µg/L | | | |
| Analyte | Result | | SPK value S | PK Ref Val | MREC | LowLimit | HighLimit | 15RPD | RPDLimit | Qual |
| 4-Chiorotoluene | ND | 1.0 | | 1000 | | | | | | |
| cis-1.2-DCE | ND | 1.0 | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.0 | | | | | | | | |
| Dibromochloromethane | ND | 1.0 | | | | | | | | |
| Dibromomethane | ND | 1.0 | | | | | | | | |
| 1,2 Dichlorobenzone | ND | 1.0 | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| Dichicrodifuoromethane | ND | 1.0 | | | | | | | | |
| 1,1-Dichloroethane | ND | 1.0 | | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | | | | | | | | |
| 1,2-Dichloropropene | ND | 1.0 | | | | | | | | |
| 1,3-Dichloropropane | ND | 1.0 | | | | | | | | |
| 2,2-Dichloropropane | ND | 2.0 | | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | | | | | | | | |
| 2-Hexanone | ND | 10 | | | | | | | | |
| Isopropylbenzene | ND | 1.0 | | | | | | | | |
| 4-isopropyltoluene | ND | 1.0 | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 10 | | | | | | | | |
| Methylene Chloride | ND | 3.0 | | | | | | | | |
| n-Bulylberizene | ND | 3.0 | | | | | | | | |
| n-Propylbenzene | ND | 1.0 | | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | | | | | | | | |
| Styrene | ND | 1.0 | | | | | | | | |
| terl-Buty/benzene | ND | 1.0 | | | | | | | | |
| 1.1,1.2-Tetrachiorpathane | ND | 1.0 | | | | | | | | |
| 1133 Trinchonethine | ND | 2.0 | | | | | | | | |
| Tetrachloroethene (PCE) | ND | 1.0 | | | | | | | | |
| trans-1,2-DCE | ND | 1.0 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 1.2.3-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,2,4-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | | | | | | | | |
| Trichloroethene (TCE) | ND | 1.0 | | | | | | | | |
| Trichlorofluoromethane | ND | 1.0 | | | | | | | | |
| | ND | 2.0 | | | | | | | | |
| 1,2,3-Trichloropropune | HU | a,d | | | | | | | | |
| Qualifiers: | | | | | | | | | | |
| * Value exceeds Maximu | im Contaminant | t Level. | | | | | iated Method B | lank | | |
| D Sample Diluted Due to | Matrix | | | | | titation rang | | | - G. S. | 3.2 |
| 11 Holding times for prep- | erstann og attalyt | in examini | 1 | | | | niasce (milli- | | Page 5 | of 10 |
| NO No Detected at the Re- | naing Limi | | | | is pill that is | | | | | |
| R KPD outside accepted | eleovery limits | | | | ting Detect | | | | | |
| 5 % Recovery outside of | survival shire by all | interior and store | ALC: N | W Same | his summittee lange | descent realized | a is our of limit | as appointed | K | |

| tory, Inc. | Write | 1403094 29c(pr-26 | QC SUMMAN Hall Environme | | | aborate | ory, Inc. | - | | | | WW | 18039 79. арт |
|---|---------------------|----------------------|--|-------------------------------|--------------|------------------|-------------|-----------------------------|--------------|-------------------|-----------|-----------|------------------|
| | | | | er, Miller and lle Mesa CS | Associat | les. | | | | | | | |
| TesiGude EPA Method 92000: YOLATE.ES | - | | Sample ID mbr04403 | | vor MB | | | | | 8270G TOLP | | | |
| RunNey 33028 | | | Client fil: PBS | | 0 IDI 244 | | | hanNo: 33 | | Units: mg/L | | | |
| SeqNo: 1013096 Units: µg/L | TRANSITION AND INC. | Qui | Prep Date: 3/24/2016 | Analysis D | | | | SeqNo: 10 | | | | RPDLimit | Qual |
| SPK Ref Val SREC LowLimit HighLimit SARPD | RPDLINE | Quin | Analyte 2-Methylohenol | Result | PQL 200 | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Quai |
| | | | 3+4-Methylphenol | ND | 200 | | | | | | | | |
| 0 101 70 130 | | | Phenol | ND | 200 | | | | | | | | |
| 107 70 130 | | | 2,4-Dinitrolaluene | ND | 0.13 | | | | | | | | |
| 118 70 130 95.5 70 130 | | | Hexachlorobenzene Hexachlorobutadiene | ND ND | 0.13 | | | | | | | | |
| 95.5 70 130 | | | Hexachtorobutadiene Hexachtoroethane | ND | 3.0 | | | | | | | | |
| | | | Nitrobenzene | ND | 2.0 | | | | | | | | |
| | | | Perstachiorophenol | ND | 100 | | | | | | | | |
| | | | Pyridine | ND | 5.0 | | | | | | | | |
| | | | 2,4,5-Trichlorophenol | ND | 400 | | | | | | | | |
| | | | 2,4,6-Trichlorophenol | ND | 2.0 | | | | | | | | |
| | | | Cresols, Total | ND 0.14 | 200 | 0.2000 | | 71.9 | 15 | 124 | | | |
| | | | Sur: 2-Fluorophenol Sur: Phenol-d5 | 0.14 | | 0.2000 | | 86.2 | 15 | 118 | | | |
| | | | Sur: 2,4,6-Tribromophenol | 0.16 | | 0.2000 | | 78.8 | 15 | 148 | | | |
| | | | Burr Niticaestowe-U | 0.087 | | 0,1000 | | 87.3 | 40,6 | 124 | | | |
| | | | Elan S. Auromiticanyl | 0.083 | | 0 1000 | | 85.2 | 35.7 | 128 | | | |
| | | | Sur: 4-Teghenykd14 | 0.061 | | 0.1000 | | 61.2 | 18.8 | 115 | | _ | _ |
| | | | Sample ID Ics-24409 | Samp | Type: LC: | s | Tet | stCode: El | PA Method | 8270C TCLP | - | | |
| | | | Glient ID: LCSS | | hID 244 | | | RunNo: 3 | | | | | |
| | | | Prep Data: 3/24/2016 | Analysia | | | | SegNo 1 | | Unite mg/L | | | |
| | | | and the second second second second | | | | | | LOW | | SARPO | RPOLINE | Quil- |
| | | | Analyte | Remuil 0.096 | POL 9.mip | 0 1990 | SPK Rot Vat | NREC 95.8 | 32.1 | HELINE 120 | 2400 | AP-MORTE. | Adda. |
| | | | -2-Mattughana 3+4-Methylphenol | 0.28 | 0.010 | 0.2000 | 0 | 138 | 10.9 | 204 | | | |
| | | | 2.4-Dinitrotuluene | 0.28 | 0.010 | 0.2000 | 0 | 07.2 | 41.9 | 116 | | | |
| | | | Hexachlorobenzene | 0.081 | 0.010 | 0.1000 | 0 | 81.4 | 37.7 | 99.4 | | | |
| | | | Hexachionabulardisma | 860,0 | 0.010 | 0.1000 | 0 | 97.8 | 30.6 | 107 | | | |
| | | | Historicanter | 0.082 | 0.010 | 0.1000 | 0 | 87.5 | 974 | 121 | | | |
| | | | Marobaroamia | 0,090 | D.010 | 0.1000 | 0 | 90.0 | 28.5 | 129 | | | |
| | | | Percacriorginanal | 0.080 | 0.010 | 0.1000 | 0 | 80.2 | 7.31 | 111 | | | |
| | | | Pyrame 24.5-Trictionochenici | 0.075 | 0.010 | 5.1000 6.1000 | 0 | 78.9 | £.54 25.3 | 340 | | | |
| | | | 2,4,5-Ynchorophenol 2,4,6-Trichlorophenol | 0.10 | 0.010 | 0,1000 | 0 | 98.4 | 21.5 | 145 | | | |
| | | | Cresols, Total | 0.088 | 0.010 | 0.3000 | 0 | 124 | 30 | 136 | | | |
| | | | Sum 2-Fluorophanol | 0.17 | | 0.2000 | | 84.1 | 15 | 124 | | | |
| | | | Surr; Phonel 45 | 0.19 | | 0.2000 | | 80.6 | 16 | *** | | | |
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| | | | ND Not Detected at the R R RPD outside accepter | | | | | c při Not to ing Detecti | | | | | |
| P Sample pH Not in Range | | | | | | | | | | | | | |
| Sample pil Non in Kange RL Reporting Disarition Linux Sample container temperature at cell of limit as specific | ed . | | S % Recovery outside of | | ution or m | atrix | | | | is out of limit a | specified | | |

Hall Environmental Analysis Laboratory, Inc. Client: Souder, Miller and Associates, Project: Middle Mess CS Sample II rb. Samply Mark Clean ID: PBW Batch ID: R33025 TasiGude CPA Mi RunNo 33025

QC SUMMARY REPORT

| Crient ID: PBW Prep Date: | Analysis (| Date: 3/ | 23/2016 | 5 | SeqNo: 1 | 013096 | Units: µg/L | | | |
|------------------------------|------------|----------|-----------|-------------|----------|----------|-------------|------|---------|-----|
| Analyle | Result | POL | SPK value | SPK Ref Vel | NREC | LowLimit | HighLinit | %RPD | RPDLINE | Qui |
| Vinyl chloride | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Sur: 1,2-Dichloroethane-d4 | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 11 | | 10.00 | | 107 | 70 | 130 | | | |
| Sur: Dibromofluoromethane | 12 | | 10.00 | | 118 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.5 | | 10.00 | | 95.5 | 70 | 130 | | | |

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| roject: Middle | , Miller and Ansociates Meta CS | | Client: Souder, Miller and Associates Project: Middle Mesa CS | |
| Client ID: LCSS | SampType: LCE TextCode: EPA Method 8276C TCLP Batch ID: 24409 RunNo: 33040 Analym Dane 3264/2518 Stepho: 1014264 Unite: mg/L | | Sample ID MB-24421 Samp/Type: mblk Tes/Code: EPA Method 7476: Mercory Client ID: PBW Batch ID: 24421 RunNo: 33122 | |
| Hep Date: 3/24/2018 Unityte Sur: 2.4.6-Tribromophenol | Analysis Davie 3/24/2918 SingNo: 1014364 Units: mig/L. Reaulat: PGL: SPK matue SPR RetVal: VAREC: LonAumit: HighLave: %RPD RPDLand 0.17 0.2000 Bist 15 148 | Que | Prep Date: 3/24/2016 Analysis Date: 3/25/2016 SeqNo: 1016891 Units: mg/L Analyte Rasult: HZL SPX waas SPK Ral Val %REC LowLim: 14(RPC) | RPDLinit Qual |
| Surr: Nitrobenzene-d5 Surr: 2-Fluorobiphenyl | 0.10 0.1000 102 40.6 124 0.094 0.1000 94.2 35.7 128 | | Merculy ND 0.00020 Barrolai ID LCS-24421 EarrorType Ica. TestCodia: EPA Melhind 7470: Mercury | |
| Sur: 4 Terphenyl-d14 anialer ID: Icaud-24409 | 0.067 0.1000 66.8 18.8 11.5 SeminType LC6D TestCode EPA Method 8270G TCLP | | Cilent NJ: LCSW Binley ID 24421 RumNia 33122 Pren Dalu 3/24/2016 Avalysis Dale 3/24/2616 Surphin 4016892 (Ava. regil | |
| lieni 10 i C8502 rep Date: 3/24/2016 | Roles In State Results 3046 Analysis Date: 3/24/2016 SegNo: 1014305 Units: mg/L | | Ansilyte Result POL SPH value SPH Rel Val %REC LowLinit %RPD Mintory 0.0049 0.00020 0.005000 0 97.7 B0 120 | RPDLimit Qual |
| nalyte letisjoberoi | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 0.007 0.010 0.1000 0 96.9 32.1 120 1.22 20 | Qual | Samyle ID LCS0-24421 SampTyper load TestDirdic EPA Method 7470: Miercany Client ID LCS582 Batch ID 24421 RunNo 33122 | |
| 4-Midloylefunnil 4-Destrolokuene sobowotowotene | 0.22 0.010 0.2000 0 380 10.0 204 15.0 20 0.080 0.010 0.1000 0 80.2 41.9 116 8.34 20 0.088 0.010 0.1000 0 87.9 37.7 94.4 7.70 20 | | Prep David: 3/24/2019 Ansh/nii Diato: 3/25/2019 SegNo: 1019895 Units: mgiu. Ansh/e Result PGL SPK value SPK Ref Val SAREC LowLinit HighLinit 3/RPD | RPDCimit Qual |
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| trobenzene intachlorophenol ridine | 0.091 0.010 0.1000 0 91.1 26.6 134 1.13 20 0.084 0.010 0.1000 0 84.4 7.71 111 5.15 20 0.078 0.010 0.1000 0 76.1 854 92.4 4.16 20 | | | |
| none 4,5-Trichlorophenol 4,6-Trichlorophenol | 0.078 0.010 0.1000 0 78,1 8,54 92,4 4,16 20 0.12 0.010 0.1000 0 115 25,3 146 11,1 20 0.10 0.010 0.1000 0 102 21,5 145 3,14 20 | | | |
| Suit 2-Fluorophenoi | 0.42 0.010 0.3000 0 130 30 136 11.6 20 0.16 0.2000 79.6 15 124 0 20 | 5 | | |
| Surr: Phenol-d5 Surr: 2,4,6-Tritoromophenol Surr: Nitrobenzene-d5 | 0.19 0.2000 97.5 15 118 0 200 0.19 0.2000 93.2 15 146 0 20 0.11 0.1000 106 40.6 124 0 20 | | | |
| Surt. 2-Fluorobiphenyl Surt. 4 Terphonyl d14 | 0.081 0.1000 90.7 35,7 128 0 20 0.086 0.1000 67,8 18,8 116 0 20 | | | |
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| State of New Mexico Energy Minerals and Natural Resource | Friem C-13H |
|--|--|
| Oil Conservation Division | *Surface Waste Management Facility Operator and Generator shall maintain and make this |
| | and Generator shall maintain and make this documentation available for Division inspection. |
| FOR APPROVAL TO ACCEP | T SOLID WASTE |
| illy Ave, Farmington NM 87401 | |
| | |
| ss, City, State or ULSTR): lange 13 West; 36.928673, -108.150197, San Ju | aan County, NM |
| WasteWater Tanks and from the compressor skit a Water from the compressor skids. won Volume (to be entered by the operator at the e | A |
| TOR CERTIFICATION STATEMENT OF W | VASTE STATUS |
| or authorized agent for Enterprise Products Open | a service of the serv |
| ibed waste is: (Check the appropriate classificatio | |
| generated from oil and gas exploration and prode p. Wante Acceptance Frequency [] Monthly [| netion operations and are not mixed with room |
| nate which in non-barrardou iliai does not exceed regulations, 40 CFR 261.21-261.24, or itsted luoza in documentation is attached to demonstrate the a | ardous waste as defined in 40 CFR, part 261. |
| ardous Waste Analysis 🛛 Process Knowledge | Other (Provide description in Box 4) |
| WASTE TESTING CERTIFICATION STATE | EMENT FOR LANDFARMS |
| ve for Enterprise Products Operating authorize to | complete |
| aste Testing Certification. | |
| ative for Agua Moss, LLC are have been subjected to the paint filter test and le requirements applicable to landfarms pursoant to I to demonstrate the above-described waste confor | to Section 15 of 19.15.36 NMAC. The results |
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| gement Facility | |
| nsa, LLC - Permit #: NM-01-009 in 2, Townihip 29N, Range Crouch Mess, NM | |
| jection [] Treating Plan [] Landfarm [| taul61 Other |
| | |
| A APPROVED DENI | ED (Must Be Magnained As Permanent Recon |
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| | 1220 South St. Francis Dr. Santa Fe, NM 87505 T FOR APPROVAL TO ACCEP illy Ave, Farmington NM 87401 es. City, State or ULSTD): lange 13 West; 36.928673,-108.150197, San Ja Wate Water Tanks and from die sompresson eki 4 Water from the compressor skids. www.Volume Cit be miterell by the operator at the TOR CERTIFICATION STATEMENT OF V or authorized agent for Enterprise Products Oper mervation and Recovery Ast (RCRA) and the US bed waste is: (Check the appropriate classification agenerated from oil and gas ciploration and urbe to bed waste is: (Check the appropriate classification agenerated from oil and gas ciploration and urbe US bed waste is: (Check the appropriate classification age obtent much simely miter and the user arcreace and which is much simely miter and areas user acreace and which is much simely miter and and the user to recease and which is much simely miter and areas user acreace and which is much simely miter and areas user acreace and which is much simely miter and areas user acreace and which is much simely miter and areas the order and the rest process in the simely miter and from the simely miter is the for <u>Arean Moss, LLC</u> we for Enterprise Products Operating authorize to aster Testing Certification. ative for <u>Arean Moss, LLC</u> the beave here subjective to obten from the sime simely is the size in the above-described waste confor generating from if a NM-01-009 m , Tarmuship 27N , Kange Crouch Mess , NM |

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| Souder, Miller and Associates | | | ******* | . X. X. | | | |
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| Dear Ashley Maxwell: | | | | | 1.0 | | |
| | | EPA METHOD 8270C TOLP | | | | | Prinsyst. DAM |
| Hall Environmental Analysis Laboratory received | 1 1 sample(s) on 3/22/2016 for the | 2-Methylohenol | ND | 200 | moit. | | 3/24/2016 4:52:18 PM |
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| When necessary, data qualifers are provided on h | | 2.4.5-Trichlemeasurus | AC | 400 | - mat | | 3/24/2016 # 52-18 PM |
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ADHS Cen #A20682 - NMED-DWB Cen #NM9425 - NMED-Micro Cen #NM0190

Sincerely.

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Andy Freeman Laboratory Manager 4901 Hawkins NE louguerque, NM 67109 2017

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| Hall Environmental Analysis | Laborat | ory, Inc. | | Lab | alytical Report Order 1603A61 2 Reported: 4/11/2016 |
|--|--------------|-----------|--------------|---------------------|--|
| CLIENT: Souder, Miller and Associates | | r | neut Sampl | e Hit McDer | mon Non Exempt |
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| Anatyses | Result | PQL Qual | Units | DF | Date Analyzed |
| EPA METHOD 8260B: VOLATILES | | | | | Anniyist AG |
| Naphthalene | ND | 0.40 | mgL | 200 | 3/24/2016 3:00:52 PM |
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| Chlorolorm | MED | 0.90 | mat | 200 | 3/24/2016 3:00:52 PM |
| Chimmethane | (HD) | 0.60 | mal | 500 | 3/24/2016 3:00:52 PM |
| 2-Chlorotoluene | ND | 0.20 | mail | 200 | 3/24/2016 3:00:52 PM |
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| 1.2-Dibromo-3-chioroarooane | NID | 0.40 | man. | 200 | 3/24/2016 3 (RP.52 PM |
| Dibramochiloronalfanna | ND | 0.20 | maß | 500 | 3/24/2016 3:00:52 PM |
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| 1.2-Oldristocrocene | ND | 0.20 | Aom | 200 | 3/24/2016 3:00:52 PM |
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| 4-Isopropyttoluene | ND | 0.20 | malL | 200 | 3/24/2016 3:00:52 PM |
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| Hall Environmental Analysis | Labora | tory, Inc. | | | Under 1603-461 e lieponed: 4/11/2010 |
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| Lab ID: 1503A61-001 | Matrix: | AOUEOUS | Received I | Date: 3/22/20 | 016 7:05:00 AM |
| Analyses | Repuli | PQL Qual | Units | DF | Date Analyzed |
| EPA METHOD 8200B: VOLATILES | - | _ | | | Analyst: AG |
| n-Propylbenzene | ND | 0.20 | mgt. | 200 | 3/24/2016 3:00:52 PM |
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| Styrene | ND | 0.20 | mat | 200 | 3/24/2018 3:00:52 PM |
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| 1.2.3-Trichkirobenzene | MO. | 0.20 | man_ | 200 | 3/24/2016 3:00:52 PM |
| 1,2,4-Trichiorobenzene | NO | 05.0 | mgit | 200 | 3/24/2016 3:00:52 PM |
| 1,1,1-Trichloroethane | ND | 0.20 | mg/L | 200 | 3/24/2016 3:00:52 PM |
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| Trict/larofluommillium | ND | 0.20 | mpA | 200 | 3/24/2016 3:00:52 PM |
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Analytical Report

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| Bértanné | | 52 | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
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| ciuana | | ND | 1.0 | | | | | | | | |
| Ethylbenzene | IN IT DO | ND | 1.0 | | | | | | | | |
| éélinyi lert-bulyi élin 1,2,4-Trimothylbona | | ND | 1.0 | | | | | | | | |
| 1,3,5-Trimethylberu | | ND | 1.0 | | | | | | | | |
| 1,2-Dichloroeihane | | ND | 1.0 | | | | | | | | |
| 2-Dihmmoethane | | ND | 1.0 | | | | | | | | |
| Naphthalene | 1 | ND | 2.0 | | | | | | | | |
| - hinti yiruzyi ilisaleri | | ND | 4.0 | | | | | | | | |
| Methyliophenaker | | ND | 4.0 | | | | | | | | |
| Acetone | | ND | 10 | | | | | | | | |
| are suredoniere | | ND | 1.0 | | | | | | | | |
| Bromodichiorometh | ane | ND | 1.0 | | | | | | | | |
| innatore | | ND | 1.0 | | | | | | | | |
| Secondara | | ND | 3.5 | | | | | | | | |
| Bulanone | | ND | 10 | | | | | | | | |
| Carbon disulfide | | ND | 10 | | | | | | | | |
| Carbon Tetrachlorid | 0 | ND | 1.0 | | | | | | | | |
| Chicrobenzene | | ND | 1.0 | | | | | | | | |
| Chloroethane | | ND | 2.0 | | | | | | | | |
| Chloroform Chloromethane | | ND | 1.0 | | | | | | | | |
| 2 Chlorotoluono | | ND | 3.0 | | | | | | | | |
| | | 11D | 1.0 | | | | | | | | |
| Qualifiers: | | | | | | | | | | | |
| | | Contaminant | Levyl. | | | | | ind Melliol III | anti- | | |
| | falati Done ya h | | | | | | iunicuo pange | | | 1000 | 61.5 |
| | | ution in analysi | n prottåd | 1 | | | neime quantri | ation invite | | Page 4 o | 4 10 |
| | ted at the Rep. de accepted re | | | | e candos | pH Not In ng Detecti | | | | | |
| | de accepted re ry outside of n | | | | W Sample | | on Thur | | | | |

QC SUMMARY REPORT -9701 (683.46) Hall Environmental Analysis Laboratory, Inc. 11-400-26 Souder, Miller and Associates Client:

| 10.0 | D: PEW | | | | | | | | | | | |
|--------------------|---|------------|-------------|-----------|-------|------------|--|-----------------|--------------------|----------|----------|------|
| Prep Da Analyte | | Balo | n LD. Rá | 3057 | | R | inNo: 3 | 1057 | | | | |
| Analyse. | ate: | Analysis D | late: 3/ | 24/2016 | | Se | igNo: 1 | 014300 | Units: µg/L | | | |
| | | Result | PQL | SPK value | SPK R | ef Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| -Chloroto | | ND | 1.0 | | | | | | | | | |
| s-1,2-0C | | ND | 1.0 | | | | | | | | | |
| is-1,3-Did | chioropropene | ND | 1.0 | | | | | | | | | |
| | no-3-chioropropane | ND | 2.0 | | | | | | | | | |
| | noromethane | ND | 1.0 | | | | | | | | | |
| Noromorn | ethane | ND | 1.0 | | | | | | | | | |
| ,2 Dichlor | robonzono | ND | 1.0 | | | | | | | | | |
| | robenzene | ND | 1.0 | | | | | | | | | |
| ,4-Dichlor | robenzene | ND | 1.0 | | | | | | | | | |
| Nichlorodi | fuoromethane | ND | 1.0 | | | | | | | | | |
| 1-Dichlor | | ND | 1.0 | | | | | | | | | |
| 1-CHONON | roeffene | ND | T.U | | | | | | | | | |
| 2000 | notropatel | ND | 1.0 | | | | | | | | | |
| 3-Dichlor | ropropane | ND | 1.0 | | | | | | | | | |
| 2-Dichlor | ropropane | ND | 2.0 | | | | | | | | | |
| 1-Dichlor | ropropene | ND | 1.0 | | | | | | | | | |
| lexachion | obutadiene | ND | 1.0 | | | | | | | | | |
| Hexanor | 10 | ND | 10 | | | | | | | | | |
| sopropylb | enzene | ND | 1.0 | | | | | | | | | |
| -Isopropy | ansulotti | ND | 1.0 | | | | | | | | | |
| -Methyl-2 | -pentanone | ND | 10 | | | | | | | | | |
| Jettylens | Criticia | ND | 3.0 | | | | | | | | | |
| duyluen | 1.0.10 | ND | 3.0 | | | | | | | | | |
| Propyfoe | enzene | ND | 1.0 | | | | | | | | | |
| ec-Butylb | enzene | ND | 1.0 | | | | | | | | | |
| Styrene | | ND | 1.0 | | | | | | | | | |
| ert-Butylb | enzene | ND | 1.0 | | | | | | | | | |
| | hachioroathana | ND | 1.0 | | | | | | | | | |
| 3,2,2-Te | varinbepetiane | MD. | 20 | | | | | | | | | |
| etrachion | oethene (PCE) | ND | 1.0 | | | | | | | | | |
| ans-1,2-0 | | NU | 1.0 | | | | | | | | | |
| rans-1.3-0 | Dichloropropene | ND | 1.0 | | | | | | | | | |
| | hlorobenzene | ND | 1.0 | | | | | | | | | |
| | Norobenzene | ND | 1.0 | | | | | | | | | |
| | Noroethane | ND | 1.0 | | | | | | | | | |
| | hloroethane | ND | 1.0 | | | | | | | | | |
| | thene (TCE) | ND | 1.0 | | | | | | | | | |
| | uoromethane | ND | 1.0 | | | | | | | | | |
| | tioropropane | ND | 2.0 | | | | | | | | | |
| | _ | | | | | | | | | | | |
| Qualifier | ra: Shu eventa Maxima | Contractor | Court. | | | Analysis - | and a | the same of | ted Method Bla | 4 | | |
| | ample Diluted Due to 1 | | Passe. | | | | | tilation energy | | | | |
| | olding times for pretai | | | | | | | titation emerge | | | | 610 |
| | osting times for pretta- to Detected at the Rep- | | a criterile | | | | esected in the letter of the l | | amon mumit. | | Page 5 p | 110 |
| | PD outside accepted re | | | | | | | | | | | |
| | Recovery outside of r | | | and in | | | g Detecti | | is out of limit as | minified | | |

QC SUMMARY REPORT

Client:

Wor IGAAGI. 11-Apr-16

Hall Environmental Analysis Laboratory, Inc. Souder, Miller and Associates

| Project: McDer | mott CS | | | | - | | | | | - |
|----------------------------|--------------------------|------------------|-----------|----------------|----------|-----------|-------------|--------|----------|-------|
| Sample ID rb | Sampi | Type: Mi | BLK | Tea | Coda: E | PA Method | 82568: VOL | ATILES | | |
| Client ID: PBW | Bato | Batch ID: R33057 | | | tunNo: 3 | 3057 | | | | |
| Prep Date: | Analysis Date: 3/24/2016 | | /24/2016 | SeqNo: 1014300 | | | Units: µg/L | | | |
| Analyte | Rand | FQL | SPK value | SPK Ref Val | WREC | LowLand | HighLimit | SARPD | RPDLimit | Chial |
| Vinyt chloride | ND | 1.0 | | | - | | | _ | | - |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Sur: 1,2-Dichloroethane-d4 | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 11 | | 10.00 | | 109 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 12 | | 10.00 | | 116 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.9 | | 10.00 | | 98.7 | 70 | 130 | | | |
| | | | | | | | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

| Sample ID mili 24409 | Somp | Type: Mi | BLK | Tes | iGode E | PA Method | 82700 TOLF | | | | |
|--|--|----------|----------------|-------------|-----------------------------|---|-----------------|-------|----------|------|--|
| Circl UI PBS | Finite | h ID: 24 | Ana | | RunNo 2 | | | | | | |
| Prep Date: 3/24/2016 | Anabala | | - | | SingNo: 1014382 Units: mg/L | | | | | | |
| Araniyte | Result | POL | SPM value | SPK Ref Val | | | HighLimit | MRPD | RFDLinii | Qual | |
| 2-Methylphenol | ND | 200 | | | | samenta | - agrication | | TO DUNIN | - | |
| 3+4-Methylphenol | ND | 200 | | | | | | | | | |
| Phenol | ND | 200 | | | | | | | | | |
| 2.4-Dinitrotokuene | ND | 0.13 | | | | | | | | | |
| lexachlorobenzene | ND | 0.13 | | | | | | | | | |
| lemminity (building | ND | 0.50 | | | | | | | | | |
| Issumorosthese | ND | 9.0 | | | | | | | | | |
| Vitrobenzene | ND | 2.0 | | | | | | | | | |
| Pentachiorophenol | ND | 100 | | | | | | | | | |
| Pyridine | ND | 5.0 | | | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 2.0 | | | | | | | | | |
| Cresols, Total | ND | 200 | | | | | | | | | |
| Sur: 2-Fluorophenol | 0.14 | 200 | 0.2000 | | 71.9 | 15 | 124 | | | | |
| Sum: Phenol-d5 | 0.17 | | 0.2000 | | 86.2 | 15 | 118 | | | | |
| Sur: 2,4,6-Tribromophenol | 0.16 | | 0.2000 | | 78.8 | 15 | 148 | | | | |
| Sur hirobstzini-dfi | 0.10 | | 8.1000 | | 87.3 | | 140 | | | | |
| Ser 2-Florebilder | D GAS | | 0,1000 | | 83.3 | 40,0 | 128 | | | | |
| Sutr. 4-Testhenyl-d14 | 0.061 | | 0.1000 | | 81.2 | 18.8 | 115 | | | | |
| | | _ | | _ | - | | | _ | | | |
| Simple ID (csi-24409 | | Type: Lo | | | | | 8270C TCLP | | | | |
| Client ID: LCSS | | h ID: 24 | | | RunNo: 3 | | | | | | |
| Prep Date: 3/24/2016 | Analysis | Date: 3 | /24/2016 | | SeqNo: 1 | 014304 | Units: mg/L | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LOWLIMIT | regnLimit | %RPD | RPDLimit | Quai | |
| 2-Methylphenol | 0.096 | 0.010 | | 0 | 95.8 | 32.1 | 120 | | | | |
| 5+4-Mothytohenol | 0.28 | 0.010 | | 0 | 138 | 10.9 | 504 | | | | |
| 4-Dinitionalucric | 0.067 | 0.010 | 0.1000 | Û | -87,2 | 41,5 | 118 | | | | |
| Hexachlorobenzene | 0.081 | 0.010 | | 0 | 81,4 | 37.7 | 99.4 | | | | |
| texat/millulaine | 0.098 | 0.010 | | 0. | 07.8 | 30.6 | 107 | | | | |
| Harvier Corrections | B 087 | 0.010 | 0.1000 | - 0 | 87.3 | 27.4 | 121 | | | | |
| WULLCHITTHE THE | 0.090 | 0.010 | 0.1000 | 0 | 90.0 | 28.8 | 134 | | | | |
| Pentachiorophenol | 0.080 | 0.010 | 0.1000 | τ.0 | 861,2 | 7.71 | 100 | 1.1.1 | | | |
| Pyridine | 0.075 | 0.010 | 0.1000 | ÷.0 | 10.0 | 8.54 | 1.28 | | | | |
| 2.4.5-T/chieron/terrol | p.10 | 0.010 | 0.1000 | 0 | 103 | 25.3 | 146 | | | | |
| 2,4,5-Trichlarophenol | 0.098 | 0.010 | 0.1000 | ō | 98.4 | 21.5 | 145 | | | | |
| Cresols, Total | 0.37 | 0.010 | 0.3000 | 0 | 124 | 30 | 136 | | | | |
| Sur: 2-Fluorophenol | 0.17 | | 0.2000 | | 84.1 | 15 | 124 | | | | |
| Sum Phenol-d5. | 0.19 | | 0.2000 | | .96.8 | 15 | 118 | | | | |
| 1.11.1 | | | | | | | | | | | |
| Qualifiers: * Value exceeds Maximu | m Contamia | 1 must | | B Analyti | a datasted | in the area its | ted Method Blat | | | | |
| vance exceeds Maximu | Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix | | | | | | | ik. | | | |
| | | | titation range | | | Page 7 o | F10 | | | | |
| | | | | | | E Strathe and a strate design of the strate | | | | | |
| | Conception of the local division of the loca | | | | | | | | | | |
| ND Not Detected at the Rep R RPD outside accepted r | | | | | pH Not in ing Detecti | | | | | | |

Qualifiers: • Vable receds Maximum Contaminant Level. D Sample Dilated Due to Marix 11 Isfelding times for psynamics or analysis exceeded 10 res Detector at the Reporting Limit. R RPD outside accepted recovery limits S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 / Analyte detected below quantitation limits
 F Sample 21 Not In Range
 RL. Reporting Detection Limit
 Sumple contribute temperature is cert of limit as the Page 6 of 10 specified

> AVERIO. 1503,551

| W | Samole c | ontainer | temperature | is out of | limit as |
|---|----------|----------|-------------|-----------|----------|
| | | | | | |

| Hall Environmen | tal Anal | ysis I | aborat | ory, Inc. | | | | | | II-An-I |
|---|---------------|-----------|-----------|-------------|-----------|------------|--------------|------|----------|---------|
| | r, Miller and | Associ | ues | | | | | | | |
| Semule ID Ins-26409 | Samu | Cyser L.C | a | THE | GUE E | FA Meshoul | 6279C TGLP | | | |
| Client 1D LCSS | Bala | 10 24 | 409 | | unNer X | 3040 | | | | |
| Prep Date: 3/24/2016 | Analysis [| Date: 3 | 24/2016 | 5 | SeqNo: 1 | 014304 | Units: mg/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surt 2,4,5-Tribromophenol | 0.17 | | 0.2000 | | 86.1 | 15 | 148 | | | |
| Sur: Nitubercene eff | 0.10 | | 0.1000 | | 1.02 | 40.5 | 124 | | | |
| Sain: 2-Fillonobip/hem/ | 0.094 | | 0,1000 | | 94.2 | 35.7 | 128 | | | |
| Sum: 4-Terphenyl-d14 | 0.067 | | 0.1000 | 1 | 66.8 | 18.8 | 115 | | | |
| Sample ID land 24409 | Samp | Type: Lo | :90 | Tes | Cedir El | PA Method | \$270C TOLE | | | |
| Climito LG5862 | Desc | h (0) 24 | 405 | .4 | iuntion 3 | 5040 | | | | |
| Prep Date: 3/24/2016 | Analysis (| Date: 3 | 24/2016 | E | SecNo 1 | 014305 | Units' mark. | | | |
| Analyse | Result | POL | SPK value | SPK Ref Val | INREC | LowLimit | HighLimit | %RPD | RPDLimit | Quili |
| A Althyle hands | 0,097 | 0.010 | 0.1000 | 0 | 96.9 | 32,1 | 120 | 1,22 | 20 | |
| +4 Mounylphicnoli | 0.32 | 0.010 | 0.2000 | 0 | 160 | 10.5 | 204 | 15.0 | 20 | |
| 2,4-Dinitrotoluene | 0.080 | 0.010 | 0.1000 | 0 | 80.2 | 41.9 | 116 | 8.34 | 20 | |
| WOUTH-Designed | 0.088 | 0.010 | 0.1000 | | 87.9 | 37.7 | 99.4 | 7.70 | 20 | |
| una historia da contra da | 01.0 | 0.046 | 0.4000 | n. | 104 | 30.6 | 107 | RAT | 20 | |
| Anastrick colleges | 0.089 | 0.010 | 0.1000 | 0 | 89.0 | 27.4 | 121 | 1.88 | 20 | |
| Wtrobenzene | 0.091 | 0.010 | 0.1000 | 0 | 91.1 | 28.6 | 134 | 1.13 | 20 | |
| Pentachlorophenol | 0.084 | 0.010 | 0.1000 | 0 | 84.4 | 7.71 | 111 | 5.15 | 20 | |
| yridren | 0.078 | 0.010 | 0.1000 | 0 | 78.1 | 8.54 | 82.4 | 4,16 | :20 | |
| 4,5-Trianorophenor | 0.12 | 0.010 | 0.1000 | o | 115 | 25.3 | 140 | 11.1 | 20 | |
| 2,4,6-Trichlorophenol | 0.10 | 0.010 | 0.1000 | 0 | 102 | 21.5 | 145 | 3.14 | 20 | |
| Dreezvie, Total | 0.42 | 0.010 | 0.3000 | 0 | 139 | 30 | 130 | 11.5 | 20 | ŝ |
| Som 2-Riderophanial | 0.10 | | 0.2000 | | 79.8 | 15 | 124 | 8 | 20 | |
| Sun: Prerol-d5 | 0.19 | | 0.2000 | | 97.5 | 15 | 118 | D | 20 | |
| Sav 2.4,5-Tithmorphond | 0.19 | | 0.2000 | | 93.2 | 15 | 148 | D | 20 | |
| for: Neocensire-d5 | 0.11 | | 0.1000 | | 100 | 40.0 | 124 | D | 20 | |
| Sur: 2-Florotipheryl | 0.091 | | D.1000 | | 90.7 | 35.7 | 128 | | 20 | |
| Sur: 4-Terphenvi-014 | 0.068 | | 0,1000 | | 07.8 | 10.0 | 110 | o | 20 | |

| | n, Miller and Associates ermott CS | |
|-----------------------|---|--|
| Server ID MD-24421 | SempType: milels. | TestGode EPA Motion3 7476: Mercercy |
| Chini ID: PBW | Balet: IO: 14421 | Faintes: 33122 |
| Prep Date: 3/24/2016 | Analysis Date: 3/25/2016 | SecNo: 1016591 Units: mg/L |
| Analyte Memury | | SPIL Ref Val NREC LowLimit HighLimit SIRPD RPDLimit Ouel |
| Bample ID LCS-24421 | BarrigTyper Ace | TasiCiste EPA Method 7479: Menury |
| CliencID LCSW | Baricti (D: 24421 | Bushis: 33122 |
| Prepr Date: 3/24/2018 | Analysis Date: 5/25/2016 | Surphim (616862 Units, mg/L. |
| Analyte | Result PQL SPK value | SPH, Ret Val. SuREC. LoveLimit HighLimit SuRPD RPDLimit Quel |
| Sample ID LCSD-24421 | 0.0049 0.00020 0.005000 SamoType: lead | 0 97.7 80 120 TestCode EPA Method 7479: Mercury |

| Mercury | | 0.0050 | 0.00020 | 0.005000 | 0 | 99.4 | 80 | 120 | 1.77 | 20 | | |
|------------|-----------|---------------------------|-----------------|-----------------|-------------|----------|-------------|-----------|------|-----------|------|--|
| Analyte | | 'Result' | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit: | Qual | |
| Prop Data: | 3/24/2010 | Availytes Date: 3/25/2018 | | Sedino: Injunna | | | Onthi: Mort | | | | | |
| Client ID; | LCSS62 | Bat | Batch (D: 24421 | | F | tunNa: 3 | 3122 | | | | | |
| | | | | | | | | | | | | |

- Qualifier:
 *
 Vide exceeds Marinum Continuum Level.

 D
 Sample Didated Davis Materix
 Holding times for programs in an analysis exceeded.

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 Holding times for programs in an analysis exceeded.

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 Holding times for programs in analysis exceeded.

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 Holding times for programs in an analysis exceeded.
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 S
 % Recovery outside of range due to division or matrix
 Molding times for programs in analysis.
- B Analysis directed to the associated Method Neasi
 E: Veloc shower quantinative rouge
 A society develocible Hele equations to this in
 Y sample pill Nei as litting:
 Page 8 of 10
 Y Sample consider temperature is out of limit as specified

 Qualifiers:
 *
 Value scenals Maximum Consuminum, Lovil.

 D
 Samele Divided Due in Matrix.
 1

 Holding times for perpendion on antijstin exceeded
 ND
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 Description of a metry perpendion on antijstin exceeded

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 Description of the perpendion on antijstin exceeded

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 S
 % Recovery onzaide of range due to dilution or matrix

R Analyse densated in the seventural Modera Histo.
 L: Value index quantization renge
 i Analyse densed believ quantization initias
 P Sample pH Noi Is Range
 RJ. Reporting Detections Limit
 W Sample container temperature is out of limit as specified

Page 9 of 10

11-Apr-16

WUR. 1683A61

0/08 109A403

Holpeste

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Tient: roject: | Souder, N McDermo | | Associat | U 5 | | | | | | | | | |
|---|---|--|--|---|--|------------|----------------|----------------|--------------------------|-----------|----------|--|--|
| Servic D MD | 26414 | Samp | Type: MB | 18 | - | TmilO | ute EP/ | 4 0010B. | Tutal Recove | able Met | - | | 1 |
| Prep Date: 3/2 | | Bald Analysis I | n ID: 344 Date: 3/2 | | | | nNo: 101 | | Units: mg/L | | | | |
| unal year | | Result | PQL | | . SPI Re | | | | HighLima | SURPD. | RPDLink | Qual | |
| rateric arium admium | | ND ND | 0.020 0.020 0.0020 | | | | | | | | | | |
| aomum hromium rad | | ND ND | 0.0020 | | | | | | | | | | |
| elenium Ivor | | ND ND | 0.0050 | | | | | | | | | | |
| iver Samplie ID LCS | 5-24414 | _ | 0.0050 Type: LG8 | 5 | - | TexiC | uin EP/ | A 60108: | Total Recove | rable Mob | ÷. | | Ĩ. |
| Seeito ics | tw | Rate | h 10 244 | t.A. | | Fire | die 330 | 175 | | | | | |
| Prep Date: 3/2 Analyte | 2010 | Analysis I Result | POL | EPK value | BPK Re | | | LowLini | Units: mg/L HighLimit | 1.RPD | RPDLimit | Qual | |
| (back) | | 0.50 | 0.020 | 0.500 | 0 | 0 | 99,4 06,2 | 80 80 | 120 | | | | |
| admixm mornum | | 0.48 | 0.0020 | 0.500 | 0 | 0 | 95.6 96.0 | 80 80 | 120 120 | | | | |
| elenium | | 0.47 | 0.0050 | 0.500 | 0 | 0 | 94.8 96.3 | 80 80 | 120 120 | | | | |
| her Sample ID LCS | 93-24414 | 0.097 Sitimo | 0,0050 | 0.100 | 0 | 0 Tento | 97,4 | 80 A 001081 | 120 TOSH MACOVE | rable Met | sie | _ | 1 |
| Chant ID: LCS | 8902 | Bako | N ID: 144 | 14 | | Ru | No: 330 | 873 | | | | | |
| Prep Date: 3/2 Anniyas | 24/2016 | Analysis (| | | e SPK He | | No: 101 | | Units: mg/L | WRPD | RPDLink | Quel. | |
| nonya nenic anum | | 0.50 | 0.020 | 0.500 | 0 | 0 | 199.7 195.1 | 50 80 | 120 | 0.315 | 20 | James 1 | |
| armium | | 0.48 | 0.0020 | 0.500 | 0 | 0 g | 95.7 95.1 | 60 80 | 120 | 0.105 | 20 | | |
| and . | | D.47 D.48 | 0.0050 | 0.500 | a | 0 0 | 94.6 96.8 | 60 60 | 120 | 0.232 | 20 | | |
| IVE | | 0.097 | 0.0050 | 0.100 | | Ū | 97.3 | 50 | 120 | 0.123 | 20 | | |
| | | | | | | | | | | | | | _ |
| MENTAL | 7108 | | | o Y) zeło | | | | | | | | Tele Conderso | + anivolat telecti |
| ONMENTAL (BORATORY (201 | NN 87108 45-4107 | | | VOV-ime | sang 114 15) 0229 | X | | | | | | Beef Teld Company | |
| IRONMENTAL 5 LABORATORY Metiadan | entue, MM 87108 205-345-107 10quet1 | 1. | (8062 F | sebioila (AOV AOV-ime | s) 0758 99 1608 99 1608 | X | | | | | | Second Land | through on the interval front |
| ENVIRONMENTAL SIS LABORATORY Monmental can | ubiogramywa NAN 87108 Fax 505-345-1107 styles Request | [*os*0 | V) (8062 F | F,CI,NO VOA) emi-VO/ |) anoinA eq 7803) 80958 (2) 0758 (2) 0758 | | | | | | | H. Renat | family stated of the statycol |
| LL ENVIRONMENTAL ALYSIS LABORATORY hallewitemental con | E – Alboquerue NN 87108 115 – Fur 605-345-197 Añalyak Roquest | ros"o J | 1 8062 F | Ribides VOA) sitotes voA) smi-VO/ smi-VO/ | s) 0758 99 1608 99 1608 | | | | | | | H. Renat | family stated of the statycol |
| HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallewitonnenial.com | kins ME ~ Albrauentum MN 87108 MS 3875 F. F.v. 505-345-4107 Annitytis Straptical | ros"o J | V) 1 8085 E 12 7 7 12 7 12 7 14 1) | Minod 50 Pro Drf 50 Pro Drf 50 Pro Drf 70 Pro Drf 70 Pr | 878 (MM) 87449 87478 87478 99199 98080 98080 9809 9809 9809 870 870 870 870 8 | X | | | | | | H. Renat | family stated of the statycol |
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| Cilisint Name: BMA-FARM Work Order Num | DOF: 1093A61 | | PoptNa: 1 |
| Received by/dates D3/22/16 | | 0 10 | |
| Logged By Anne Thome 3/22/2016 7.05:00 / Completed By Anne Thome 3/22/2016 / | AM | an In | - |
| Reviewed By Aa 03 22 | V.c. | Um In- | ~ |
| Chain of Custody | n.p | | |
| 1. Custody seals intact on sample bottles? | Yes 🖂 | No 🗆 | Not Present |
| 2. Is Chain of Custody complete? | Yes 🗹 | No 🗍 | Not Present |
| 3, How was the sample delivered? | Courier | | |
| 4. Was an attempt made to cool the samples? | Yan 🐼 | No [] | NALI |
| Alse au smallbi unice lo cool pie selubles l. | Y86 (92) | NO LLI | HA LI |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes M | No 🗆 | MA 🗖 |
| 6. Sample(s) in proper container(s)? | Yes 🗹 | No 🗆 | |
| 7. Bufficient sample volume for indicated teat/es? | Yes M | No 🗌 | |
| B. Are samples (eaclept VCA and ONG) properly preserved? | Ves M | No [] | 10 PT |
| 9. Was preservative added to bottles? | Yan 1.3 | No M | NA 🗆 |
| 10 VOA visis have zero besidepane? | View 🛄 | No El | No VOA VIAN 121 |
| 11. Were any sample containers received broken? | Yes 🗌 | No M | # of preserved bottles checked / |
| 12. Lose papevent mision pottia labela? (Note discrepancies on drain of canasity) | Yan Mi | NO 🖽 | to pit |
| 13, Are matrices correctly identified on Chain of Custody? | Yes 🗹 | No 🗆 | Adjusted NO |
| 14, Is it clear what analyses ware requested? 15. Ware all holding times able to be met? | Yes M | No D | Chocked by: Da |
| (if no, notify customer for authorization.) | 100 (81) | and [| - yn |
| Special Handling (if applicable) | | | |
| 16. Was client notified of all discrepancies with this order? | Yes 🗔 | No D | NA M |
| Pareon Notified Deter | 1 | | |
| By Whater Vie. | C eMai C i | Phote 🗌 Fax | In Person |
| Client Instructions: | 0.000 | | and the second second |
| 17. Additional remarka: | | | |
| Page I of I | | | |
| и: И топор. По., Шана, КА МЭН За. Благру Minerals | | | IV "i |
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| State of Name And State State of Name And State State of Name And State S | and Natural Re and Natural Re Vation Division 151, Francis J. 2, NM 87305- AL TO AC A 87401 A 170 AC A 87401 A 17401 A | on estimation of the second of | and Convertient Section 15 of 19 19 19 19 19 19 19 19 19 19 19 19 19 |
| 121 State of 122 Second Name, NM 8010 Director Minoraba 122 Second Name, NM 8010 OH Consec 122 Second Name, NM 8010 OH Consec 122 Second Name, NM 8010 OH Consec 123 Franks, Name, NM 8010 Statt P of 121 Franks, Name, NM 8010 Statt P of 1220 Source and Address. Cryptic F DC APPROV Coerrator Name, and Address. Statt P of Statt P of 121 Section 20 Township 30 North Range W West; 36.778712 Secrec and Description of Waste: Statt P of 121 Secrec and Description of Waste: Secrec and Description of Waste: Statt P of Statt P of 121 Secrec and Description of Waste: Statt P of Statt P of Statt P of 121 Secrec and Description of Waste: Statt P of Statt P of Statt P of 121 Secrec and Description of Waste: Statt of Statt P of Statt of< | and Nausari Re and Nausari Re Vation Division 151, Francis J. 5, NM 87305- AL TO AC 6 87401 4 37401 4 37401 4 37401 4 37401 4 37401 4 37401 4 37401 4 37401 1 3740 1 374 | on | and Convertient Section 15 of 19 19 19 19 19 19 19 19 19 19 19 19 19 |

Hall Bernessental Analysis Laboratory 1961 Hawking NE Alwayatrya, Mikrillo 122, 105-125-1972 File 313-545-1497 Website: www.kelberitesental. HALL ENVIRONMENTAL ANALYSIS February 02, 2017 Ashley Maxwell

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/27/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our secredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirely, See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the

QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications. ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

OrderNo.: 1701B28

| Hall E | nvironmental Analysis | Labora | tory, In | ic. | | | Analytical Report Lab Order 1701B28 Date Reported: 2/2/2017 | |
|-----------|---|---------|------------|------|--------------|-----------|---|--------|
| Project: | Souder, Miller and Amoesiaes Hart Canyon 2 | | | | | Date: 1/2 | 6/2017 7:58:00 AM | |
| Lab ID: | 17011325-001 | Matrix: | AQUEOUS | 5 | Received | Date: 1/2 | 7/2017 8:40:00 AM | - |
| Anatyses | | Result | PQL | Qual | Units | .DF | Date Analyzed | Batch |
| EPAME | THOD 7470; MERCURY | | | | | | Analyst | pmf |
| Mercary | | ND | 0.00020 | | uch. | 1 | 1/30/2017 3 09 15 PM | 29942 |
| - | 08: TOTAL RECOVERABLE ME | TALE | | | | | Analyst | inmi |
| | ARCIDIAL RECOVERABLE ME | ND | 5.0 | | mal | 10 | 2/1/2017 5:08:03 PM | 29031 |
| Arsenic | | ND | 5.9 100 | | mgit | 10 | 2/1/2017 5:08:03 PM | 25931 |
| Banum | | ND | 1.0 | | mgit | 1 | 1/30/2017 11:51:20 AM | |
| Cadmiu | | ND | 1.0 | | mg/L mg/L | 10 | 2/1/2017 5:08:03 PM | 29931 |
| ChromA | un. | HD - | 5.0 | | mail | -10 | 2/1/2017 5:08:53 PM | 20931 |
| Seleniur | | ND | 5.0 | | mgiL | 10 | 2/1/2017 5:08:03 PM | 29931 |
| Selenius | n. | ND | 5.0 | | mat | 5 | 2/1/2017 5:06:53 PM | 29931 |
| | | 103 | 5.9 | | mar | 9 | Sector of the sector of the | |
| EPA ME | THOD BITOC: PAHS | | | | | | Analyst | |
| Naphtha | deno | ND | 2.8 | - D | HD/L | - T | 1/30/2017 3/06:31 PM | 29925 |
| -i-Metry | muphthalans | ND | 2.5 | | ugit. | | 1/30/2017 3:06:31 PM | 29925 |
| 2-Melliny | fmaphthalene | ND | 2.5 | | NB/L | - 1 | 1/30/2017 3:06:31 PM | 20025 |
| Acenapi | hthylene | ND | 2.5 | | µg/L | 1 | 1/30/2017 3:06:31 PM | 29925 |
| Accorp | hthere | ND. | 3.8 | | 100 | 1 | 1/30/2017 3/06:31 PM | 29925 |
| Fluomer | | ND | 2.6 | D | HOL | 4 | 1/30/2017 3:08:31 PM | 29925 |
| Phenan | threne | ND | 2.5 | D | 101 | T | 1/20/2017 1:06:31 PM | 29921 |
| Anthred | iona. | ND | 25 | Q. | Light_ | 1 | 100/2017 3:06;31 PM | 58852 |
| Fixenin | Duerse | ND | 2.5 | | 101 | 1 | 1/30/2017 2:06:31 PM | 29929 |
| Pyrete | | ME | 2.6 | | PDL | 1 | 1/30/2017 3:06:31 PM | 29925 |
| Bertzini | anthractine | ND | 3.5 | | HALL. | | 1/00/2017 3:06:31 PM | 30036 |
| Chryse | 90 | ND | 2,5 | | HOL | 1 | 1/30/2017 3:06:31 PM | 29926 |
| |)/luorantha | NO | 2.5 | | HIGH. | 1 | 1/30/2017 3:06;31 PM | 29925 |
| | Accountient | NO | 23 | | -Ug/L | | US0/2017 A:06:31 PM | 20025 |
| | a)czyrmien | ND | 2.5 | | hbyr | 1 | 1/30/2017 3:06:31 PM | 29925 |
| | a.h)ent/resiene | NO | 2.5 | | NOL | 1 | 1/30/2017 3/06/31 PM | 29925 |
| | g, in Altomytelens | ND | 2.5 | | uar. | 1 | 1/36/2017 3 06 31 FM | 29825 |
| | 7,2;3-ccl gyrarm | ND. | 25 | | N9/L | 1 | 1/20/2017 3:06:31 PM | 29925 |
| | N-hexadecane | 34.3 | 15-176 | - | %Rec | 1 | 1/30/2017 3.00.31 PM | 29925 |
| Sur: | Benzo(e)pyrene | 61.8 | 15-198 | B D | %Rec | 1 | 1/30/2017 3:06:31 PM | 29925 |
| EPA ME | THOD 8260B: VOLATILES | | | | | | Analyst | |
| Berg/en | | 0.64 | 0.50 | 1 | mgt. | 20 | 0 1/27/2017 8:13:49 PM | A4034 |
| Taksend | | -3.0 | 0.20 | | mail | 20 | 0 1/27/2017 8:13:45 PM | A4034 |
| Ethylbe | | ND | 0.20 | 3 | mail | . 30 | 0 1/27/2017 8:13:49 PM | A4034 |
| | tert-butyl ether (MTBE) | ND | 0.20 | 3 | mp7. | -20 | 0 1/27/2017 8:13:49 PM | A403il |
| | down wy hours and | ND | 0.20 | 2 | mart. | 28 | 0 1/27/2017 #13:40 PM | A1034 |
| | rinning ty Konstante | ND | 0.20 | 5 | mp/L | 2 | 0 1/27/2017 8:13:49 PM | A4034 |
| | Noroelliane (EDC) | ND | 0.20 | s | mail. | 20 | 0-1/27/2017 8:13:49 PM | A4034 |

Andy Freem Laboratory Manager 490) Hawkins NE Albuquerque, NM 87109

andy

Sincerely,

Hall Environmental

CLIENT: Souder, Miller and Project: Hart Canyon Z

EPA METHOD 82608: VOL

1,2 Othremosthana (609) Naphthalana 1.Methylnephthalene

o Milliyhazhilalinii Acitore Bronocenzane

Brancichloramshinni Brancióm Dromamathane

2-Buttertane Carbon disuffide Carbon Totachio

Chionaterization Chionoethane Chionoethane Chionoform Chionomethane 2-Chlorotoluene

2-Chlorotokiene 4-Chlorotokiene cie-1,2-OCE ete-1,2-Octorophysion 1,2-District-ophysion 1,2-District-ophysion District-ophysion District-o

1.2-Diavaraburane 1.3-Diakaraburane 1.4-Diariaraburane Catiloras lucrame 1.1-Diakaraburane 1.1-Diakaraburane 1.2-Diakarapropersi 1.3-Diakarapropersi 1.3-Diakarapropersi

2.7-Ekonlorop 1.1-Dictrilorop Hexachicrob 2-Hexanone Homopylonnik 4-isopropykolaane 4-Milthyl 2 pentanorie Manytena Chiada

ers

Lab ID: 1701R28-001

Analyses

Souder, Miller and Associates

401 W. Broadway

Farmington, NM 87401

TEL. (505) 325-5667

FAX (505) 327-1496 RE: Hart Canyon 2

Dear Ashley Maxwell:

Refer to the QC Summary report and sample login checklist for flagged QC data and postervation information Value exceeds Maximum Contaminant Level. Ouslifiers.

Sampe Detection Statistical Constraints Level.
 Sample Dulated Due to Matrix
 Holding times for preparation or analysis exceeded
 ND Not Deutsch at the Reporting Limit
 RPD public accepted recovery limits
 Statistical Statistics
 Statistics

Analytical Report Lab Onler 1701B28

Date Reported 1/2/1817

Batch

Analyst: DJF

on limits Page 1 of 13

Client Sample (II): East BOT

Callection Date: 1/26/2017 7:58100 AM

Received Date: 1/27/2017 8:40:00 AM

OF Date Analyzed

| l Analysis | Labora | tory, Inc. | | Analytical Report Lab Orden 1701838 Othe Reported: 2/2/2017 | 7 | Hall Environmental Analysi | s Labora | tory, Inc. |
|--------------|---------|------------|------------|---|--------|---|----------|--------------|
| d Associates | Matrix: | AOUEOUS | Collection | ne 10: East BGT Date: 1/26/2017 7:58:00 AM Date: 1/27/2017 8:46:00 AM | | CLIENT: Souder, Miller and Association Project: Hart Conyon 2 Lab fD: 1701828-001 | Matrix: | C AQUEQUS |
| | Result | PQL Qua | I Units | DF Date Analyzed | Batch | Analyses | Result | PQL Qual |
| LATILES | | | | Analyst | | EPA METHOD 8280B: VOLATILES | | |
| | ND | 0.20 | mail | 200 1/27/2017 0:11:49 PM | A4634 | w Badylbenzene | ND | 0.00 |
| | ND | 0.40 | mpA | 200 1/27/2017 8.13.49 PM | A40344 | n-Propylberazeria | ND | 0.20 |
| | NO | 0.80 | mart | 200 1/27/2017 8:12-49 PM | A40344 | sec-Butylbenzene | ND | 0.20 |
| | NO | 0.60 | Apm | 200 1/27/2017 0:13:49 PM | A4034H | Styrene | ND | 0.20 |
| | ND | 2.0 | more | 200 1/27/2017 8:13:49 PM | A40344 | tect-Elutytoonzono | PIES | 0.20 |
| | ND | 0.20 | man | 200 1/27/2017 8:13:49 PM | A40344 | 1,1,1,2 Totrachierocemene | +123 - | 0.20 |
| | NO | 0.20 | mgil | 200 1/27/2017 8:13:49 PM | A40344 | 1.1.2.2-Tel/achigronihane | ND - | 0.40 |
| | ND | 0.20 | mp/L | 200 1/2//2017 6:13 49 PM | A40344 | Teleschlorouthene (PCE) | ND - | 0.20 |
| | 80 | 0.60 | maft. | 200 1/27/2017 8/13/49 PM | A4034# | teams 1,2-DCE | ND. | 6.30 |
| | ND - | 2.0 | man | 200 1/27/2017 8:13:49 PM | A40344 | Innn+1,3-Dichleropmamm | HD - | 0.20 |
| | ND | 2.0 | mail | 200 1/27/2017 8:13:49 PM | A40344 | 1.3.3-Trichlorobenzene | ND | 0.20 |
| | ND | 0.20 | mat_ | 200 1/27/2017 8:15 40 PM | A4034# | 1.2.4.Trichlondbergene | ND | 0.20 |
| | ND | 0.20 | mgfL | 200 1/27/2017 8:13:49 PM | A40344 | 1.1.1-Trichloweilloweillow | ND | 0.70 |
| | ND | 0.40 | man. | 200 1/27/2017 8:13:49 PM | A40344 | 1,1,2-Trichloroethaire | ND | 0.20 |
| | ND | 0.20 | malL | 200 1/27/2017 R-13:49 PM | A40344 | Trichloroethene (TCE) | ND | 0.20 |
| | ND . | 0.60 | Ing/L | 200 1/27/J017 IL 13:49 PM | | Trithioralizovanativna | ND- | 0.20 |
| | ALD. | 0.20 | Agm | 200 1/27/2017 8 13:49 PM | | 1.2.3 Trichloropropume | ND | 0.40 |
| | ND | 0.20 | mg/L | 200 1/27/2017 # 13:48 PM | | Vinyi chionăe | ND | 0.20 |
| | ND | 0.70 | non | 200 1/27/2017 8:13:49 /94 | | Xylenas, Total | ND | 0.30 |
| | NO | 0.20 | mg/L | 200 1/27/2017 8:13:49 PM | | Surr. 1.2-Dichloros//www.dk | 69.0 | 76-150 |
| | NO | 0.40 | mat | 200 1/27/2017 6:13:49 PM | | Burr 4-Bromofluorobenzane | 80.5 | 70-130 |
| | ND | 0.20 | man. | 200 1/27/2017 8/13:49 PM | | Sun Dibrunofournmenana | 88.8 | 70-130 |
| | ND | 0.20 | mgA | 200 1/27/2017 E 13:40 PM | | Surr: Tolueme dB | 09.0 | 70-130 |
| | ND | 0.20 | mg/L | 200 1/27/2017 B:13:40 PM | | | | |
| | ND. | 0.20 | mail | 200 1/27/2017 8:13:49 PM | | | | |
| | ND | 0.20 | mp/L | 200 1/27/2017 8:13:40 PM | | | | |
| | ND | 0.22 | mat | 200 1/27/2017 5 13:49 PM | | | | |
| | ND | D 30 | ing/L | 200 1/27/2017 8:13:49 PM | | | | |
| | ND | 0.20 | mal | 200 1/27/2017 /013:49 PM | | | | |
| | NO | 0.20 | mgsL. | 200 1/27/2017 6 13:49 PM | | | | |
| | NO | 0.20 | mgA. | 200 1/27/2017 8:13:49 PM | | | | |
| | ND | 0.40 | mg/L | 200 1/27/2017 8:13:49 PM | | | | |
| | 1907 | 0.20 | rega. | 200 1/27/2017 8:13 48 FM | | | | |
| | ND | 0.00 | mig/L | 200 1/27/2017 B:13:49 PM | | | | |
| | ND | 2.0 | mail | 200 1/2//2017 8:13 49 PN | | | | |
| | ND | 0.80 | mat. | 200 1/27/2017 H 13 49 PM | | | | |
| | ND | 0.30 | mart | 200 1/27/2017 8:13:49 PM | | | | |
| | ND | 2.0 | mg/L | 200 1/27/2017 6:13:49 PM | | | | |
| | ND | 0.60 | ma/L | 206 1/27/2017 8:13:46 PM | AADAA | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds blackness Costamonat kyrvi
 Sample Disland Due to Marie
 Marie Disland One to Marie
 Marie Costamonate and the second of the sec
- Acolytic Amount in the maximum Mathed Black
 Vida above quantitation ringit
 Autopic datasets beam quantitational limits page 2 of [3, 1]
 super-limit planets planet
 Repressing Distantion (Jami)
 Sample constitute (compressive is out of limit as approximat

Analyst: DJF 2001 (272017 6 1349 PM 40344 200 (272017 6 1349 PM 40344 200 (272017 6 1349 PM 40344 200 (272017 6 1349 PM 4034 200 anni E) 0.30 60.0 60.5 70-150 lama-d4 benzene 10.0 70-130 70-130 N.Rec. 200 1/27/2017 8:13:49 PM 200 1/27/2017 8:13:49 PM A40344 A40344 89.0 n/lec

PQL Qual Units

Refer to the OC Summary report and sample login checklist for flagged OC data and preservation info

- If Analyse detailed in the associated Medical Blank

- al Analyse detailed in the supported Minde Minde Veloc botty quantitation range Analyse deniered before quantitation limits P Sangle off Net Is Karasa R. Reporting Determin Limit W Sample contention Limit W Sample contention runni of limit as openified

- Volue evenesh Maximum Consuminent Level.
 Sample Didated Dae to Marro.
 Molling mine for preparation or unalysis exceeded
 Single and whe Reproving Limit.
 RPD ostivide accepted recovery limits
 The Recovery energies of range dae to distance or material
 The Recovery energies of range dae to distance or material

Analyte detected in the susceiland Method Illink
 Value above quantification range
 Analyte detected below quantification limits
 Page
 Samele Al No In Range
 Reporting Detection Limit
 Memory and the susceilance of the summer of t W Sample commence compensation is our of Heat as of

| | s Laboratory, Inc. | | | | | Analytical Report Lab Order 1701828 Dure Reported: 2/2/2017 | | | | | |
|---|--------------------|------------|------|---------|---------|---|--|-----------|--|--|--|
| THENT: Souder, Miller and Associates reject: Hart Canyon 2 .ab 1Di 1701B25-002 | Matrix: | AOUEOUS | | Collec | tion De | ate: 1/2 | at BGT 6/2017 7:33:00 AM 7/2017 9:40:00 AM | | | | |
| Analyses | Result | PQL Q | uni | Units | | DF | Date Analyzed | Batch | | | |
| EPA METHOD 7470: MERCURY | - | - | | | - | | Analyst | prof | | | |
| Minory | 0.00045 | 0.00020 | | Lot | | - 1 | 1/30/2017 3:11:16 PM | 29942 | | | |
| total and | - | | | | | | Analyst | pmf | | | |
| EPA 6010B: TOTAL RECOVERABLE ME | NO | 5.0 | | ma/L | | 10 | 2/1/2017 5 11:35 PM | 29931 | | | |
| Ansenic | ND | 100 | | imp3 | | -5 | 2/1/2017 5:10:22 PM | 29931 | | | |
| Barium | | 100 | | mat | | 1 | 1/30/2017 11:52:29 AM | 29931 | | | |
| Calmium | ND | 5.0 | | mg/l | | 10 | 2/1/2017 5:11:35 PM | 29931 | | | |
| Chromium | ND | 5.0 | | mg/L | | 5 | 2/1/2017 5:10:22 PM | 29931 | | | |
| Level | ND | 6.0 | | man | | 4 | 2/1/2017 5 10:32 PM | 29931 | | | |
| Salarman | | 5.0 | | man | | | 2/1/2017 5 10:22 PM | 29931 | | | |
| Silver | ND | 5.0 | | man | | | Analyst | | | | |
| EPA METHOD 8270C: PAHs | | | | | | | | | | | |
| Haphthalene | ND | 2.5 | 0 | 00% | | 1 | 1/30/2017 3:30:43 PM | 29805 | | | |
| 1-Maryinophilwiese | NO | 2,5 | Q. | Ug/L | | 1 | 1/30/2017 3:30 45 PM | 29970 | | | |
| 2-Methylmsphihaims | TND | 2,5 | 10 | - scart | | | 1/30/2017 3 30 43 PM | 29975 | | | |
| Apenaphthylene | NO | 2.5 | D | N91 | | | 1/30/2017 3:30:43 PM | 29925 | | | |
| Aconuchmone | 6163 | 25 | D | .ug1 | 2 | 1 | 1/30/2017 3:38:43 PM | | | | |
| Filorenii | - 1463 | 2.5 | D | ugA | | 1 | 1/30/2017 3:30:43 PM | 29625 | | | |
| Preventitivene | NU | 2.6 | D | HQ/ | | 1.1 | 1/30/2017 3:30:43 PM | 29925 | | | |
| Anthracene | NO | 0.5 | D. | 101 | | 1 | 1/20/2017 7:30:43 PM | 20926 | | | |
| Filementiticano | ND | 2.5 | D | ugl | | 1 | 1/30/2017 3:30:43 PM | 29925 | | | |
| Pyinto | HO | 2.5 | D | µg/ | 1.1 | 1 | 1/30/3017 3:30:43 PM | 29925 | | | |
| Benz(a)anthracene | ND | 2.5 | D | PD | | - 1 | 1/30/2017 3:30:43 PM | 29925 | | | |
| Chrysene | ND | 2.5 | D | LIGH | | 1 | 1/30/2017 3:30:43 PM | 29925 | | | |
| Beenado Vivoramineine | 105 | 2.5 | D | - Mgt | 0.11 | 1 | 1/30/2017 3:30:43 PM | 29925 | | | |
| Herszold Thiolenment | NO | 2.5 | .p | 104 | | 1 | 1/30/2017 3:30:43 PM | 29925 | | | |
| Banzo(a)pyranii | ND. | 2.5 | D | i µgi | £ 1. | | 1/30/2017 3:30:43 PM | 29925 | | | |
| Dewez(a,h)anthmane | ND | 2.5 | 0 | - HOI | | | 1/30/2017 3:30.45 PM | | | | |
| Beruota hotery and | ND | .25 | D. | UQ I | 0 | | 1/30/2017 3:38.43 PM | | | | |
| Indenci(1,2,3-od)nymmi | WD. | 25 | 0 | · - uol | L | 1 | 1/30/2017 3:30:43 PM | | | | |
| Surr: N-huzsdeitaite | 30.4 | 15-170 | D | 1 %P | an. | 1 | 1/30/2017 3:30 #3 03 | | | | |
| Surr. Benzio(#)pyrana | B4.3 | 16-108 | 10 | 5 %F | éc. | 1 | 1/00/2017 3:30:43 PM | 26875 | | | |
| EPA METHOD 82608: VOLATILES | | | | | | | Analy | t DJF | | | |
| | ND | 0.50 | | mo | Λ. | 2 | 00 1/27/201/ 9:40:36 PM | | | | |
| Benzene | 0.37 | | | me | | | 00 1/27/2017 9:40:36 PM | | | | |
| Toluene | ND | 0.20 | | m | | 2 | 00 1/27/2017 9:40:36 PM | | | | |
| Ethylbenzene | ND | 0.20 | | m | | | 00 1/27/2017 9:40:36 PM | | | | |
| Methyl tert-butyl ether (MTBE) | ND | | | m | | | 00 1/27/2017 9:40:36 PM | | | | |
| 1.2.4-Trimethykwinzono | ND | | | 170 | | | 100 1/27/2017 9:40:36 PM | | | | |
| 1,3.5-Trimethy benziend | ND | | | 100 | | | 50 1/27/2017 9:40:36 PM | A4034 | | | |
| 1.2-Dichlaradhane (EDC) Refer to the QC Summary report | | | e la | | | iata and | preservation informat | ion. | | | |
| the second se | | | | | - | incore i | to the associated Method Illa | ok. | | | |
| Qualifiers: * Value excents Maximum | | avel. | | F | | | nitation kings | | | | |
| D Sample Diluted Dur to Ma | alexy. | - Internet | | 1 | Analyze | detectors | below quantitation limits pr | and of 12 | | | |
| H Holding times for preparat | | exceeded | | P | | oH Not I | | Rea of 12 | | | |
| ND Not Detected at the Bapar | | | | RI | | | ion Limit | | | | |
| R RPD petaide ascepted rec | | | | | | | temperature is out of limit i | | | | |

| LIKNT: Souder, Miller and Association | | | tient Same | te TD: West BOT | |
|---------------------------------------|-----------|----------|------------|---|--------|
| | | | | Darg: 1/26/2017 7/39/00 AM | |
| Project: Hart Canyon 2 | | | | the second se | |
| (alt ID: 170) B28-002 | Matrix: > | AQUEOUS | Received | Date: 1/27/2017 8/40:00 AM | _ |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD 82808: VOLATILES | | | | Analyst | DJF |
| 1,2-Dibromoethane (EDB) | NIG | 0.20 | mol | 200 1/27/2017 s-40:38 PM | ANUM |
| Naphinalana | 19(2 | 0.40 | | 200 1/27/2017 (F40.36 PM | A40344 |
| 1-Admittys capit disculation | 1412 | 0.69 | mgill | 200 1/27/2017 2-40-36 PM | A40344 |
| 2-Methylnophtheene | NG | 0.60 | | 200 1/27/2017 9:40.36 PM | A40344 |
| Acatoria | NO | 7.0 | mest. | 200 1/27/2017 9:40:36 PM | A40344 |
| Brandeeraons | 40 | 0.20 | mul | 200 1/27/2017 0:40:36 PM | A40344 |
| Bromodichlotomettere | IND | 0.20 | mpiL | 200 1/27/2017 B:40.36 PM | A40344 |
| Examplaim | NO | 0.20 | mas. | 200 1/2/0/017 V:40:36 PM | A40344 |
| Bromores Taken | 140 | 0.60 | mat | 200 1/27/2017 9:40 36 PM | A40344 |
| 2-Bulanonei | NG | 2.0 | mail | 200 1/27/2017 9;40:36 PM | A40344 |
| Carbon disuffide | NO | 2.0 | mg/L | 200 1/27/2017 9:40:36 PM | A40344 |
| Carbon Tetrachloride | ND | 0.20 | mg/L | 200 1/27/2017 9:40:36 PM | A40344 |
| Chlorobergene | 110 | 0.20 | man. | 200 1/27/2017 9:40:35 PM | A4054 |
| Chiarocheno | 140 | 0.40 | man. | 200.1/27/2017 0:40 36 PM | 140344 |
| Chloroform | 140 | 0.20 | mart | 200 1/27/2017 9:40:38 PM | A4034 |
| Chloromethane | ND | 0.60 | mg/L | 200 1/27/2017 9:40:36 PM | A40344 |
| 2-Chlorotoluene | ND | 0.20 | mg/L | 200 1/27/2017 9:40:36 PM | A4034 |
| 4-Cirioratchumu | 140 | 0.20 | mari | 200 1/27/2017 9:40:36 PM | A40344 |
| OB-1.2-DCE | ND | 0.20 | mg/L | 200 1/27/2017 9.40.30 PM | A4034- |
| cis-1,3-Dichloropropene | ND | 0.20 | mgL | 200 1/27/2017 9:40:36 PM | A40344 |
| 1.2-Ditrovio-3-stainmurgann | NO | 0.40 | mut. | 200 1/27/2017-9 4D-MI PM | A4034 |
| Ditaomochicromethane | NO | 0.20 | mail | 200 1/27/2017 0:40:86 PM | A4034 |
| Dibromomethane | ND | 0.20 | mg/L | 200 1/27/2017 9:40:36 PM | A40344 |
| 1.2-Dichlomizenzene | NO | 0.20 | mon. | 200 1/27/2017 9:40 36 PM | A4034 |
| 1.1 Dichloroberome | NO. | 0.20 | mgå. | 200 1/27/2017 8/40:36 PM | A4034 |
| 1,4-Dichlorobergane | ND | 0.20 | mal | 200 1/27/2017 B:40:36 PM | MICH |
| Dichlorodifuoremailwea | NO | 0.90 | mon. | 200 1/27/2017 9.40 36 PM | A4034 |
| 1.1-Dichloroetharm | NO | 0.20 | mpA | 200 1/27/2017 0:40:36 PM | AICON |
| 1.1-Dichloroethemi | NO- | 0.20 | mal | 200 1/27/2017 B:40:36 PM | A4034 |
| 1.2-Dichloropropane | ND | 0.20 | mg/L | 200 1/27/2017 0:40:36 PM | A4034 |
| 1,3-Dichloropropane | ND | 0.20 | mg/L | 200 1/27/2017 9:40:36 PM | A4034 |
| 2.2-Dichloropropane | ND | 0.40 | mg/L | 200 1/27/2017 9:40:36 PM | A4034 |
| 1.1-Dichloropropeno | ND | 0.20 | mg/L | 200 1/27/2017 9-40-36 PM | A4034 |
| Hexachlorobutadiene | ND | 0.20 | mg/L | 200 1/27/2017 9:40:36 PM | A4034 |
| 2-Hexanone | ND | 2.0 | mgL | 200 1/27/2017 9:40:36 PM | A4034 |
| Isopropylbenzene | ND | 0.20 | mal | 200 1/27/2017 9:40:36 PM | A4034 |
| 4-Isopropyliciumie | ND | 0.20 | molL | 200 1/27/2017 9:40:36 PM | A4034 |
| 4-Methyl-2-pentanone | ND | 2.0 | mg/L | 200 1/27/2017 9.40.30 PM | A4034 |
| Methylene Chloride | ND | 0.60 | mg/L | 200 1/27/2017 9:40:36 PM | A4034 |

ary report Quilifiers:

- de un QC stantinuely réport aux charges region of a magne o

Analytical Report

| QC SUMMAR' Hall Environmen | Y REPO | RT is Labora | tory, I | nc. | | | | woi | 02-Fe5-1 |
|--|--------------------------|-----------------|---------|----------------|---------------|-------------------|--------|---------|----------|
| | Miller and An anyon 2 | sociates | | | | | | | |
| Sample (D. rb2 | -Semito 1 VE | INTERNA | | | | arcon; YoL | ATILES | | |
| Clique ID PBW | Batch 4 | D A40344 | | RuhNez | | Sec. 12. | | | |
| Prop Date: | Analysis Del | e 1/27/2017 | | SegNo | 1254955 | Units ug/L | | | |
| Analytic | Result | POL SPK valu | · SPAR | et val MRES | LowLimit | HighLimit | INRPO | RPDLmit | Qual |
| Benzene | ND | 1.0 | | 1.00 | | | | | |
| Toluene | ND | 1.0 | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | |
| Methyl len-butyl ethol (MTBE) | ND | 1.0 | | | | | | | |
| 1,2.4.Trimilybectma | ND | 1.0 | | | | | | | |
| 1.3,5-TrimelilyBenutral | ND | 1.0 | | | | | | | |
| 1.2-Dictriocostikana (EDC) | NG | 1.0 | | | | | | | |
| 12-Ubronouinaria (EOB) | (HD) | 1.0 | | | | | | | |
| Nacioniene | ND | 2.0 | | | | | | | |
| 1-Methylnapritherenk | ND | 4.0 | | | | | | | |
| 2-Methylnaphthalene | ND | 4.0 | | | | | | | |
| Apetone | ND | 10 | | | | | | | |
| Bromobenzene | ND | 1.0 | | | | | | | |
| Bromodichloromethane | ND | 1.0 | | | | | | | |
| Bramoform | ND | 1.0 | | | | | | | |
| Bromomethane | ND | 3.0 | | | | | | | |
| 2-Butanone | ND | 10 | | | | | | | |
| Carbon disulfide | ND | 10 | | | | | | | |
| Carbon Tetrachloride | ND | 1.0 | | | | | | | |
| Chiorobenzene | ND | 1.0 | | | | | | | |
| Chloroethane | ND | | | | | | | | |
| Chloroform | ND ND | 1.0 | | | | | | | |
| Chloromethane | ND | 1.0 | | | | | | | |
| 2-Chlorotoluene | ND | 1.0 | | | | | | | |
| 4-Chlorotoluene | ND | 1.0 | | | | | | | |
| cis-1,2-DCE | ND | 1.0 | | | | | | | |
| cis-1.3-Dichloropropene 1.2-Dibromo-3-chloropropene | ND | 2.0 | | | | | | | |
| 1,2-Dibromo-3-chicropropane Dibromochicromethane | ND | 1.0 | | | | | | | |
| Dibromochioromethane | ND | 1.0 | | | | | | | |
| 1.2-Dichlorobenzene | ND | 1.0 | | | | | | | |
| 1,2-Dichlombenzene | ND | 1.0 | | | | | | | |
| 1.4-Dichlorobenzene | ND | 1.0 | | | | | | | |
| Dichloroddfundomellia ke | - ND | 1.0 | | | | | | | |
| 1,1-Dictionwidhane | ND | 1.0 | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | | | | | | | |
| 1,2-Dichloropropane | ND | 1.0 | | | | | | | |
| 1.3-Dichloropropane | ND | 1.0 | | | | | | | |
| 2,2-Dichloropropane | ND | 2.0 | | | | | | | |
| all and an open parts | | | | | | | | | |
| Qualifiers: | | | | | | | | | |
| Value excessis Maxim | | areal. | в | | | cisked Method B | struk | | |
| 15 Barryle Dilund Durit | Manx | | E | Value shrive o | | | | - | |
| H Holding times for prep | inestion or endlysis | escential - | I | | | stitution family | | Page 7 | of 13 |
| ND Not Detected at the Ra | | | Р | Sample pH N | | | | | |
| R RPD outside accepted | | | RL | Reporting De | tection Limit | re is out of humi | | | |
| 1 To Recovery outside a | | | 92. | | | | | | |

| Hall Environmental Analysis | Laborat | ory. Inc. | | Lab Order 1707828 Date Reported, 2/2/2017 | |
|---|------------|-----------|--------------|--|---------|
| CLIENT: Souder, Miller and Associates Project: Hart Canyon 2 Lat. (Dr. 1701)825-001 | Matrix: J | | Collection I | e 1D: West DGT haie: 1/26/2017 7:33:00 AM Date: 1/27/2017 8:40:00 AM | |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD 52608: VOLATILES | - | | | Analyst | DJF |
| | 400 | 0.60 | mol. | 200 1/27/2017 9-80-36 PM | A40344 |
| n-Buly/bonzone | -ND | 0.20 | mu/L | 200 1/27/2017 9:40:36 PM | A40344 |
| n-Propylbaritane | THE | 0.20 | murt | 200 1/27/2017 9 40 36 PM | A40344 |
| sen-Butytberconne | ND | 0.20 | mpL | 200 1/27/2017 SHID 36 PM | M0344 |
| Gigeneta: | 510 | 0.20 | ngt | 200 1/27/2017 9:40:38 PM | (440364 |
| iert-Butynaeszótte | NO | 0.20 | mat | 200 1/27/2017 9:40 36 PM | A40344 |
| 1,1,1,2-Tetrachorpetnine 1,1,2,2-Tetrachlorpetnine | NO | D.40 | mpiL | 300 1/27/2017 8:40:35 PM | A403H |
| | 0.38 | 0.20 | mal | 200 1/2/72017 9.40.36 PM | A40344 |
| Tetrachloroethene (PCE) | 0.30 ND | 0.20 | mail | 200 1/27/2017 9:40:36 PM | A40344 |
| Inani-1,2-OOC | 440 | 0.20 | molt | 200 1/27/2017 9:40:36 PM | A40344 |
| 1.2.3-Trichlorobertere | NO | 0.20 | mail | 200 1/27/2017 9:40.36 PM | AADM |
| 1,2,4-Trichlorobertzene | NO | 0.20 | mig/L | 200 1/21/2017 B:40:36 PM | A4034 |
| 1,1,1-Trichlorettennin | 140 | 0.20 | mort | 200 1/27/2017 9.40 36 PM | |
| 1.1.2-Trichloroethane | 140 | 02.6 | mail. | 200 1/27/2017 9.40 36 PM | A4034 |
| Trichtoroethene (TCE) | NO | 0.20 | reat. | 200 1/77/2017 9:40:36 PM | |
| Trichlarofuloromethine | NO | 0.20 | malL | 200 1/2//2017 9040:38 PM | A4004 |
| 1.2.3-Trichkropmanie | H4D | 6.40 | mail. | 200 1/27/2017 0:40:30 PM | |
| Viryl chionoe | ND- | 0:20 | mgA | 200 1/27/2017 U.40:35 PM | |
| Rylonen, Total | ND | 0.30 | mg/L | 200 1/27/2017 9-40:36 PM | |
| Car 1.2 Dishlaroations dA | 88.7 | 76-130 | N-Fire | 200 1/27/2017 9:40:36 PM | |
| Eurr 4 Bromotuorobergrene | 82.1 | 76.130 | 16Rec | 200 1/27/2017 9:40:36 PM | |
| Sur: Dibromofucrometherm | 100 | 70-130 | Silten | 200 1/27/2017 9:40:35 PM | |
| Sur Tokeno-di | 87.5 | 70-130 | %Rat: | 200 1/27/2017 10-40.5m PM | A4034 |
| | | | | | |

| Refer to the OC Summary report and a | ample login checklist for flagged QC data and preservation information. | |
|--------------------------------------|---|--|

- au un QQU community factorial de la construction de la constructi

Qualifiers:

Ausiviteal Report

- 10 of regions of them any particular second Method Hitask
 11 Angle An

QC SUMMARY REPORT WOR 1707015 Hall Environmental Analysis Laboratory, Inc. 02-Feb-17

| EPA Medisel 8566B. VOLATILES 40344 1284655 Units: µg/L : LowLonit HepLint 1989D RPDLint Oual |
|---|
| 40344 1264655 Units: µg/L : LowLonit HepLanit 19.RPD RPDLinit Dual |
| 126455 Units: ug/L LowLanit (HepLanit 15RPD RPDLinit Qual |
| LowUmit Heplumit 19895 RPCUmit Ouel |
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| F 70 130 |
| 5 70 130 |
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| EPA Mithod 1250B: VOLATILES |
| 40344 |
| 1264956 Linia pg/L |
| LowLimit HighLimit %RPD RPOLimit Que |
| 0 70 130 |
| 1 70 130 |
| 7 70 130 |
| s 70 2 70 5 70 EPA Mathod 40344 1264956 2 LowLimit 0 70 1 70 |

| | IMARY ironmenta | | | | ory, Inc. | | | | | Wite | 17031828 02-Feb-11 |
|--|---|-------------------------------------|------------|-------------|-----------------------|--------------|----------------------|----------------|--------|----------|-----------------------|
| Client: Project: | Souder, N Hart Can | tiller and yon 2 | Associa | nen | | | | | | | |
| Bangila ID 10 | log los? | -Serrej 1 | yper LD | 10 | Tes | Code: E | PA Method | 0250D; YOL | ATTLES | | |
| Client ID LD | SW | Batc | D: AN | 8344 | 6 | unNo: 4 | 0344 | | | | |
| Prep Date | | Analysis I | ante: 1/ | 27/2017 | E | HIND. 1 | 254956 | Units: µo/L | | | |
| Analylia | | Read | POL | TODY with m | SPK Ref Val | NPEC | LowLimit | HighLimit | ILRPD | RPDLimit | Qual |
| 1-Dichloroettwini | | 20 | 1.0 | 20.00 | aris nel val | 102 | 70 | 130 | 100 | nr ssam | Scott |
| Dictrionaliture (T) | | 19 | 1.0 | 20.00 | | 95.2 | 70 | 130 | | | |
| Sur. 1,2-Dichlor | | 0.8 | | 10.00 | | 88.1 | 70 | 130 | | | |
| Sur: 4-Bromofle | | 8.3 | | 10.00 | | 83.0 | 70 | 130 | | | |
| Sur: Dibromoflu | oromethane | 9.7 | | 10.00 | | 96.6 | 70 | 130 | | | |
| Sur: Toluene-di | 1 | 9.8 | | 10.00 | | 97.6 | 70 | 130 | | | |
| Sample ID 17 | 01b28-001a ms | Swnpi | ype Ms | 5 | Tes | Code B | PA Method | 82608: VOL | ATRES | | |
| Client ID: Ea | TDB ta | Batt | A DI | 0344 | F | lunha 4 | 0344 | | | | |
| Prop Dole | 0.070 | Analysia | | | | icatio, 1 | | Uniter regel | | | |
| Analyss | | Result | POL | | SPK Ref Val | KREC | LiniLini | HighLinit | ALAPD | RPDLim | Quat |
| Bertame | | 4.5 | 0.20 | 4.000 | 0.5447 | 99.3 | 70 | 130 | | | |
| (Auro) | | 6.9 | 0.20 | 4.000 | 1.115 | 04.1 | 70 | 130 | | | |
| Distribution | | 3.7 | 0.20 | 4.000 | - U | 61.9 | 70 | (.90 | | | |
| 1,1 Dicritoperturna | | 4.4 | 0,20 | 4,000 | D. | 102 | 70 | 130 | | | |
| Trichioroethene (T | | 4.0 | 0.20 | 4.000 | o | 101 | 70 | 130 | | | |
| Sur: 1.2-Dichlor | | 2.0 | | 2.000 | | 98.2 | 70 | 130 | | | |
| Son 4-Broneffe | | 1.6 | | 2,000 | | 79.0 | 70 | 130 | | | |
| Sur. Devenally | | 2.0 | | 2,000 | | 98.9 | 70 | 130 | | | |
| Sor. Tolvene d | | 1.9 | | 2.000 | | 97.0 | 70 | 130 | _ | | |
| Sample ID 17 | 01628-001a ms | d Samp | ype M | 6D | Tes | Code E | PA Method | 62688: YOL | ATELES | _ | 1 |
| Client ID: Ea | st BGT | Balo | h ID: A | 0344 | F | tunNo: 4 | 0344 | | | | |
| Prop Dale | | Analysis (| Dala: 1 | 27/2017 | | iecNo 1 | 264964 | Units: mg/L | | | |
| Analyte | | Result | POL | | SPK Rul Val | WRED | LowLimit | HighLimit | %RPD | RPDUmil | Oral . |
| Sections | | - 44 | 0.50 | 4.000 | 0.5447 | 97.0 | 70 | 130 | 2.05 | 30 | |
| Toksene | | 4.9 | 0.20 | 4.000 | 1.115 | 95.0 | 70 | 130 | 0,733 | 20 | |
| Chlorobenzene | | 3.7 | 0.20 | 4.000 | U | 92,4 | 70 | 130 | 0.562 | 20 | |
| 1,1-Dichloroethene | | 3.8 | 0.20 | 4.000 | 0 | 94.1 | 70 | 130 | 8.51 | 20 | |
| Indianation () | | 3.9 | 0.20 | 4.000 | 0 | 97.2 | 70 | 130 | 3,77 | 20 | |
| Surr. 1,2-Dichlor | | 2.0 | | 2.000 | | 30.1 82.8 | 70 | 130 | 0 | 0 | |
| Sur: 4-Bromofil | | 1.7 | | 2.000 | | 82.8 | 70 | 130 | 0 | 0 | |
| Sar Derench | | 1.0 | | | | 99.3 | 70 | 130 | 0 | 0 | |
| wolf: Tokustie-di | | 2.0 | | 2.005 | | 99,3 | 70 | 130 | 0 | 0 | |
| | | | | | | | | | | | |
| | | | | | | | | Sec. 2 | | | |
| Qualifiers: | | (other states) | Level. | | | | | ood Method Bla | and . | | |
| * Value est | enda Maximum C | | | | | | similar range | | | | |
| A Villanesi 11 Sample D | Nieted Duc to Mat | Dir. | | | | | | | | | 444 |
| Value est Sample D Holding t | Niloted Duc to Mat innes für preparati | onic ion ior analys | is exervit | di . | 1 Analysis | detected | intere quantit | | | Page 9 c | f13 |
| Value est Sample D Holding t ND Nos Deter | Nieted Duc to Mat | pix inn isr analys org Lionsi | is coursel | a . | l Analysi F Sample | | ndra quanti Rango | | | Page 9 c | of 13 |

| QC SUMMAR' Hall Environmen | | | | ory. Inc. | | | | | WO | 170183 |
|---|-------------------------------------|-----------|-----------|----------------------|---|----------------|-----------------|---------|------------|--------|
| Illent: Souder | , Miller and anyon 2 | - | - | | | | | | | |
| Smullm ID Inav29925 | Barnot | n= LO | 3 | Test | Gode El | AMethod | 8279C: PAHa | | | |
| Carel ID: LCSW | | ID: 29 | | | unito: Al | | | | | |
| Prep Date: 1/27/2017 | Analysia D | | | | inchio: 12 | | Unite uply | | | |
| | Result | POL | | SPK Ref Val | MREC | LowLinit | HighLivit | 1.RPD | RPDLimit - | Qual |
| Analyte Naphtulera | reesun 14 | 0.50 | 20.00 | DPA Har Val | B/.9 | 37.4 | 120 | ind D | in acany | Senti |
| -Menylocilitatione | 13 | 0.50 | 20.00 | a | 64.5 | 39.3 | 421 | | | |
| | 13 | 0.50 | 20.00 | 0 | 65.2 | 37.8 | 122 | | | |
| Mathyl add Bakine | 13 | 0.50 | 20.00 | 0 | 73.9 | 37.0 | 124 | | | |
| Acenaphmytene | 15 | 0.50 | 20.00 | 0 | 72.9 | 35.6 | 123 | | | |
| Acanaphithene | 15 | 0.50 | 20.00 | 0 | 17.0 | 35.0 | 123 | | | |
| Fluckmenel | | 0.50 | 20,00 | 0 | 73.0 | 38.8 | 125 | | | |
| Themenitivens | 15 | | | 0 | 72.0 | 38.8 | 125 | | | |
| Anthracene | 14 | 0.50 | 20.00 | 0 | 72.0 | 37.5 | 125 | | | |
| Fluoranthene | 14 | 0.50 | 20.00 | 0 | 73.1 | 27.5 | 131 | | | |
| Pyrene | | | 20.00 | 0 | 73.1 | 25.4 | 140 | | | |
| Benziajentroscene | 15 | 0.50 | | 0 | 74.7 | 23.4 | 141 | | | |
| DinyWine | 15 | 0,50 | 20.00 | D | | 31 | 155 | | | |
| Benacib) Ruorantzierre | 15 | 0.50 | 30.00 | 0 | 75.4 | 38 | 154 | | | |
| Benzo(k)fluoranthene | 14 | 0.50 | 20.00 | | | | 154 | | | |
| Benzo(a)pyrono | 14 | 0.50 | 20.00 | 0 | 72.3 | 38.6 | 153 | | | |
| Dibenz(a,h)anthracene | 15 | 0.50 | 20.00 | 0 | 77.4 | 39.7 | | | | |
| Benzorg A (purylauk | -14 | 0.50 | 20,00 | 0 | 72.5 | 39,6 | 154 | | | |
| indenc(1,2,3-c0)pyrene | 15 | 0.50 | 20.00 | ū | 73.6 | 19.1 | 153 | | | |
| Surr: N-hexadecane | 65 | | 87.60 | | 73.8 | 15 | 176 | | | |
| Sur: Benzo(e)pyrene | 14 | - | 20.00 | - ALL ROBORT | 21.4 | 150 | 196 | | | |
| Sample ID lead-29025 | Samp | Type: LO | :50 | Tel | | PA Method | 8276C: PAH | | | |
| Clerin ID LCS507 | (Seek) | i 10. 25 | 923 | | inter 4 | 1003 | | | | |
| Prep Dela: 3/27/2917 | Analysia I | Me 1 | 130/2017 | | 500740 3 | 265827 | Units jug/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | INREC | LowLimit | HighLimt | %RPD | RPDUmit | Quel |
| Napresidente | 12 | 0.50 | 20.00 | 0 | 61.5 | 37.A | 120 | 9.69 | 20 | |
| i-Metryinaprimaterie | 13 | 0.50 | 20,00 | 0 | 63.9 | 39.3 | 121 | 0,935 | 28.8 | |
| 2-Methylnaphthalene | 12 | 0.50 | 20.00 | 0 | 61.6 | 37.8 | 122 | 5.68 | 23.8 | |
| Nenaphitymme | 73 | 0,50 | 20.00 | | 65.0 | 37 | 124 | 11.3 | 28.0 | |
| homophiltene | - 14 | 0.50 | 26.00 | ò | 68.6 | 35.8 | 123 | 8.08 | 27 | |
| Fluorene | 15 | 0.50 | 20.00 | 0 | 72.6 | 35.2 | 122 | 5.88 | 25.7 | |
| Phonanthrene | 15 | 0.50 | 20.00 | 0 | 73.2 | 38.8 | 122 | 0.274 | 20 | |
| Anthracene | 15 | 0.50 | 20.00 | 0 | 75.5 | 37.5 | 125 | 4,75 | 21.2 | |
| Fluoranthene | 15 | 0.50 | 20.00 | 0 | 73.4 | 37.4 | 131 | 3.04 | 21.8 | |
| Pyrene | 15 | 0.50 | 20.00 | 0 | 77.4 | 27.5 | 140 | 5.71 | 31.1 | |
| Benzia)anthracene | 16 | 0.50 | 20.00 | 0 | 78.0 | 25.4 | 141 | 0.772 | 26.6 | |
| Chrysene | 15 | 0.50 | | 0 | 73.8 | 33.6 | 155 | 1.16 | 21.2 | |
| Beruujk)/fuoranthere | 15 | 0.50 | 20.00 | 0 | 73.3 | 30 | 153 | 2.82 | 20 | |
| | | | | | _ | | | | | |
| Qualifiers: | | | | | | | Sec. 2 | | | |
| | | Lovel. | | | | | and Minimal Pil | and the | | |
| Value excends Maximu | | | | E Value: | above quas | atitation carg | | | | |
| Value seconds Mastern D Sample Delated Duc to | | | | | | | | | | |
| Value excends Maximu D. Sample Delated One to H. Holding times for prepared | antion or analys | is etanti | - ba | I Analys | | | tating limms | | Page 10 | of 13 |
| Value excends Maximu D. Sample Detailed Onc to: | anation or unallys porting Linus | in etansi | bà | I Analys 7 Sample | e descered a pHI Not h ing Detect | n Range | balloo Brons | | Page 10 | of 13 |

| Hall Environmen | | _ | | | | | | | | |
|---|---|-------------|--------------------|-------------------------------------|-----------------------|---|------------------|--------------|----------------|-------|
| | a, Miller and | Associa | ates | | | | | | | |
| Project: Hart (| Canyon 2 | | | | | | | | | |
| Campie (C (cad-C1925 | Gempi | ne Lo | ab | Tes | (Code: E | AMellicul | B270C PAH | 2 | | |
| Clinit ID: LCSS82 | Diate | 10 29 | 825 | | Linkia d | 1900 | | | | |
| Prep Date: 1/27/2017 | Analysis D | lato: 1 | /30/2017 | | SegNo: 1 | 265827 | Units: µg/L | | | |
| | | | | | | | | | | |
| Analyte Seruth Microsoftene | Result 14 | PQL 0.50 | SPK value 20.00 | SPK Ref Val | %REC | LowLimit 38 | HighLimit 154 | %RPD 2.47 | RPDLimit 21 | Qual |
| Batrockippene | 14 | 0.50 | 20.00 | 0 | 71.7 | 38.6 | 153 | 0.792 | 24.8 | |
| Dibenz(a,h)anthracene | 15 | 0.50 | 20.00 | 0 | 75.0 | 39.7 | 155 | 3.15 | 26 | |
| Benzo(g.h.)perylene | 14 | 0.50 | 20.00 | 0 | 70.6 | 39.6 | 154 | 2.00 | 20 | |
| indeno(1,2,3-cd)pyrene | 15 | 0.50 | 20.00 | 0 | 74.2 | 19.1 | 153 | 0.812 | 20 | |
| Sur: N-hexadecane | 58 | | 87.60 | - | 66.1 | 15 | 176 | 0 | 0 | |
| Sur: Benzo(s)pyrene | 15 | | 20,00 | | 73.4 | 15 | 188 | 0 | 0 | |
| Security 10 mill-29825 | Servel | ype M | BLN | Tes | icade e | A Mathod | B278G: PAN | | | |
| Client ID: PBW | K. | 10 29 | | | anko 4 | | 1.011.0010 | | | |
| Prep Date: 1/27/2017 | Analysis E | | | | SegNo: 1 | | Units: µg/L | | | |
| Analyte | Result | POL | | SPK Ref Val | | | HighLimit | %RPD | RPDLimit | Qual |
| Naphthaliene | ND | 0.50 | | OF IN THE VAL | AIGLO | CONCILIE | righting | ANY D | To Dunn | 400 |
| L-Mirhylinachthalama | ND | 0.50 | | | | | | | | |
| 5-Melhylmapinhalenis | ND | 0.50 | | | | | | | | |
| Acenaphitylene | ND | 0.50 | | | | | | | | |
| Acenaphthene | ND | 0.50 | | | | | | | | |
| Fluorene | ND | 0.50 | | | | | | | | |
| Phonenthrone | ND | 0.50 | | | | | | | | |
| Anthracene | ND | 0.50 | | | | | | | | |
| Fluoranthene | ND | 0.50 | | | | | | | | |
| Pyrona | ND | 0.50 | | | | | | | | |
| Benz(a)anthracene | ND | 0.50 | | | | | | | | |
| Chrysenu | ND | 0.50 | | | | | | | | |
| Sarms(b) was | ND | 0.50 | | | | | | | | |
| Benzo(k)fluoranthene | ND | 0.50 | | | | | | | | |
| Benzo(a)pyrene | ND | 0.50 | | | | | | | | |
| Dibenz(a,h)anthracene | ND | 0.50 | | | | | | | | |
| Benzo(g.h.i)perylene | ND | 0.50 | | | | | | | | |
| Indeno(1,2,3-od)pyrene | ND | 0.60 | | | | | | | | |
| Surr: N-hexadecane | 68 | | 87.60 | | 77.6 | 15 | 176 | | | |
| | 16 | | 20.00 | | 80.6 | 15 | 198 | | | |
| | | | | | | | | | | |
| Surr: Benzo(e)pyrene | | | | | | | | | | |
| Qualifiers: * Value exceeds Maximu | | Level. | | | | | ated Method Bla | ak | | |
| Qualifiers: * Value exceeds Maximu D Samole Dilated Due to | Matrix | | al | E Value a | hove quan | titation range | e | nk | Pres 11 o | (13 |
| Qualifiers: * Value exceeds Maximu D Samole Dilated Due to | Matrix amilion or analysi | | al | E Value a J Analyte | hove quan delected | titation range clow quante | e | ak | Page 1) o | (13 |
| Qualifiers: * Value exceeds Maximu D Samole Diluted Date to II Ifolding turnes for prop- | Matrix antiion or analysi porting Limit | | al | E Value a J Assulyte P Sample | hove quan | titation range elow quantie Kange | e | ek | Page 1) o | rus - |

| ID PRW Bailch ID: 2598/2 Hur Date: 1/30/2017 Analysis Date: 1/30/2017 Sec ylei Heautit PQL <spk td="" value<=""> SPK value SPK Ref Val Sec ylei No.00020 No.00020 No.00020 TestC TestC pN ID LCS-2994/2 Berrsp.Type: LC5 TestC TestC tDL LCS-2914/2 Berrsp.Type: LC5 TestC TestC tDL LCSW Berrsp.Type: LC5 TestC TestC<th>Ar EPA Muthod 17170; Minnany 60: 40380 40: 1266211 Units: UpU REC LowLimit HighLamit 'NRPD RPDLimit Qual 25: EPA Mathod 7470; Mencury 40: 4399 46: 1266213 Units: UpU 46: 1266213 Units: UpU 46: 1260 100 100 100 100 100 100 100 100 100 1</th><th>Citent: Souday, Project: Hart Car Barrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Control MB-29331 Citent ID LCR-42931 Control Darrye ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931</th><th>SempTrps://LCB TraitCasic EPA 69169; Tek Batch (D: 29931 Fluwfer: 40375 Sarght: 526821 IX Romet: Date: 12362717 Sarght: 526821 IX Romet: 26020 5900 945.2 80 0.46 0.020 5900 945.2 80 0.47 0.020 0.5900 934.4 80 0.47 0.020 0.5900 934.8 80 0.47 0.020 0.5900 934.8 80 0.47 0.050 0.5900 934.8 80 0.46 0.050 0.5900 934.8 80 0.46 0.050 0.5900 934.8 80 0.46 0.050 19351 RumMin: 40275 30 SampTrpm: 1498217 SampLin: 1568243 0 Resold POL 5590 statue 556 Rol Val 8REC 104118 ND 0.020 ND 0.020 ND 0.020 ND 0.020 N</th><th>siti: mg/L tgg/Linm %LRPD RPDLimit Qual 120 120 120 120 120 120 120 120</th></spk> | Ar EPA Muthod 17170; Minnany 60: 40380 40: 1266211 Units: UpU REC LowLimit HighLamit 'NRPD RPDLimit Qual 25: EPA Mathod 7470; Mencury 40: 4399 46: 1266213 Units: UpU 46: 1266213 Units: UpU 46: 1260 100 100 100 100 100 100 100 100 100 1 | Citent: Souday, Project: Hart Car Barrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Darrye ID LCR-42931 Control MB-29331 Citent ID LCR-42931 Control Darrye ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931 Citent ID LCR-42931 | SempTrps://LCB TraitCasic EPA 69169; Tek Batch (D: 29931 Fluwfer: 40375 Sarght: 526821 IX Romet: Date: 12362717 Sarght: 526821 IX Romet: 26020 5900 945.2 80 0.46 0.020 5900 945.2 80 0.47 0.020 0.5900 934.4 80 0.47 0.020 0.5900 934.8 80 0.47 0.020 0.5900 934.8 80 0.47 0.050 0.5900 934.8 80 0.46 0.050 0.5900 934.8 80 0.46 0.050 0.5900 934.8 80 0.46 0.050 19351 RumMin: 40275 30 SampTrpm: 1498217 SampLin: 1568243 0 Resold POL 5590 statue 556 Rol Val 8REC 104118 ND 0.020 ND 0.020 ND 0.020 ND 0.020 N | siti: mg/L tgg/Linm %LRPD RPDLimit Qual 120 120 120 120 120 120 120 120 |
|---|---|--|--|---|
| Instruction MBLX Tenuicity mil ID PBW Bailch ID 29642 Flair p Date: 130/2017 Analysis Date: 130/2017 Sec pble: Result POL SPK waxe SPK Ref Val Sec pble: No 0.00200 No 0.00200 Tenuicity mple: D.LCS-20942 Bernp Type: LCS Tenuicity Tenuicity pble: D.LCS-20942 Bernp Type: LCS Tenuicity Tenuicity pble: D.LCS-20942 Bernp Type: LCS Tenuicity Tenuicity pble: D.Sec: 1.976/2017 Analysis Date: Tenuicity Tenuicity pble: | Ki: 40380 Ki: 1266211 Uniti: ug/L REC LowLimit: HighLanit 'SIRPD RPDLimit Dual die EPA Matikod 7470: Mercuny Ki: 4086212 Hot 1266212 Uniti: ug/L Ki: 4020 PPDLimit: Dual | Client ID: LCBW Prep Date: 1/27/2017 Availyte Barkam Cambries Comman Selerkon Selerkon Selerkon Selerkon Selerkon Selerkon Selerkon Selerkon Selerkon Selerkon Selerkon Selerkon Cathaan Cathaan Cathaan Cathaan Selerkon S | Batch (D. 2993) Pluritie: 40375 Anneyeis Date: 1332297 Seq3e: 1258297 Seq3e: 1258297 Read:: PCE SRK value: SFK Pid Val: VLREC: Lock:min H 0.47 0.020 0.5000 94.2 e0 0.48 0.020 0.5000 95.4 80 0.47 0.020 0.5000 95.4 80 0.47 0.020 0.5000 95.2 80 0.47 0.020 0.5000 95.2 80 0.47 0.020 0.5000 95.2 80 0.46 0.050 0.000 95.2 80 0.46 0.050 0.000 95.3 80 0.46 0.050 0.000 95.3 80 0.46 0.050 0.000 95.3 80 0.066 0.0000 95.3 80 90 SampType: MBLK TestCode EPA 40101: Fe4 90 ND 0.020 ND 0.020 ND < | siti: mgit. tggitime SizPD RPDLimit Oual 120 120 120 120 120 120 120 120 |
| mpa KD LCS-25942 Barmp/Yyor LCS Team mm ID LCSW เรณะการวิวช9442 Run อ Claix 1/280/2817 ลิ่งเข มหู่เล Revus PCC SPR เหม่อ SPR Ref Vol 1 | va 48399 He 1266252 Unitis ugil. REE LouLinit Harlunt NJRPD PPDUmit Qual | Ratam Earning Comman Selanium Sime Sample D. MB-29831 Client (D. PBW Preschafter : 1/27/2017 Ansityte Barium Caterium Selarium Caterium Selarium Selarium Selarium Selarium Caterium Selarium Selarium Caterium Selarium Selarium Caterium Selarium Selarium Selarium Caterium Selarium Se | 0.48 0.020 0.5000 0 95.4 80 0.47 0.020 0.5000 0 95.4 80 0.47 0.0201 0.5000 0 95.3 80 0.46 0.0500 0 95.3 80 0.46 0.0500 0 95.8 80 0.468 0.0500 0 92.8 80 0.0466 0.0500 0 92.8 80 Analysis TestCode EPA 40108: Fot Batch 10: 2931 TestPA 40108: Fot Analysis 1092251 TestPA 10144: 40275 Mol ND 0.020 ND 0.050 ND ND 0.020 ND 0.050 ND ND 0.050 TestPA 60108: Fot Fot SampType: LC5 TestPA 60108: Test SampType: LC5 TestPA 60108: Test Batch 1D: 29291 RunNo: 40375 Analysis Date: 12902217 SeqNo: 1285455 U <tr< th=""><th>120 120 120 120 120 120 120 120</th></tr<> | 120 120 120 120 120 120 120 120 |
| | | Client ID: PBW Press Date: 1,27/2017 Avanyse Barum Catham Catham Catham Sterrum Sterrum Sterrum Sterr Sterrum Client ID: LCB-29031 Client ID: LCB-29031 Client ID: LCB-29031 Client ID: LCB-29031 Client ID: LCB-29031 Client ID: LCB-29031 Client ID: LCB-29031 | Batch ID: 2931 FluerMin: 40275 Analyses Date: 1790X577 Samphin: 1580X577 Userphin: 1290X567 Userphin: 1290X577 | utte mgét. Sight Inte 19.8PD RPOLimit: Dual La Rinsuverable Mélais Ints: mgft. |
| | | Sample ID. LCB-29631 Client ID: LCSW Prep Date: 1/27/2017 Analyte Lee/ | SampType: LCS TimUCrace EPA 80108: Tore Balch ID: 29931 RunNo: 40375 Analysis Date: 130/2017 SeqNo: 1255655 U Result POL SPIN Maile: SPIN Maile: SPIN Maile: SPIN Maile: LowAmile: I | inits: mg/L |
| | | Semple ID MIB-29901 | | HighLimit %RPD RPDLimit Daal |
| | | Cileni ID: PBW Prep Date: 1/27/2017 Anniyth | SampType MBLK Transloalu: EPA 60168; Tot Balex ID: 29234 RunNo: 40376 Analysis Date: 1/30/2017 SeqNo: 1255556 Result PQL: SPK value: SPK Ref Val: IREC: LowLimit. // | Jnits: mg/L |
| > Not Detected at the Keporting Limit P Sample pl RPD outside accepted recovery limits RL Reporting | tered brow quantization limit: Page 12 of 13 (vo. In Range Detection Limit, nation: temperature is out of limit as specified | H Holding turnes für prega- ND Not Dencested as the Rep- R RPD outside accepted re S % Recovery outside of n | orting Linm. P Sample pil Not in Range | out of limit as specified |
| Allean Standard Stand | NRI Handra Miter managemental Coar International Co | HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenviormentel.con kine NE. Altonomentel.con Microle Tex.col.2014.010 | | Live Repeat TCUP do at TCUP Livelts Enterprise or Ton Loved |
| 2. Is Chain of Oustody completel? 3. How was the sample delivered? | res i 1 140 i Hecht Present M es M He Her Present | SOS - | (yino se) H9T + 38TM + X3T6 (ORM / ORO / ORO) 85/08 H9T (1.87b bo()9M) H9T (1.402 borlaM) 903 (1.402 borlaM) 903 | Remarks |
| Log In | teer with the California Lat | | (1208) 9.841 # 81.04 + X31.8 | H Sugar |
| 4. Was an attempt made to cool the samples? | es M No EL NA L'I | | 128 | The Two |
| Were all samples received at a temperature of >0° C to 6.0°C | | | | |
| 4. Ware an attempt made to cool the samples? 5. Ware all samples received at a temperature of >0° C to 6.0°C 6. Ecomple(s) in proper container(s)? | 'es 🕅 Νυ [.] | 0 | | Date T |
| Wate an interrot made to cool the samples? Were all samples received at a temperature of >0° C to 6.0°C Soften all samples received at a temperature of >0° C to 6.0°C Soften all samples received at a temperature of >0° C to 6.0°C Soften all samples received at a temperature of >0° C to 6.0°C Soften all samples received at a temperature of >0° C to 6.0°C | | HSAP * 2 | No 1842 | tion two they want |

No [1]

No 🖌

No L

Via: [eMail [Phone [Fax] In Person

NA MI

No VOA Viate

No Se Sof preserved ten Control to other No Control No Checked by: R

Yes M

Ves W.

Yes M Yes M

Tes I.I.

Date |

.....

1S Center Information <u>Conter No.</u> Temp 10 Coverision Septi marct @out No. Blues Date By 1 1.8 Good Yes

10, VOA wale have zero headspace?

Special Handling (If applicable)

Person Notified:

By Whom: Regarding: Client Instructions:

17. Additional remarks

Page 1 of 1

11. Were any sample containers received broken?

12 Does purposed match bottle labels? (Note discrepencies on chain of outlody) (3, ner matrices correctly standards) (4, li il claimt while answers ware requested? 15. Viewe all holding times able to be met? ((fr no, notify outloamer for authorization.)

16. Was client notified of all discrepancies with this order?

Sampler Roudy Wartson On bor Series II No Sample Tromperation L.9 - OF - P the state 01.1 XRush ASI HART CANYON " Project Marrager Ashieles Maxicell Town Lenves (Mutuber Preservative Vendes Vanue Tum-Nound Time: & Standard Project Name: YARIOLS Container Type and # (beion as C Level 4 (Full Velidation) Sample Reguest ID Chain-of-Custody Record Ciert tall EAST ISGT West EGT C Olher HzO Mality Ngi 15E:1E C Package Time underd ditation ELAP (Lype) E

E

199 Muster Deb

-

Т

| Distnics J 1625 N. Frankly Dr., Huldon, HM (DDAG) | State of New Mexico | Furm C-138 |
|--|---|---|
| Diaries II 1301 W. Grand Avinus, Anessa, NM 88210 | Energy Minerals and Natural Resources | fileward (8501/) 1 |
| Distruct III 6000 ILio Branis Road, Aztec, NM \$7410 | Oil Conservation Division | "Surface Waste Management Facility Operator- and Generator shall mantain and make this |
| DIMPHERY | 1220 South St. Francis Dr. Santa Fe, NM 87505 | documentation available for Division impertion. |
| 2015 St. Etuscul Dr., Sanda Fo, NM \$7505 | and the second | SOL ID MUSTE |
| Generator Name and Address: | FOR APPROVAL TO ACCEPT | SOLID WASTE |
| interprise Field Services, LLC, 614 Rei | illy Ave, Farmington NM 87401 | |
| 2. Originating Site: MAPL Huerfuno Pumping Station | | |
| Location of Material (Street Address UL L Section 21 Township 26 North R | s, City, State or ULSTR): Range 10 West; 36:471831, -107.900114 | |
| Description: Non Exempt/Non-Mipardons | WasteWater Tanks and from the compressor skid Water from the compressor skids. wn Volume (to be entered by the operator at the on | |
| 5. GENERA | TOR CERTIFICATION STATEMENT OF WA | ASTE STATUS |
| Generator Signature certify that according to the Resource Con- | or authorized agent for Enterprise Products Operat servation and Recovery Act (RCRA) and the US E | invironmental Protection Agency's July 1988 |
| RCRA Exempt: Oil field wastes | ibed waste is: (Check the appropriate classification generated from oil and gas exploration and produc | tion operations and are not mixed with non- |
| RCRA Non-Exempt: Oil field we characteristics established in RCRA n | c: Waste Accessmence Proquency [] Monthly [] aste which is non-incardous that does not exceed a regulations, 40 CFR 261.21-261.24, or listed bacars g documentation is attached to demonstrate the above | he minimum standards for waste humrdous by does waste as defined in 40 CFR, pay 261, |
| | rdous Waste Analysis 60 Process Knowledge | Coher (Provide description in Son 4) |
| | WASTE TESTING CERTIFICATION STATE | |
| GENERATOR 19.15.36.15 V | WASTE TESTING CERTIFICATION STATE | MENT FOR LAUTOFARMS |
| I, Thomas Long , representativ | e for Enterprise Products Operating authorize to o | arma feate |
| Generator Signature the required testing/sign the Generator Wa | | anjaw. |
| | 5.5.5 S. 5.5.5 | |
| have been found to conform to the specific of the representative samples are attached 19.15.36 NMAC. | stive for <u>Agua Moss, LLC</u> at have been subjected to the paint filter test and to o requirements applicable to landfarms pursuant to to demonstriate the above-described waste conform | Section 15 of 19.15.36 NMAC. The results |
| 5. Transporter: To Be Determined | | |
| OCD Permitted Surface Waste Manag | gement Facility | |
| Name and Facility Permit #: *Ague Mo Address of Facility: 5W/4 NW/4 Section | ns, LLC - Permis #: NM-01-009 n 2, Township 29N, Range Crouch Ment, NM | |
| Method of Treatment and/or Disposal: | jection 🔲 Trenting Plant 📋 Landform | LandSII II Other |
| Waster Acceptance Status: | APPROVED DENIE | D (Must Be Maintained As Permanent Record |
| PRINT NAME Advicen the | TELEPHONE NO. | (SOS) 5346186 |
| | | |
| autore many many many | | |

| CLIENT: Souder, Miller and Associates Project: Humfano Station Lab ID: (702072-00) | | Larmán | | Colloction | Date: 2/ | ICT/IND BOT | |
|--|-----------------|-------------|----------|-------------|-------------|--|-----------|
| Analyses | Result | AQUEOU | | Received. | | Date Analyzed | Batch |
| | Kesutt | inte | Que | ting. | | | |
| EPA METHOD 7470: MERCURY | 100 | | | | | Analyst | |
| Mercury | 940 | 0.00020 | | mgit | . 1 | 2/2/2017 6:40 31 PM | 30033 |
| EPA 6010B: TOTAL RECOVERABLE ME | TALS | | | | | Analyst | : pmf |
| Arseric | NO | -5.6 | £ | mg/L | × . | 2/6/2017 11:55:58 AM | 30031 |
| Balan | ND | 100 | | mg/L | 1.3 | 2/6/2017 11:55:58 AM | 30031 |
| Cadmiun | ND | 1.0 | | mort | 1 | 2/6/2017 11:55:58 AM | 30031 |
| Ovomism | ND | 5.0 | | mg/L | 1 | 2/6/2017 11:55:58 AM | 20024 |
| Lowert | ND | 5.0 | | mgL | - T | 2/6/2017 11:55:58 AM | 20031 |
| Selection | ND | 1.0 | | mg/L | | 2/6/2017 11:55:58 AM | 30031 |
| Silver | 10 | 86 | | man | | 2/6/2017 11 55 58 AM | 30031 |
| EPA METHOD 8270C: PAHS | | | | | | Analyse | JDC |
| Naphthalene | ND | 2.5 | D | µg/L | 1 | 2/3/2017 12:17:25 PM | 30020 |
| 1-Moltydraritikuikme | ND | 2.5 | | NOL | | 2/5/2017 12 17:25 PM | 30020 |
| 2-Mathylingphilamou | MD | 2.5 | | upt | 1.0 | 2/3/2017 12:17:25 PM | 30026 |
| Approximity | ND | 2.5 | | No/L | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Acanach/Dana | ND. | 25 | | NOL | 1 | 2/3/2017 12:17:25 PM | 30030 |
| Flamman | MD | 23 | | Upt. | 1.1 | 2/3/2017 12:17:25 PM | DANE 20 |
| Programiugan | ND | 2.8 | | ugh | | 2/3/2017 12:17:25 PM | 30020 |
| Avenue | ND | 2.5 | | ug/L | - 1 | 2/3/2017 12.17.25 PM | 30020 |
| Fluoranthene | ND | 2.5 | | µg/L | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Pyrena | ND | 23 | | HO/L | | 2/5/2017 12:17:25 PM | 30020 |
| Burnz (a)animauumo | ND | 2.8 | | ugit | | 2/3/2017 12:17:25 PM | 10010 |
| Chrysene | ND | 2.5 | | ugit | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Benzo(b)fluoranthene | ND | 25 | | ugit | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Benzo(k)fluoranthene | ND | 25 | | ugi | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Bencotalciviano | ND | 2.5 | 0 | Jou | | 2/3/2017 12:17:25 PM | 30020 |
| Dibenz(a,h)anthracene | ND | 2.5 | D | UDL | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Benzo(g,h,i)perylene | ND | 2.5 | | µg/L | 1 | 2/3/2017 12:17:25 PM | 30020 |
| 10:00:00(1, 2, 3-cs))pyrmina | ND | 2.5 | | ug1 | | 2/5/2017 12:17:25 PM | 30020 |
| Gurr. N hoxadocano | 75.6 | 15-170 | | 79760 | + | 2/5/2017 12:17:25 PM | 30026 |
| Surr: Benzo(e)pyrene | 74.3 | 15-198 | | %Rec | 1 | 2/3/2017 12:17:25 PM | 30020 |
| EPA METHOD 8260B: VOLATILES | | | - | | | Analysid | DIE |
| | | | | | | | |
| Benzine | ND | 0.50 | | wBr | | 0 2/3/2017 5 43 02 PM | W4050 |
| Toluane | 0.23 | 0.20 | | mg1. | | 0 2/3/2017 8:43 02 PM | 1/4050 |
| Eltryburgere | ND | 0.2(| | mar | | 0 2/3/2017 6 43:02 PM | W4050 |
| Mothyl tarf-barlyt all rar (MTBE) | ND | 0.2 | | mgit | | 0 2/3/2017 6 43:02 PM | W4050 |
| 1,2,4-T(melloybenzere | NQ | 0.20 | | mgA. | | 0 2/3/2017 6,43:02 PM | W4050 |
| 1,3,5 Trimethylbenzene | ND. | 0.20 | | mgð, | | 0 2/3/2017 8:43:02 PM 0 2/3/2017 6:42:02 PM | W4050 |
| 1.2 Ochlorestane (EOC) | | 0.20 | | Jam | | | |
| Refer to the QC Summary report an | d sample to | gin checkli | id for I | tagged QC d | tata and p | preservation informatio | ei i |
| Onalifiers: * Value exceeds Maximum Co | | el. | | | | the associated Mothod Blan | c |
| D Sample Diluted Due to Mairy | | | | | | tation range | |
| H Holding times for preparation | | record | | | | low quantitation limits Pa | ge 1 of 0 |
| ND Not Detected at the Reporting | | | | | H Not In F | | 2.5.0 |
| R RPO omside accepted recover | | | | | g Detection | | - |
| 5 % Recovery outside of range | due to dilution | or matrix | | W Sample a | condinet te | inperature is out of huit as a | pected |
| | | | | | | | |
| | | | | | | | |

Analytical Report Lab Order 1702072

| Hall Environmental Analysis | Laborat | ory, Inc. | | Analytical Report Lab Order 1702072 Data Reported | |
|--|---------|-----------|------------|--|---------|
| LIENT: Souder, Miller and Associates Project: Huerbano Station. ab 1D: 1702072-001 | Mairis: | | Collection | te III: Hurr(ann HGT Date: 2/1/2017 (150:00 PM Date: 2/2/2017 8/00/00 AM | |
| Analyses | Result | PQL. Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD 6260B: VOLATILES | | | - | Anatyst | DJF |
| 1.2 Disranosthane (EDB) | ND | 0.20 | innñ. | 201 2/2/2017 64512 PM | W4050 |
| Napittalene | ND | 0.40 | mpt | 200 2/3/2017 6:43:02 PM | W40507 |
| 1-Methylinapritratene | ND | 0.80 | mg/L | 200 2/3/2017 6.43.02 PM | W40507 |
| 2-Methylnaphthalene | ND | 0.80 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Acelone | ND | 2.0 | mg/L | 200 2/3/2017 6:43:02 PM 200 2/3/2017 6:43:02 PM | W4050 |
| Bromohonzy | 10.00 | 0.20 | | | |
| | NO | | mg/L | 200 2/3/2017 6:43.02 PM | WHOOD |
| Bramudictionmetriano | ND | 0.20 | mart | 200 2/3/2017 6:43:02 PM | WA0507 |
| Brandform | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | WA0507 |
| Brondmathane 8-Butanone | ND | 0.00 | mg/L | 200 2/3/2017 6:43:02 PM | WADGO |
| | ND | 2.0 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Carbon disunce | ND | 2.0 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Carbon Tetrachloride | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Chieralitenziene: | ND | 0.20 | mg/L. | 200 2/3/2017 6:43:02 PM | W4050 |
| Chieroethune | ND | 0.40 | mg/L | 208 2/3/2017 6.43.02 PM | W40507 |
| Chloroform | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Chlorpmensenc | NO. | 0.60 | mp/L | 200.2/3/2017 6:43:02 PM | W40507 |
| 2-Chiceologuene | NO | 0.20 | mp/i | 300 3/3/2017 6.43.02 PM | W40503 |
| 4-Chiorotolu | ND | 0,20 | mg/L | 200-2/3/2017 0:43:02 PM | W40507 |
| cis-1,2-DCE | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| cis-1,3-Dichloropropene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| 1,2-Dibromo-3-chiloropropane | NO | 0,40 | mg/L | 200 2/3/2017 5:43:02 PM | W40003 |
| Dibromochloromothane | ND | 0.20 | ing/L | 200 2/3/2017 6.45.02 PM | Wr40507 |
| Dibromomethane | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| 1,2-Dichtorobenzene | ND | 0,20 | mg/L | 200 2/3/2017 6:43:02 PM | W40003 |
| 1.5-Diddominanzana | +00 | 0.26 | mg/t | 200.3/3/2017 643-02 PM | -W40800 |
| 1,4-Dictriginationalization | ND | 0.20 | mp/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Dichlorodittuoronalthiwwe | NO. | 0.20 | mg/L | 200 2/3/2017 0/4/202 PM | VY40607 |
| 1,1-Diddonaltorul | ND | 0.20 | ump/L | 200 2/3/2017 8/4//02 PM | W48863 |
| 1,1+Dichlorowiltwire | NEX | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40503 |
| 1,2-Dichloroproplane | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| 1,3-Dichloropropane | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| 2,2-Dishloropingane | NO | 0.40 | Agm | 200 2/3/2017 8/43/02 PM | W40503 |
| 1,1-Girbingurgana | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Hissishickbuckdienvi | NO | 0.20 | mg/L | 200 2/3/2017 8:43:02 PM | W40507 |
| 2-Hexanone | ND | 2.0 | mg/L | 200 2/3/2017 6:43:02 PM | W40507 |
| Isopropylbenzene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 |
| A-Iwopropylicitaerra | NET | 0.20 | mpil | 200 2/3/2017 8:43:02 PM | W40507 |
| 4-bhidteyl-2-per-manage | ND | 2.0 | Term | 200 2/3/2017 6.43.02 PM | W40507 |
| Mathylenn Chlorida | 7463 | 0.60 | mart | 200 2/3/2017 0.43/02 PM | W40501 |

* Value exceeds Maximum Contaminant Loud

Vulne encode Marinum Contaminant Load
 Sample Distance Date on Marris
 Molding terms for proparation or maliyus accounted
 Min Tancenal as the Reporting Lonal
 RePty condition compared removery limits
 5 % Recovery consider of range date and dilation or status

Qualifiers:

Analyse Advected in the associated Method Black
 E. Value downer quantization range
 Anniye Advected below quantizations thema: Page 2 of 0
 P. Sample control below quantization
 R. Reporting Denoisin Linei;
 W. Sample control concernment is not of lineat as specified

Lab Order 1702072 Hall Environmental Analysis Laboratory, Inc. Dute Reported: CLUENT: Souder, Miller and Associates Client Sample ID: Hoeriano lifer Project: Huerfano Station Lab ID: 1702072-001 Collection Date: 2/02017 1:50:00 PM Matrix: AOUEOUS Received Date: 2/2/2017 8:00:00 AM Analyses Result PQI. Qual Units DF Date Analyzed Batch PRAMETROD 92898; VOLXT Admitherations Interprojectorsel Interproje
 Annihysi. D.J.F

 200 2012/0716 (#4152 PM
 W46507

 200 2012/0716 (#4152 PM
 <t EPA METHOD 82608 VOLATILES Analysi. DJF 70-130 103 109 70-130 70-130 200 2/3/2017 6.43:02 PM W40507 200 2/3/2017 6:43:02 PM W40507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information

- Vilovativeki Maximum Contantinus Loval.
 D Sample Diluted Due to Marix
 H Holding tunes for synaphies or sayloita extended
 H Holding tunes for synaphies or sayloita extended
 HD for Denoted al de Heneritin Lineit
 R HD0 outlink acceptal zonovery lineit
 3 % Recovery outside of range due to dilution or mumx

D Analyse detected in the answeriated Method Blank
 E Value above quantitation range
 1 Analyse detected filler quantitation filler
 P Samula of Nick for Range
 RL Reporting Direction Limit
 W Sample contains rangemine to out of hims an apocified

Analytical Report

| Natriet J 625 N. French Lit., Habba, Witt SKN40 | | e of New Mexico | Form C-138 |
|--|--|---|--|
| hattern II 101 W. Grand Avenue, Artusta, NM 18210 | | erals and Natural Resources | the second define (2.1 |
| Annuel III 000 Aus Breve Road, Amer. NM 97410 | 1711.01 | onservation Division South St. Francis Dr. | and Generator shall sometime and miles that |
| house IV 220 5 St. Princip Dat, Simila Fr. WM 8750 | 12202 | na Fe, NM 87505 | documentation so-ailable for Drysson impaction. |
| | | OVAL TO ACCEPT | SOLID WASTE |
| Generator Name and Address | | orac roaccert | Solito WASTE |
| Interprise Field Services, LI.C., (| 614 Reilly Ave, Farmingto | m NM 87401 | |
| Originating Site; Angel Peak Compressor Stati | inan. | | |
| Location of Material (Street 101. E. Section 20 Township 27 ! | Address, City, State or Ul North Range 10 West; 36: | LSTR): 561288, -107.926099, San Ju | ir Caunty, NM |
| b. Source and Description of W iource: Water/Oil from the Non I Pescription: Non Exempt/Non Jia Estimated Volume 100 yd ² (bb) | Ecompt WasteWater Tanks agardous Water from the cot | npressur skids | \sim |
| 5. GR | MERATOR CERTIFICA | TION STATEMENT OF WA | STE STATUS |
| Generator Signature | rue Convervation and Recov | | nvironmental Protection Agency's July 1984 |
| RCRA Exempt. Oil field | wastes generated from oil a | | int operations and are not mixed with turn |
| characteristics established in R | CRA regulations, 40 CFR | 261.21-261.24, or listed hamrd | er manumarn standards für waste hazardous by oaa waate as defined in 40 CFR, part 201, we-described waste is non-hazardous. (Check |
| MSDS Information RCR. | A Hazardous Waste Analys | is 🖾 Process Knowledge | Other (Provide description in Box 4) |
| GENERATOR 19.15. | 36.15 WASTE TESTING | CERTIFICATION STATES | IENT FOR LANDFARMS |
| Thomas Long Form Long Feature Generator Signature he required testing sign the Genera | | iducts Operating authorize to ci ation. | mplen:- |
| rec | presentative for | Agua Moss, LLC | do hereby certify that |
| epresentative samples of the oil fu- ave been found to conform to the of the representative samples are at 9,15,30 NMAC. | eld waste have been subject specific requirements appli databed to demonstrate the s | ted to the paint filter test and te cuble to landfarms pursuant to | ted for cloorde content and that the samples Section 15 of 19.15.36 NMAC. The results to the requirements of Section 15 of |
| Transporter: To Be Determin | | | |
| OCD Permitted Surface Waste | Management Facility | | |
| Name and Facility Permit #: *Ag Address of Facility: SW/4 NW/4 | | | |
| | 🖸 İsjection 📋 Treats | og Plant 🔲 Landfarm 🔲 | Landfill [] Other |
| Waste Acceptance Status: | APPROVED | DENIE | D (Must Be Maintained As Permittent Record) |
| | | | |

| Andy | - | L | | | | | | | |
|--------------------------|----------|---|--------------------------------|-------------------|-------|--------------|--|--|-------|
| | reem | nan | | | | | | | |
| Labora | tory] | Manager | | | | | | | |
| | | ins NE | | | | | | | |
| | | ie, NM 87109 | | | | | | | |
| | - | | | | | | | | |
| | | | | | | | | | |
| | - | nomental Analy | | atory, Inc. | | | | Analytical Repury Lab Ordey 1009441 Date Reported: 10/3/ | 1916 |
| | | er, Miller and Associat | 44 | | | | | ngel Peak BGT | |
| Lah ID: | | prise Angel Peak | in the | (in more to | | | | 5/2016 2:30:00 PM | |
| | 100% | 441-001 | | AOUEOUS | 3 | tocelved | | 0/2016 7:30:00 AM | |
| Analyses | - | | Result | PQL Qu | al U | nife | DF | Date Analyzed | B |
| EPA MET | | 2608: VOLATILES | MIX | 0.40 | | nist. | | Analy | |
| 1-Mailtyle | | dennin . | ND | 0.40 | | ngA | | 0 9/13/2016 12:17:00 F | |
| 2-Marroya | aphtha | Annin | ND | 0.80 | | ng/L | | 0 9/13/2016 12:17:00 P | |
| Autons | | | ND. | 2.0 | | ngA | 20 | 0 9/13/2016 12:17:00 P | MR |
| Broinabe | | 100 | ND | 0.20 | | ng/L | | 0 9/13/2018 12:17:00 P | |
| Brandor | | minane: | ND ND | 0.20 | | ng/L | | 0 9/13/2016 12:17:00 P | |
| Brianksina | | | ND | 0.00 | | ngit. | | 0 8/13/2016 12:17:00 P | |
| 2-BLAAMS | | | 9473 | ān | | -01 | 20 | 0/13/2016 12:17:00 P | MR |
| -Dehos d | | | ND | 2.0 | | ngiL | 20 | 9/13/2016 12:17:00 P | MR |
| Carton 7 Chichuna | | ania. | NO | 0.20 | | figh | | 8/18/2018 12:17/00 P | |
| Chioroeth | | | NE | 0.40 | | Agen | 20 | 3 9/13/2016 12:17:00 P | MR |
| Chlorofur | | | ND | 0.20 | | ngt. | | 9/13/2016 12:17:00 P | |
| Chlorome | | | ND | 0.60 | | ng/L | 200 | 9/13/2016 12:17:00 P | MR |
| 2-Chlands 4-Chiant | | | ND | 0.20 | | ngiL | | 1 M/15/2016 12:17:00 P | |
| un-12-D | | | ND | 0.20 | | ngit. | | 0/13/2016 12:17:00 P | |
| m=1,3-0 | 001010 | ADDente . | NO | 0.20 | | hon. | | 1 9/15/2016 12:17:00 P | |
| | | Покарнарына | ND | 0.40 | | nat | 200 | 0 0/3/2016 to 17.00 P | MR |
| Distrograd | | | ND | 0.20 | | ng/L | | 9/13/2018 12:17:00 P | |
| Dibromon 1,2-Dichk | | | ND | 0.20 | | ng/L | | 9/13/2016 12:17:00 P | |
| 1,2-Dichie | | | ND | 0.20 | | ng/L | | 9/13/2016 12:17:00 P | |
| 1.4-Dichle | | | ND | 0.29 | | ng/L | 200 | 913/2016 12:17:00 P | MR |
| Gidliked | | | ND | 0.20 | | ng/L | | 0/13/2016 12:17:00 P | |
| 1,1-Dichle 1,1-Dichle | | | NO | 0.20 | | nal. | | 3/13/2016 12:17:00 P | |
|),3-Diow | | | ND | 0.20 | | ngi Info | | 9/10/2016 12:17:00 P | |
| 1,3-Dichik | roprops | ane | ND | 0.20 | | ngt. | | 9/13/2016 12:17:00 P | |
| 2,2-Dichlo | | | ND | 0.40 | п | naL. | 200 | 9/13/2016 12:17:00 P | MR |
| F,1-Dicher Huxachier | | | ND | 0.20 | | ngst. | | 9/13/2016 12:17:00 P | |
| 2-Hexano | | | ND | 2.0 | | ng/L ng/L | | 9/13/2016 12:17:00 P | |
| Isopropyk | anitions | | ND | 0.20 | | 197L | | 0/13/2016 12:17:00 P | MR |
| 4-1600/00 | | | ND | 0.28 | .11 | 192 | | 1 2/13/2010 12:17:00 P | |
| 4-Mathylene | | | ND ND | 2.0 | | ng/L | | 9/13/2016 12:17:00 P | |
| h-Bullytow | | | ND | 0.60 | | ng/L ng/L | | 9/13/2018 12:17:00 P | |
| | r to th | e QC Summary report | and sample keg | gin checklist for | flags | ged QC d | lata and p | reservation informati | 00 |
| Ref | | | | | D | | | is associated Method Bla | |
| Ref. | | Value exceeds Maximum | | | | | | | |
| | D | Sample Diluted Due to M | latrix | | E | Value ab | ove quantita | ation range | |
| | D II ND | Sample Diluted Due to M Halding room for prepara | latrix tizo er analysos ess | | E | Analyte d | ove quantita lettered belo 11 Nor In 9 | w quantitation limits | age 2 |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Souder, Miller and Associates 401 W. Broadway Varmington, NM 87401 TEL: (505) 325-5667

RE: Enterprise Angel Peak

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/9/2016 for like analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accendited tests please go to <u>www hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklint and/or the Chain of Cuaody for information regarding the sample checklint and/or the Chain of Cuaody for information regarding the provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided in both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, indicas otherwise initiated. Lab measurement of analytic considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications ADHS Cert #AZ0682 = NMED-DWB Cert #NM9425 - NMED-Micro Cert #NM0190

Dear Tom Long:

October 03, 2016 Tom Long

FAX

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albaquery NII 17100 122, 505-345-4075 P.W. 303-343-4407 Websier years, Kallenvironmental, unit

OrderNo.: 1609441

| CLIENT: 3 | Sounder | Miller and Associates | | 0 | lient Sam | aple ID: Angel Peak BGT |
|-------------|----------|--------------------------------|-------------|---------------------|------------|---|
| | | rise Angel Peak | | | | m Dane: 9/8/2016 2 30.00 PM |
| | 1004 | | Alexander | AQUEOUS | 6 h | d Date: 9/9/2016 7:30:00 AM |
| ran the | I ND94 | 1.001 | Marris; | AQUINOUS | Margaret a | a Date 0/0/2018 //30/00 AM |
| Analyses | | | Renalt | PQL Qual | Units | DF Dole Analyzed Baich |
| EPA METH | OD 82 | TOC TOLP | | | | Analyst: DAM |
| 2 Melhylpi | lional | | ND | 200 | mail | 1 W14/2016 4.58:02 PM 27476 |
| 3+4-Methy | phenol | | ND | 200 | mg/L | 1 9/14/2016 4:58:02 PM 27476 |
| Prenol | | | ND | 200 | mg/L | 1 9/14/2016 4 58 02 PM 27476 |
| 24-Dinitio | diam. | | NO | 0.13 | Ingit | 1 W14/2016 4 58 02 PM 27470 |
| Hexachion | obenze | 00 | ND | 0.13 | mar. | 1 SV14/2016 4:58:02 PM 27476 |
| Hindolin | 00/100 | 000 | ND | 0.50 | mg/L | 1 W14/2016 4 38 02 PM 27478 |
| Heasthing | cillium | | ND | 3.0 | mpiL | 1 W14/2016 4:58:02 PM 27476 |
| Miroberus | ine | | ND | 2.0 | mart | 1 9/14/2015 4:58:02 PM 27/4/5 |
| Pontechior | rophone | × | ND | 100 | mg/L | 1 0/14/2016 4.88:62 PM 27176 |
| Pyridine | | | ND | 5.0 | mg/L | 1 9/14/2016 4:58:02 PM 27476 |
| 2,4,5-Trich | damph | (TE) | ND | 400 | mark_ | 1 9/14/2016 4:58:02 PM 27476 |
| 2.4,6-Test | loteptu | area. | ND | > n | ngfi | 1 0/14/2018 1 58 02 PM 27475 |
| Creapis, T | otal | | ND | 200 | mg/L | 4 W14/2016 4:58:02 PM 27476 |
| Sur: 24 | Fluorop | henol | 15.1 | 15-124 | %Rec | 1 9/14/2016 4:58:02 PM 27476 |
| Surr: Ph | nenol-d | 5 | 19.4 | 15-118 | %Rec | 1 9/14/2016 4:58:02 PM 27476 |
| 5ur: 1,4 | 4,6-Trii | (onopheno) | 27 8 | 16-148 | WRite | 1 W14/2016 4:56:02 PM 27476 |
| Sur. N | trobenz | one-d5 | 45.8 | 40.6-124 | %Rec | 1 9/14/2016 4:58:02 PM 27476 |
| Surr: 2- | Fluorob | iphenyl | 39.2 | 35.7-128 | %Rec | 1 9/14/2016 4:58:02 PM 27476 |
| Sur: 4- | Territor | nyi-ct4 | 28.7 | 18.8-115 | NRH: | 1 0/14/2018 4:58:02 PM 27676 |
| EPA MET | 100 74 | TO: MERCURY | | | | Analyst print |
| Marcury | | | 0.00076 | 0.000220 | mgd | 1 0/22/2018 3:36:35 PM 27641 |
| EPA 60108 | B: TOT | AL RECOVERABLE ME | TALS | | | Analyst: MED |
| Americ | | | ND | 0.020 | mpl | 1 9/22/2016 3 45 44 PM 27610 |
| Barium | | | u.048 | 0.020 | mgL | 1 9/22/2016 3:48:44 PM 27619 |
| Cadmium | | | ND | 0.0020 | mgL | 1 9/22/2016 3:48:44 PM 27619 |
| Chromium | 1.1 | | ND | 0.0000.0 | mol | 1 9/22/2016 3:48:44 PM 27/010 |
| Lood | | | ND | 0.0050 | mgiL | 1 6/22/2016 3:48:44 PM 1/2018 |
| Selenium | | | ND | 0.050 | mg/L | 1 9/22/2016 3:48:44 PM 27619 |
| Bilver | | | ND | 0.0058 | mpl. | 1 9/22/2016 3:48:44 PM 27619 |
| SPA METH | OD 8 | EGANG INCLASED | | | | Analyst: DJF |
| Benzetar | | | ND | 0.50 | mgl | 200 9/13/2016 12:17:00 PM R3716 |
| Toluene | | | 8.61 | 0.20 | mail | 200 0/13/2016 12:17:00 PM R37151 |
| Ethylbenz | unu | | ND | 0.20 | mg/L | 200 9/13/2016 12:17:00 PM R3716 |
| | | ther (MTBE) | ND | 0.20 | mg/L | 200 9/13/2016 12:17:00 PM R3716 |
| 1,2,4-Trim | | | ND | 0.20 | mg/L | 200 9/13/2016 12:17:00 PM R3716 |
| 1,3,5 Trim | | | ND | 0.20 | ingl | 200 9/13/2016 12:17:00 PM R3710 |
| 1,2-Dichlo | | | ND | 0.20 | mg/L | 200 9/13/2016 12:17:00 PM R3716 |
| 1.2-Ditron | noethar | He (EDB) | ND | 0,20 | mgl | 200 9/13/2016 12:17:00 PM R3716 |
| Refi | ir to th | e QC Summary report as | iù sauple h | gin checklist for i | lagged Q0 | C data and preservation information |
| Qualifiers: | | Value exceeds Maximum Co | | | | te detected in the associated Method Blank |
| | D | Sample Diluted Due to Matri | | 1 | | above quantitation range |
| | . II | Hobling times for preparation | | teinese | | A CONTRACT OF A |
| | ND | Teor Detected at the Reporting | | | | te pH Nos in Range |
| | R | RPD outside accepted recover | | | | rting Detection Limit |
| | s | % Recovery outside of range | | | | le container temperature is out of limit as specified |

Analytical Report Lab Order 1609441

| Program Construint of the processing of the procesing of the processing of the procesing of the processing of the pr | CLIENT: Souder, Miller and Associates | | | | He ID: Angel Peak BGT | | | eder, Miller and Associates | | | |
|---|---------------------------------------|-------------------|-------------------|--------------|--|------------|-------------------------------|-----------------------------------|---|--------------|------|
| Aufgrein Ramit PUL Que II Lein DF Dat Analyzie Neider Pulle Pulle <t< th=""><th>Penjeri: Emergence Augel Peak</th><th>Manda</th><th>NOLIFOUR</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>_</th></t<> | Penjeri: Emergence Augel Peak | Manda | NOLIFOUR | | | | | | | | _ |
| And York Normal Pipe User Normal Pipe User Adapta Bases Prophenering NO 0.00 media 200 9132001 12:70.00 H R27501 H Pipe User | | - | | | | | | | | | |
| Dr.M. March De Stool, VOLATILED Availage Darie Availage Darie Availage Darie No. Darie Darie <thdarie< th=""> Darie Darie</thdarie<> | Analyses | Result | PQL Que | Units | DF Date Analyzed | Baic | | | | | |
| Introduction ID Dots | | | | | | | Artalyte | | and the second second second second | - | 8.5 |
| Openes ND Cost mpd. 200 H12000 S17100 ML 67741 Minute ND D 11.3.3. Headbooking ND Cost mpd. 200 H12000 S17100 ML 67741 Minute ND Cost ND ND <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Benzene</td><td></td><td>SPAINS VIE WHELE LOWDING TIGRILINE SLAPU</td><td>HONDLIMIT</td><td>QUAR</td></t<> | | | | | | | Benzene | | SPAINS VIE WHELE LOWDING TIGRILINE SLAPU | HONDLIMIT | QUAR |
| Bit | | | | | | | | | | | |
| 11.13 Transdomministic ND 0.28 mg1 200 913001 1277.09 M 127161 ND 100 2.5 Minuted controls ND 100 0.5 Minuted controls 100 0.5 Minuted controls 100 0.5 Minuted controls <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | | | | | |
| 11.3.3-Transformations N0 0.46 npl. 200 9132015 1277.00 PM 137181 10.3.5 transformations N0 0.0 11.8.4-Transformations N0 0.20 npl. 200 9132015 1277.00 PM 137181 12.06 transformations N0 1.0 11.8.4-Transformations N0 0.20 npl. 200 9132015 1277.00 PM 137181 12.06 transformations N0 1.0 11.4.4-Transformations N0 0.20 npl. 200 9132015 1277.00 PM 137181 12.06 transformations N0 0.0 11.4.4-Transformations N0 0.20 npl. 200 9132015 1277.00 PM 137181 12.06 transformations N0 0.0 11.4.5-Transformations N0 0.20 npl. 200 9132015 1277.00 PM 137181 Molecular N0 0.0 11.2.5-Transformations N0 0.20 npl. 200 9132015 1277.00 PM 137181 Molecular N0 0.0 0.0 11.2.5-Transformations N0 0.20 npl. 200 9132015 1277.00 PM 137181 Molecular N0 0.0 0.0 11.2.5-Transformations N0 0.0 0.0 0.0 0.0 0.0 | | | | | | | | | | | |
| Interface (PCE) NO 0.23 mpL 0.00 | 1,1,2,2-Tetrachorouthane | | | | | | | | | | |
| Title 1-3.00/c. mol. NO 0.30 mol. 200 H12001 S1700 PM R7161 1.0 Bit 2001 S1700 PM R7161 1.0 Bit 2001 S1700 PM R7161 1.0 Bit 2001 S1700 PM R7161 NO 1.0 Bit 2001 S1700 PM R7161 1.3.4 H1200 H12001 S1700 PM R7161 1.3.0 H12001 S1700 PM R7161 1.0.0 H1201 S1700 PM R7161 2.0.0 H1201 S1700 PM R7 | | | | mg/L | | | | | | | |
| No. No. 0.00 mod. 200 #132019 12/10 0 Million No. 0.00 0.00 No. | | | | | | | | | | | |
| TLA-Findbooksheereer ND 0.20 mg/L 200 PSO/L 12/170 PM R37101 Statement (12/170 PM R37101) Statement (12/17 | | | | | | | Naphthalene | ND 2.0 | | | |
| 1,1,1-Trablement ND 0.20 mgL 0.00 </td <td></td> | | | | | | | | | | | |
| 1.6.7em/stanuence NO CO model 200 Produce Standing NO | | | | | | | | | | | |
| Technological provide service (C1) Note of Source (C1) Not Sour Not Sour Source (C1) Not Sour Source (C1) Not Source (C1) Source (C1) Not Source (C1) Source (C1) Not Source (C1) Not Source (C1) Source (C1) Not Source (C1) Source (C1) Source (C1) Source (C1) Source (C1) Source (C1) Source | | | | | | | | | | | |
| The base flow in the constraint in th | | | | | | | | | | | |
| L2-1-Information M0 64/l math 200 #1320/th E217/00 PM B27/th E27/th Wire drivings M0 0.30 math 200 #1320/th E217/00 PM REF Bornenhame NO 3.0 Signer, Toble M0 0.30 math 200 #1320/th E217/00 PM REF Bornenhame NO 1.0 Signer, Toble M0 0.30 math 200 #1320/th E217/00 PM REF Bornenhame NO 1.0 Signer, Toble M0 0.30 math 200 #1320/th E217/00 PM REF Bornenhame NO 1.0 Signer, Tohuno d0 97.4 Tohio 3.4ee 200 #1320/th E217/00 PM REF Bornenhame NO 2.0 Born Tohuno d0 97.4 Tohio 3.4ee 200 #1320/th E217/00 PM REF Bornenhame NO 2.0 Born Tohuno d0 97.4 Tohio 8.40 REF | | | | mal | | | | | | | |
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| K A D based accepted recovery innus KL. Keporting Detection Limit | | | | P Sample p | pH Not In Range | | ND Net Descried at the Rey | eporting Limit | F Sumple pit Nos in Range | and a second | 100 |
| a 'n accovery outside of range due to diffusion or matrix. W Sample container temperature is out of limit as specified | | | | | | IN ADECIDE | | | | | |
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| Sample ID rb | Examp | Type: MI | DLR | Te | utCaste 6 | PANethod | AND AND A CO | ATIELS | | - |
|---------------------------|------------|----------|-----------|-------------|-----------|-----------|--------------|---------|----------|--------|
| Court ID PBW | East | 5 ID: R | 7161 | | Runha | | | an case | | |
| Prep Date: | Analysis | | | | SeqNo: | | Units: µg/L | 1.11 | | |
| Analyte | Result | POL | SPK value | SPK Ret Val | 1.REC | LonLinit | HighLinsi | SHPD | RPDLimit | Christ |
| 1,1-Distrisropropene | ND | 1.0 | | | | | | | | - |
| ioxachlorobuladiene | ND | 1.0 | | | | | | | | |
| -Hexanone | ND | 10 | | | | | | | | |
| copropylbonzone | ND | 1.0 | | | | | | | | |
| -Isopropyltoluene | ND | 1.0 | | | | | | | | |
| Mattyl-2-pentanone | AIE) | 10 | | | | | | | | |
| Mittylene Chibelde | ND | 3.0 | | | | | | | | |
| +Bullytenzene | ND | 3,0 | | | | | | | | |
| -Propylbenzene | ND | 1.0 | | | | | | | | |
| ec-Butylbenzene | ND | 1.0 | | | | | | | | |
| Syland | ND | 1.0 | | | | | | | | |
| ort-Butylbonaone | ND | 1.0 | | | | | | | | |
| 1,1,1,2-Tetrachkroethane | ND | 1.0 | | | | | | | | |
| 1.1.2-Tetrachibroidhani | ND | 20 | | | | | | | | |
| manuscensine (PCE) | ND | 1.0 | | | | | | | | |
| ans-1,2-DCE | ND | 1.0 | | | | | | | | |
| ered 3-Dichoropopere | ND | 1.0 | | | | | | | | |
| 2 3 Tricrevolatorie | ND | 1.0 | | | | | | | | |
| ,2,4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,1-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1,2-Trichloroethane | ND | 1.0 | | | | | | | | |
| ichlwoener(TCE) | ND | 1.0 | | | | | | | | |
| hetlerstuoremeticine | ND | 1.0 | | | | | | | | |
| 2,3-Trichloropropane | ND | 2.0 | | | | | | | | |
| ingli shiarida | ND | 1.0 | | | | | | | | |
| Venes Total | ND | 1.5 | | | | | | | | |
| Sur 1,2-Dknbroethine-d4 | 10 | | 10.00 | | 102 | 70 | 130 | | | |
| Sun. 4-Bromoliuorobenzene | 9.4 | | 10.00 | | 93.8 | 70 | 130 | | | |
| Sur: Dibromofluoromethane | 11 | | 10.00 | | 109 | 70 | 130 | | | |
| Sum Tolvine-UB | 9.6 | | 10,00 | | 95.7 | 70 | 130 | | | |
| Sample ID 100ng los | SampT | YPHE LC | 9 | Tes | Code E | PA Mathod | 82688: VOL | ATLES | | |
| Client ID: LCSW | Baird | ID: RS | 161 | | willo: 3 | | | CO-MG | | |
| Prep Gete: | Analysis D | | 3/2016 | | legNo 1 | | Units: µg/L | | | |
| Anuslyta | Result | POL | SPK value | SPK Ret Val | THEC | LowLine. | HIGHLINE | WRPD | RPOLImit | Quti |
| initia | 21 | 9,0 | 20.00 | D | 105 | 70 | 150 | - | | - |
| | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| oluene | 10 | 1.0 | | | | | | | | |

| | | | April 1 | aborat | ory, Inc. | | | | | _ | #1-Dee-J |
|---|--|---|---|--|---|--|---|--|---|---|----------|
| Client: Project: | | diller and e Anrel P | | lics | | | | | | | |
| Sample ID | | | Typer LC | | | | | | | | |
| | | | | | | | | ezeeq; vol. | ATILER | | |
| Client ID: | LCSW | | hic RI | | | anNo: 3 | | | | | |
| Prep Date: | | Analysis I | Date: 9 | 13/2016 | 1 | SeqNo: 1 | 152624 | Units: µg/L | | | |
| Analyse 1,1-Dichorpetre | | Result 20 | POL 1.0 | SPK value 20.00 | SPK Ref Val | SPEC 100 | LowLinell 70 | HighLimit | 5.RPD | RPDLimit | Qual |
| Trichlorpethene | | 20 | 1.0 | 20.00 | 0 | | 70 | 130 | | | |
| | (ICE) tioroethane-d4 | 9.9 | 1.0 | 20.00 | 0 | 102 98.8 | 70 | 130 130 | | | |
| | duorobenzene | 9.9 | | 10.00 | | 98.8 | 70 | 130 | | | |
| | shooromethane | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Sur: Toluene | | 9.6 | | 10.00 | | 96.4 | 70 | 130 | | | |
| Sample ID | 1809441-001a ma | Samp | Type MS | 1 | Test | Code F | PA Method | 8260B: VOL | ATILES | | |
| | Angel Peak BGT | | NID RS | | | iunNa 1 | | | | | |
| Prop Dille | | Analysis (| | | | icqNo: 1 | | Links Hort | | | |
| Analytic | | Resor | POL | SPR -alua | SPK Ref Val | NREC | LowLink | HighLinit | NRPD | RPOLIMI | Qual |
| Bergeni . | | 4800 | 200 | 4000 | 0.3476 | 120 | 70 | 130 | | | - |
| Tolland | | 4/100 | 200 | 4000 | 0.6113 | 134 | 70 | 150 | | | |
| Distribution | | 3000 | 200 | 4000 | ō | 95.0 | 70 | 190 | | | |
| 1,1-Dichloroethe | ene | 4100 | 200 | 4000 | 0 | 104 | 70 | 130 | | | |
| Trichloroethene | (TCE) | 4200 | 200 | 4000 | 0 | 105 | 70 | 130 | | | |
| | ilorosthane-d4 | 2100 | | 2000 | | 105 | 70 | 130 | | | |
| Sur: 4-Brome | ofluorobenzene | 1900 | | 2000 | | 94,9 | 70 | 130 | | | |
| Sur: Dibromo | alustomethane | 2200 | | 2000 | | 110 | 70 | 130 | | | |
| Sur: Toluene | 16t | 1900 | | 2000 | | 95.4 | 70 | 130 | | | |
| | | | | | 100 | iciada E | | #2608: VOL | ATILES | | |
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| Client ID: | 1609441-001a msi Angel Peak BGT | Bildo | h ID: R3 | 7161 | F | RunNo: 3 | 7161 | | | | |
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| Client ID: Prep Date: Analyte Recome | | Balo Analysis I Result 4500 | h ID: R3 Date: 9/ PQL 200 | 7161 13/2016 SPR intee 4000 | SPM: Ref Val 11/0476 | RunNo: 3 SeqNo: 1 MBREC 111 | 7161 152649 LowLimik 721 | Units: µg/L HighLimii 190 | A DA | 20 | Quil |
| Client ID: Prep Date: Analyte Recomm Towere | | Balo Analysis I Binsult 4500 4400 | h ID: R3 Date: 9/ PQL 200 200 | 7161 13/2016 39% value 4000 4000 | 57% Ref Val n 147% 0.6113 | RunNo: 3 SeqNo: 1 MBREC 115 110 | 7161 152649 LowLimik 70 70 | Units: µg/L HighLimi 190 130 | # 08 3.10 | 20 20 | -Duali |
| Client ID: Prep Date: Analytie Bersee Tokiere Chlorobenzene | Angel Peak BGT | Bield Analysis I Riesult 4500 4400 3700 | h ID: R3 Date: 9/ PQL 200 200 | 7161 13/2016 39% Value 4000 4000 | 57% Ref Val n 147% 0.6113 0 | RunNo: 3 SeqNo: 1 108 110 93.2 | 7161 152649 Lowellmik 70 70 70 | Units: µg/L (lighLimi 150 130 130 | 8 08 3.10 1.97 | 20 20 20 | -Duali |
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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Souder, Miller and Acce Project Enterprise Angel Peak Sample ID MB-17641 TeerCode: EPA Method 7470; Mercury Client ID: PBW Batch ID: 27641 RunNo: 37426 Prep Dete: 9/21/2016 Analysis Date: 9/22/2016 Sectio: 1163336 Units mark Analyta Result POL &PK visue SPI Ref Val KREC LowLenii, HighLand SkRPD RPDLani, Qual NO 5.00025 samplyoe: LCS Gemple ID. LC5-27641 TaxtGode: EPA Method 7470. Mercury Client ID: LCSW Butch ID: 27641 Runfic: 37426 Prep Date: 9/21/2016 Analysis Date: 9/22/2016 SeqNo: 1163337 Units: mg/L Analyte Result POL SPK value SPK Ref Val INREC: LewUmit HighLimit 3uRPD RepDLimit Juni 0.0046 0.0020 0.005000 0 92.2 80 130

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Value exceeds Maximum Contaminant Level

- Sample Solvens Monitorin Contaminat Level.
 Sample Solvens Matrix
 Holding times for preparations or analysis exceeded
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- Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Somelie pH foot In Rouge
 RL Rayning Detection Limits
 W Sample container temperature is out of limit as spe Page 7 of 7

e is out of limit as specified

| | XX | TM + X3T8 88100 H9T HUM) H9T HUM) H9T 100) H9T 100) 803 H45 M 5 AP3 H FAP3 100 H2 H00 H2 H00 H2 H00 H2 H00 H2 H00 H2 H00 H2 H2 H2 H2 H2 H2 H2 H2 H2 H2 H2 H2 H2 | 10.08 0 No BE + 1 BE + 1 BE + 1 1,000 418 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | SH CSOB CS | Nor, con. Ton long / buly Marod (200 00) (90 00) | | erprise Angel Peak | | |
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HALL ENVIDONMENT AHALYSIS LABORATORY mist Analysis Labo Hall Knylein Ann Hawking NE Sample Log-In Check List 19-0 TEL. 355-343-3773 FAX: 303-345-410 Website: www.hall Work Order Number: 1609441 Client Name: SMA-FARM Repline: 1 ogloglu Received byrdate: AG 0 - siller Loggod By Lindsay Mangin 9/9/2018 7:30:00 AM 0-yilligo 89/2018 8:34:55 AM Completed By: Undersy Mangin Having by JC 09/09/14 Yes 🖸 Nu D Not Present 1. Castody male intest on sample bolling? Van 🗹 No. D Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In NA IT No ⊡ Yes W 4. Was an attempt made to cool the samples? NA [] No 🗆 5. Were all sumplus monived at a temperature of >0° C to 6.0°C You M No 🗆 6. Sample(s) in proper container(s)? Yes R Yes 🗹 No 🗆 7, Sufficient sample volume for indicated test(s)? B. Are samples (except VDA and ONG) property preserved? No 🖂 Yes 🗹 No 52 NA I B. Was preservative added to bottles? Yes D Yes 🕅 Yes 🗖 10, VOA viala have zero hexispace? No D No VDA Viale D 11. Were any sample containers received booken? No MI # of preserved ootilas checked for pH: Slot = 12 unitade noted) Yan 😥 NO D Adjusted 12. Does peperwork match bottle labele? (Note disorepancies on chain of costody) Yes M No II 13, Are matrices correctly identified on Chain of Custoay? No 🗆 Checked by: and 14, is it clear what analyses were requested? Yes S 15. Were all holding times able to be mell (If no, notify customer for authorization.) Special Handling (If applicable) No LL Yes 🗐 NAM 16. Was client notified of all discrepancies with this order? Person Notified: Date Vie: eMell Phone Faix in Person By Whom: Regarding: Client Instructions 17. Additional remarks 18. <u>Cooler Information</u> <u>Cooler No.</u> <u>Temp 47:</u> <u>Doortton</u> <u>Seed Inset Seed Ho</u> <u>Seed Davis</u> <u>Bigned By</u> <u>It</u> <u>2.9</u> <u>Good Yes</u> Page 1 of 1

Do Not Take AT pretty Lady

State of New Mexico District J 1025 N. French De., Holdes, MAA KKIAR Form C-138 Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Diarsa B 1101 W. Grand Avenue, Atrone, NAI 68210 Surface Waste Manusceness: Fucility Operators and Generators shall traincare and make this inconsectation available for Division importion. District III 1000 Rin Tirgans Road, Arms, NM 87410 Dimmer IV 1220 & St. Francis Dr., Since Fe, NM 67503 Santa Fe, NM 87505 REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401 2. Originating Site: Lindrith Comparing and Clark Location of Material (Street Address, City, State or ULSTR): UL I Section 18 Tawnidg 24 North Range 5 West, 36:310358, -107.395766, Son. Joza County, NM. 4. Source and Description of Waste: Saurce: Water/Oil from the Non Eveny 2 npt WasteWater Tanks and from the compressor skid drams Description: Non Exempt/Non Magadons Water from the compressor skids. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS 5. I, Thomas Long 2 representative or authorized agent for Enterprise Products Operating do hereby 1, Homan Longer - expression and conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) RCRA Exempt: Oil field wastes generated from oil and gas explorations and production operations and are not mixed wab inter-exempt waste. Operators Fits Only: Water december 25 approach Fitsproach [] Workly [] Por Lund 20. DA. Sun-Lasenge: Gli field waste which is non-hizardous that does not exceed the minimize itanizardi for waste hazardous by characteristus established in RCRA regulations, 40 CPU 261, 21-261, 24, or isited hazardous waste as defined in 40 CFR, put 261, subpart D, as anended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) 🗆 MSDS Information 🛛 RCRA Hazardous Waste Analysis 🖾 Process Knowledge 📄 Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, Thomas Long How Ly, representative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, ______, representative for _________ Agaa Moss, LLC ________ do hereby certify that representative samples of the null field waste have here subjected in the paint filter test and zened for chloride content and duit the samples lace there. Brown to content in the operative representation to hardness presentation is next in 12 to SMMAC. The results of the representative samples are attached to demonstrate the share-elsewibed waste conform to the requirements of Section 15 of : represent Transporter: To Be Determ OCD Permitted Sorface Waste Management Facility Name and Facility Permit #: #Agua Moss, LLC - Permit #: NM-01-009 Address of Facility: SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM Method of Treatment and/or Disposal Evaporation Waste Acceptance Status: Method Status PRINT NAME: EJEVIC Higg w/2
 TTILE: Support Market Management Inciting Authorsted Agent
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| | | CLIENT: Su Project: Lit | ider, Miller and Associate dreth CS | 15 | | Collect | emple (D: Lindreth Non Exempt tion Date: 3/4/2016 11:54:00 Ab | |
| Line Mennell | | Lab ID: 16 | /3077-001 | Matrix: | AQUEOUS | Receiv | ved Date: 3/2/2016 7:00:00 AM | |
| snicy Maxwell | | Analyses | | Result | POL O | ual Units | DF Date Analyzed | Batch |
| ouder, Miller and Associates | | | Sum Z. J. | | | | Trans. | |
| 01 W. Broadway | | | D 8270C TCLP | 6 | | - Sec | | SPA DAM |
| rmington, NM 87401 | | 2-Methylphen | | 180 | | B into A | 第86/2016 表示:設定 1 3/16/2016 4:57:42 P | |
| EL: (505) 325-5667 | | 3+4-Methylph Phenol | anol | ND | | D mg/L D mg/L | 1 3/16/2016 4:57:42 P 1 3/16/2016 4:57:42 P | |
| | | 2,4-Dinitrotol | | ND | | D mg/L | 1 3/16/2016 4:57:42 P | |
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| all Environmental Analysis Laboratory received 1 san | nple(s) on 3/2/2016 for the | 2.4.6-Tricmon | (onertage) | PAGE . | 25 | D mpl | 1 5/16/2016 4:57:42 F | PM 24097 |
| alyses presented in the following report. | | Cresols, Tota | 1 | ND | 200 | D mg/L | 1 3/16/2016 4:57:42 P | |
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| se were analyzed according to EPA procedures or e | quivalent. To access our accredited | Sur: Phen | | 0 | | SD %Rec | | |
| please go to www.hallenvironmental.com or the st | | | Tribromophismil | .0 | | BD WRMC | | |
| erly interpret your results it is imperative that you r | | | barueno-da | . 0 | | 50 %.Ruc | | |
| the sample checklist and/or the Chain of Custody for | | | exobiphenyt | 0 | | SD Rec | | |
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| wided if the sample analysis or analytical quality con | | Benzene | | 1.3 | 0.20 | mg/L | 200 3/8/2016 9:38:32 PM | |
| hen necessary, data qualifers are provided on both the | sample analysis report and the | Toluene | | 2.1 | 0.20 | mg/L | 200 3/8/2016 II:38:32 PM | |
| C summary report, both sections should be reviewed. | All samples are reported, as | Emytheriaere | (| ND | 0.20 | mgil | 200 3/6/2016 9:38 82 PI | |
| ceived, unless otherwise indicated. Lab measurement | of analytes considered field | | ityi etinin (MTBE) | ND | 0.20 | -Agm | 200 3/8/2016 9:38:32 PM | |
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| lorine are qualified as being analyzed outside of the r | | 1, 3, 6, Transf | | MD | 0.20 | night | 200 3/8/2014i 9/36 3/2 PM | |
| forme are quarried as being analyzed outside of the r | continented norming time. | 1,2-Cichiaros | | ND | 0.20 | mol | 200 3/8/2016 9:38:32 Pt | |
| and deale fractions to come the structure of | Configuration of the Continue | 1,2-Dibromo | (hane (EDB) | ND | 0.20 | mg/L | 200 3/8/2016 9:38:32 Pt | |
| ease don't hesitate to contact HEAL for any additiona | I information of clarifications | Nachthalene | and the second se | ND | 0.40 | mail | 200 3/8/2016 9:38:32 Pt 200 3/8/2016 9:38:32 Pt | |
| | | 1-Molthylnock 2-Methylnoph | | ND | 0.80 | mg/L | 200 3/8/2016 8:36:32 PT | |
| DHS Cert #AZ0682 NMED-DWB Cert #NM9425 | 5 NMED-Micro Cert #NM0190 | Acetone | The second second | ND | 2.0 | mg/L | 200 3/8/2016 9:38:32 Pf | |
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| and a second sec | | Carbon divisi | idu. | ND | 2.0 | mg/L | 200 3/8/2016 9:38:32 Pf | M R32659 |
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| dy Freeman | | Bafer | o the OC Summary report | t and sample to | ein checklist | tor flagged | QC data and proservation inform | ation. |
| iburatory Manager | | | 2. A.A. | | | | | |
| | | Qualifiers. | Value exceeds Maximum | | d. | | alyte detected in the associated Method R | dank. |
| 001 Hawkins NE | | | D Sample Diluted Due to M | | 1.15 | | fue above quantitation range | |
| suguerque, NM 87109 | | | H Holding times for prepara | | created | | alyte detected below quantitation limits mole oH Not In Range | Page 1 of 6 |
| | | | ND Not Detected at the Repo | | | P Sam | | |
| The second s | | | R RPD outside accepted re | | | | porting Detection Limit | |

| Hall Environmental Analysi | s Labora | itory, Inc. | 1 | Analytical Report Lab Order 1603077 Date Reported: 3/17/20 | 16 | | |
|---|----------|-------------|------------|---|----------|--|--|
| CLIENT: Souder, Miller and Annociation Project: Lindresh CS Lab ID: 1503077-001 | | | Collection | ample ID: Lindreth Non Exempt tion Date: 3/1/2016 11:54:00 AM ved Date: 5/2/2016 7:00:00 AM | | | |
| Analyses | Result | PQI. Qua | d Units | DF Date Analyzed | Batch | | |
| EPA METHOD 82008: VOLATILES | | | | Anaiys | C AG | | |
| Converteettoris | NO. | 0.90 | mgi | UNT CORPORE ON CONTRACTOR | 1232555 | | |
| Chloroethese | ND. | 0.40 | mp/L | 200 3/8/2016 9:38:32 PM | R32659 | | |
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| 2-Childreninisian | ND | 0.20 | wig/L | 200 3/8/2016 9:38:32 PM | R32609 | | |
| 4-Chlorotoiuene | ND | 0.20 | mg/L | 200 3/0/2016 9:38:32 PM | 1032659 | | |
| cis-1,2-DCE | ND | 0.20 | mg/L | 200 3/8/2016 9:38:32 PM | R32659 | | |
| sla-1,3-Dechloropopenet | ND | 0.20 | may/T | 200 3/8/2016 9:38:32 PM | R32659 | | |
| 1.2-Ditarimo-3-ohiloroproprime | ND | 0.40 | mart | 200 3/8/2016 0:38:32 PM | 12.55660 | | |
| Dibromocnip/nmet/name | ND | 0.20 | mari | 200 3/0/2016 9:38:32 PM | R32659 | | |
| Dibromoinnethave | ND | 0.20 | mg/L | 200 3/M/2016 9/38:32 PM | R32655 | | |
| 1.2-Dichlorobergene | ND | 0.20 | ma/L | 200 3/0/2016 9:38:32 PM | R32651 | | |
| 1.3-Dichlorobinaterni | ND. | 0.20 | more | 200 3/8/2016 9:38:32 PM | R32669 | | |
| 1,4-Dichloropenzene | \$ND | 9,20 | MOG/L: | 360 3653015 533337 PM | R32605 | | |
| Dichlorodifluoromethane | 84D | \$.20 | NgiL | 200 20020181-52632 PbJ | R32659 | | |
| 1,1-Dishloromhime | ND | 0.20 | mort | 200 3/6/2016 9:38:32 PM | R32669 | | |
| 1,1-Dichlancellienc | +40 | 0.20 | mgL | 200 3/8/2016 8.38-32 PM | R32689 | | |
| 1.2-Dichlorocrepiane | ND | 0.20 | mat | 200 3/M/2016 9/38:32 PM | R32668 | | |
| 1,3-Dictronomoune | ND. | 0.20 | max | 200 3/8/2016 9:38:32 PM | R32858 | | |
| 2.3-Divisionerrorpania | MD. | 0.40 | mgd | 200 3/6/2016 B/38/32 PM | R92655 | | |
| 1;1-Disblordproperve | ND | 0.20 | mgiL | 200 3/6/2016 9:38:32 PM | R32659 | | |
| Hexacolorobit ===== | ND | 0.20 | mar. | 200 3/8/2016 9:38:32 PM | R32650 | | |
| 2-Haxanona | ND | 0.20 | mail | 200 3/W2016 9:38:32 PM 200 3/6/2016 9:38:32 PM | R32650 | | |
| Isotraticytownomic | MD. | | mgt | | R32658 | | |
| - a starout work and | IF ND | 0.20 | mgiL | 200 3/6/2016 9:38:32 PM 200 3/8/2016 9:38:32 PM | R32659 | | |
| Additive askable and a Malliviana Charles | ND | 2.0 | mg/L | 200 3/8/2016 9:38:32 PM 200 3/8/2016 9:38:32 PM | R32669 | | |
| n Butylburgen | ND | 0.40 | Agen . | 200 3/6/2016 9:38:32 PM 200 3/6/2016 0 38:32 PM | RIDIE | | |
| n-Propy/Denzeni | ND | 0.20 | mgit | 200 3/8/2016 9:38:32 PM | R32859 | | |
| ame-Bulykontente | NO. | 0.20 | man | 200 3/8/2016 8:38:32 PM | RUMBA | | |
| Storeme | NET | 0.20 | .mga. | 200 5/6/2016 9/38/32 PM | Right | | |
| inn-Butyloanzone | ND | 0.20 | mak | 200 J/6/2016 0:38:32 PM | R32659 | | |
| 1,1,1,2-Tetrachioroethane | ND | 0.20 | mgit | 200 3/8/2016 9:38:32 PM | R02059 | | |
| 1.1.2.2-Tetrachloroethane | ND | 0.40 | mal | 200 3/8/2016 9:38:32 PM | R32659 | | |
| Tatract/orceching (PCE) | NO | 0.20 | mg/L | 200 3/8/2016 9:38:32 PM | R32656 | | |
| Vans 1.2 DCE | NO | 0.20 | mat | 200 3/8/2016 8:38:32 PM | R32650 | | |
| trans-1.3-Dicheroproses- | ND | 0.20 | mail. | 200 3/8/2016 9:38:32 PM | R32655 | | |
| 1.2.3-Trichtorobenzene | NO | 0.20 | mal | 200 M8/2016 9 38/32 PM | R32050 | | |
| 1.2.4-Trichkinsharmana | NO | 0.00 | Innal | 200 3/8/2016 9:38:32 PM | R32050 | | |

Qualifiers:

Yular exceeds Maximum Constantiant Level.
 D Sample Diloted Due to Marix
 H Hishling times for propertiest or androjus research
 Host Descend at the Reporting Limit
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 Sie Recovery installe of energe data to dilotion or matrix

B Audyn dwscaf in the associated Method Black
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 Audyn dwscaf Medio quantitation Britist
 Page 2 of 6
 Reporting Determine Data
 W Sample constitute Importance is sof of familia expectation

| Hall Environmental Analysis | Labora | tory, Inc. | 6.4 | Analytical Report Lab Order 1603077 Date Reported: 3/17/20 | 16 | ENERGY | and the state | ABORATORY Prepared by | | L REPO | RT | 16.7175 + Human, MT 977,472.971 rt Date: 03/14/16 |
|---|----------|------------|---|--|------------------|---|--|--------------------------|------------|--------|---|---|
| CLIENT: Souder, Miller and Annocinten Project: Lindreth CS Lafr ID: 1603077-001 | Matrix | AQUEOUS | Collection I | e ID: Lindrein Non Exempt Date: 3/1/2016 11:54:00 AM Date: 3/2/2016 7:00:00 AM | | Client: Project: Lab IO: Client Sample I | Not Indicated B16030406-001 ID: 1603077-001C Lindreth | Non Exempt | | | Collection DetsRev | n Date: 03/14/16 n Date: 03/01/16 11 (4 selved: 03/03/16 Matrix: Aqueous |
| Analyses | Result | PQL Qua | I Units | DF Date Analyzed | Batch | 100 | | | | | MCL/ | 11.555.54 |
| EPA METHOU 82008: YOLATILES | | | | Analys | AG | Analysee | | Result Units | Qualifiers | RL | QCL Method | Analysis Date / By |
| 1.1.1-Trictlocostrans | 6iD | 0.99 | mgik | 200 J/0/2016 9.38 32 PM | R32659 | METALS, TOTA | AL | | | | | |
| 1,1,2-Trichloroelium Inchloroelinene (162,1 | HD ND | 0.20 | mg/L mg/L | 200 3/8/2016 9:38:32 PM 200 3/6/2016 9:38:32 PM | R32659 | Antenio | | ND mg/L | | 0,1 | SW60108 | 03/06/18 12:51 / Hh 03/06/16 12:51 / Hh |
| Trichloreliss/attet/www. | ND | 0.20 | mgn | 200 3/6/2016 8:38:32 PM | R32659 | Barlism | | ND mg/L | | 0.5 | 2W6010B | 03/08/16 12:51 / rth |
| 1,7.3-Trichloropingove | ND | 0.40 | mal. | 200 3/8/2016 9 38:32 PM | R32650 | Cleomium | | NO mg/L | | 0.1 | EW6010B | 0505/16 12:51 / r/h |
| Vinyi chioride | ND | 0.20 | mgit. | 200 3/6/2016 9:38:32 PM | R32657 - | Lood | | ND mga. | | 9.1 | 57/00108 | 05/08/16 12:51 / m |
| Xylenes, Total | 0.88 | 0.30 | mgL | 200 3/8/2016 9:38:32 PM | R32659 R32659 | Meroury | | 0,076 mg/L | | 0.002 | SW7470A SWR0198- | 03/08/16 16:29 / ser 03/05/16 12:01 / nh |
| Sum 1.24Xchlander ann-d4 Sum 4 Brambfluoroberoene | 100 | 70-130 | WRUC SHRUC | 200 3/8/2016 9:38:32 PM 200 3/8/2016 0:38:32 PM | R32655 | Sirver | | ND MOL | | 0.07 | SW0010B | 05/08/16 12:51 / 19 |
| Sun: Denomofluoronethane | 104 | 70-130 | %Rar: | 200 3/6/2016 E-35-32 PM | R32659 | | | | | | | |
| Sur: Toluene-dE | 115 | 70-130 | TLHIC: | 200 IM6/2016 9/38-32 PM | RAZION | | | | | | | |
| | | | | | | | | | | | | |
| Refer to the QC Summary report as | | | | lots and preservation informate | | | | | | | | |
| Qualifiers: * Value exceeds Maximum Co D Sample Diduted Due to Matr | | | E Value ab 1 Analyte d 0 Kample p | tetected in the associated Mathed Blan ove quantitation range Interted below quantitation limits p ith the fin Range g Detection Limit | | | RL - Analyte reporting limit. QCL - Quality control emit. | | | | dosum contaminant lav dojecijeci of the reported | |

| hroject: Not in Anakyte Wathout: SWA Avenic SWA Avenic Content Silver Silver Silver Silver Caromium Lead Bahriman Charmém Lead Bahriman Silver Charmém Silver | W1010B 28 8A | Court Result 7 Initial Calibratic 0.912 0.912 0.7740 0.900 0.9744 0.000 0.784 8.900 0.7740 0.922 7 Interference C1 0.0133 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 0.00248 | Units most mgit mgit mgit mgit mgit mgit mgit mgi | 0 10 0.10 0.010 0.050 0.050 0.050 0.010 0.00 | SREC Lo 101 97 100 98 101 100 98 98 | w Limit M 90. 90 90 90 90 90 90 | Work ligh Limit Aok 110 110 110 110 110 110 | rt Date: 03/14/16 Cirder: B16030408 RPD RPDLImit Qual Neal Rum ICP203.B_16030A .com//16 08:90 03/08/16 09:54 |
|--|---------------------------|--|---|---|---|--|---|---|
| roject: Not in Vaskyte Method: SW8 belto: QCS Veetic Swamm Jaurmon Jau | Indicated Web108 28 | Count Result 7 Indial Calebraty 8917 9774 9774 9770 9770 9392 7 Interference CT 8.0153 9.00264 9.0024 9.00 | on Varification mark mark mark mark mark mark mark mark | n Elandard 0.10 0.10 0.000 0.000 0.000 0.10 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000000 | 101, 97 96 101 103 98 | 90- 80 90 90 90 90 | Work ligh Limit Aok 110 110 110 110 110 110 | k Order: B16030406 RPD RPDLImit Oual Areal Run ICP205.B 160306A C3000/16 09 90 0300916 09:54 |
| Avaitytes Alethodt, SWA Alethodt, SWA Alethodt, SWA Veenic Savarmum Shornium And Savarmum Shornium Shornium Sharen Savarmum Sharen Savarnium Savar | W1010B 28 8A | 7 Indial Califience 912 9774 9774 9784 9786 9786 9786 9786 9786 9786 9710 9786 9710 9786 9710 9786 9710 9786 9710 9710 9710 9710 9710 9710 9710 9710 | on Varification mark mark mark mark mark mark mark mark | n Elandard 0.10 0.10 0.000 0.000 0.000 0.10 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000000 | 101, 97 96 101 103 98 | 90- 80 90 90 90 90 | Anal 110 110 110 110 110 110 | Neal Rum ICP203-8_160308A .03074/16 08 90 03/08/16 09:54 |
| Atethodi: SWi 2010: QCS Veenic Senum Searnisen Chomium Silver Sil | 54 | 0 917. 0.774 0.700 0.764 0.600 0.764 0.080 0.032 7 Interference CI 0.00248 0.00048 0.00048 7 000248 7 000248 0.00048 7 000248 0.000 | molt mg/t mg/t mg/t mg/t mg/t mg/t mg/t mg/ | 0.10 0.10 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.010 0.010 0.010 0.010 0.010 0.0500000000 | 97 100 96 101 183 96 97 | 80 90 90 90 90 | 110 110 110 110 110 110 | 0308/16 69 50 0308/16 69:54 |
| Ab ID: QCS search of the searc | 54 | 0 917. 0.774 0.700 0.764 0.600 0.764 0.080 0.032 7 Interference CI 0.00248 0.00048 0.00048 7 000248 7 000248 0.00048 7 000248 0.000 | molt mg/t mg/t mg/t mg/t mg/t mg/t mg/t mg/ | 0.10 0.10 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.010 0.010 0.010 0.010 0.010 0.0500000000 | 97 100 96 101 183 96 97 | 80 90 90 90 90 | 110 110 110 110 110 110 | 0308/16 69 50 0308/16 69:54 |
| Veenic Sanaan Augusta Sanaan San | SA | 0 917. 0.774 0.700 0.764 0.600 0.764 0.080 0.032 7 Interference CI 0.00248 0.00048 0.00048 7 000248 7 000248 0.00048 7 000248 0.000 | molt mg/t mg/t mg/t mg/t mg/t mg/t mg/t mg/ | 0.10 0.10 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.050 0.010 0.010 0.010 0.010 0.010 0.010 0.0500000000 | 97 100 96 101 183 96 97 | 80 90 90 90 90 | 110 110 110 110 110 110 | 0308/16 09:54 |
| Sector Sectors | | 0.774 0.400 0.764 0.767 0.592 7 Interference C1 0.0126 0.00048 0.00048 0.00048 0.00048 0.00048 0.00048 0.00048 7.0005-00 7. Interference C2 0.065-00 7. Interference C2 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.10 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000 | 97 100 96 101 183 96 97 | 80 90 90 90 90 | 110 110 110 110 110 110 | |
| Destruction (and Solver and Solver and Solver and Solver and Descent and Desce | | 0.400 0.764 1986 0.797 0.392 7 Interference CI 0.0153 0.00546 0.000546 0.000546 7 00540 7 00540 7 internence CI 0.065 0.0054 0.0055 0.0054 0.00550 0.00550 0.00550 0.00550 0.005500000000 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.010 0.050 0.050 0.010 0.10 0.10 0.10 0 | 100 96 101 165 98 | 90 90 90 90 90 | 110 110 110 110 110 | |
| Chronnium (and) Solver an in the local of the loca | | 0.764 19.605 0.797 0.392 7 Interference 0.153 0.0153 0.00248 0.000480 0.000480 0.000480 7.025-02 7.025-02 7.025-02 7.025-02 0.965 0.0467 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0.050 0.090 0.16 0.010 0.10 0.010 0.010 0.000 0.000 0.10 0.010 0.10 | 95 101 183 98 98 | 90 90 | 110 110 110 | |
| jard Silver Silver Lab ID: ICSJ Anarric Danson Cadmium Cadmium Silver Lead Banhum Silver Chromidim Sakensum Chromidim Silver Silver Sakensum Chromidim Banhum Chromidim Banhum Chromidim Banhum Chromidim Banhum Chromidim | | 9 600 6.797 0.392 7 Interferance CI 0.0135 -0.00268 0.000480 -0.00248 0.000480 -0.00249 7.002-09 7.002-09 7.002-09 5.002-01 0.965 .0.467 | mgit mgit mgit mgit mgit mgit mgit mgit | 0.090 8.10 0.010 A B.10 0.000 0.000 0.000 0.000 0.000 0.000 0.10 5.010 | 101 165 98 97 | 90 90 | 110 | |
| bevenans Silver C. ICSA Anarric Searcan - Control - Searcan - Silver - Silv | | 0.257 0.392 7 Interference CI 0.0153 0.00506 0.00048 0.000480 1.00268 0.000480 1.00268 7.00506 7.00507 7.00507 0.0965 0.467 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 6.16 0.010 A B.10 0.010 0.000 0.050 0.050 0.010 5.010 AB 0.10 | 98 | 90 | 110 | |
| ab ID: CSJ Amarico Exelución Colomitum Chomitum Esel Balentum Silver Cadmium Chomitum Eselución Salver Method: SW Selver Method: SW Selver | | 7 Interference C/ 0.0133 - 002.04 0.00248 0.000480 - 0.0248 - 0.0048 - 0.0048 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | A 0.10 0.010 0.020 0.020 0.10 0.10 0.10 0.10 0.10 | 97 | | | |
| America Bancine Chromelum Lead Baherium Siher Bancin Bancin Chromelum Lead Searetum Silver Method: SW Searetum Salver Method: SW Salver Method: SW | | 0.0133 • 00E-05 • 00E248 0.00048 0.00048 0.00048 7 00E-07 7 interference CI 0.965 0.467 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 2.10 n ic 0.010 1.060 0.10 5.010 0.10 | | 80 | | |
| Anamic Gaussin - Chromeium Lead Bailemium Silver Bailemium Cadmium Cadmium Silver Silver Wethod: SW Ab (ID MB- Ansenic Barlum Cadmium Cadmium Cadmium | | 0.0133 • 00E-05 • 00E248 0.00048 0.00048 0.00048 7 00E-07 7 interference CI 0.965 0.467 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 2.10 n ic 0.010 1.060 0.10 5.010 0.10 | | 80 | | 0300410 09:57 |
| Basum - Cadinium - Cadinium - Chromium - Eadi - Balenium - Cadinium - Chromium - Bashum - Seaenium - Seaenium - Seaenium - Cadinium - Cadinium - Cadinium - Cadinium - | SAB | - 006-05 - 0.0248 - 0.000480 - 8.0221 - 0.0136 - 7.005-05 - 7. Interference CA - 0.985 - 0.467 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 0 010 0.050 0.10 0.10 0.10 0.10 0.10 | | 80 | | 02/06/16 09:57 |
| Cadimium Chroméim Lead Balenium Silver Lab ID: ICSJ Assenic Barkum Chromium Lead Saleanium Silver Wethod: SW Jab (D) MB- Assenic Barium Cadimum Cadmum | SAB | 0.000480 8.6221 9.0136 7.005-05 7. Internetence CF 0.965 0.467 | mg/L mg/L mg/L mg/L mg/L mg/L | 1.060 0.050 0.10 3.010 AB 0.10 | | 80 | - | 03/06/16 09.67 |
| Lead Balenium Silver Lab ID: ICSJ Arsenic Bajum Cadmum Chromium Lead Selenium Silver Wethod: SW Lab ID MB- Arsenic Barlum Cabrenium Chromium Ch | SAB | 0.0221 0.0136 7.005-05 7. Interference CF 0.965 0.467 | mg/L mg/L mg/L mg/L mg/L mg/L | 0.050 0.10 0.010 AB 0.10 | | 60 | - | 03/06/16 09:57 |
| Bakemium Silver Larib BC: ICSA Arsenic Bashum Cadmium Chromium Lead Setemum Silver Method: SW Lab ID MB- Arsenic Barlum Cadmium Cadmium | SAB | 0.0136 7 00E-05 7 Interference CF 0.965 0.467 | nigit. mg/L mg/L neck Sample mg/L mg/L | 0.10 9.010 AB 0.10 | | 60 | | 03/00/16 09:07 |
| Silver Lab ID: ICSJ Arsenic Barkum Cadmium Chromium Lead Setenikum Silver Wethod: SW Lab ID: MB- Arsenic Barlium Cadmium Cadmium | SAB | 7 005-05 7 Interference Cr 0.965 0.467 | mg/L neck Sample mg/L mg/L | 0.10 0.10 | | 60 | | 03/00/10 09:07 |
| Lab ID: 1CSJ Arsenic Barlum Cadmium Chromium Lead Setenkum Silver Method: SW Lab ID MB- Arsenic Barlum Cadmium Cadmium | SAB | 7 interference C2 0.965 0.467 | mg/L | AB 0.10 | | 60 | | 03/06/16 09:57 |
| Arsenic Barlum Cadmum Chromium Lead Secolum Silver Method: SW Lab ID: MB- Arsenic Barlum Chromium | SAB | 0.965 | mg/L. | 0.10 | | 60 | | 03/06/10 09:07 |
| Barlum Cadmium Chromium Lead Setenkum Silver Method: SW Lab ID: MB- Arsenito Barlum Cadmum Chromium | | 0.965 | mg/L. | 0.10 | | 60 | 100 | |
| Cadmum Chromium Lead Setenikum Silver Method: SW Jab ID MB- Arsenic Barium Chromium | | | | 0.10 | | | 120 | |
| Chromium Lead Selectum Silver Method: SW Jab ID MB- Arsenic Barium Cadmum Chromium | | 0.662 | | | 95 | 60 | 120 | |
| Lead Selonium Silver Method: SW Lab ID: MB- Arsenic Barium Cadmium Chromium | | | mg/L | 0.010 | 68 | 68 | 120 | |
| Selectum Silver Method: SW Lab ID: MB- Arsonic Barium Cadmium Chronium | | 0.438 | mg/L | 0.050 | 88 | 80 | 120 | |
| Silver Method: SW Leb ID: MB- Arsonic Barium Cadmium Chronium | | 0.028 | mp/L | 0.050 | 83 | 80 | 120 | |
| Method: SW Lab ID MB- Ansenic Barium Cadmum Chremium | | 0.052 | mg/L | 0.10 | 46 | 80 | 120 | |
| uab ID: MB- Arsenic Barium Cadmium Chevelum | | 0,953 | mg/L | 0.010 | 95 | 60 | 120 | |
| Arsenic Barium Cadimum Chreenium | W6010B | | | | | _ | | Batch: 97382 |
| Barium Cadmium Chromium | B-97181 | 3 Method Blank | | | R | In ICP203- | A800001_B | 03/08/18 12:37 |
| Cadmium Chromium | | NU | mg/L | 0.02 | | | 2 | |
| Chevenium | | 0.0003 | mg/L | 0.0002 | | | | |
| | | NO | mgt | 9,0004 | | | | |
| | | ND | imp/L | 0.003 | | | | |
| Loni | | 0,02 | mg4. | 0.02 | | | | |
| SAIMNINT | | ND | mo/L | 0.02 | | | | |
| Silver | | NO | mg/L | 0.003 | | | | |
| Lab ID: LCS | 05-07382 | 7 Laboratory Co | ntrol Gample | | я | INT ICP203 | 45_100308A | 03/08/18 12:40 |
| Arsenic | | 0.448 | mgA. | 010 | 90 | 90 | 120 | |
| Barium | | 4.88 | mg/L | 0.10 | 89 | 80 | 120 | |
| Cadmium | | 0.232 | mg/L | 0.010 | 93 | 80 | 120 | |
| Chronium | | 0.440 | mgit | 0.050 | 88 | 20 | 120 | |
| Lood | | 0.470 | mpl. | 6 060 | -01 | æ1 | 150 | |
| Selemium | | 0.461 | mgit | 0.10 | 92 | 60 | 120 | |
| Silver | | 0,222 | mpA | 0,010 | 89 | 80 | 120 | |

| | | | Q | | Summary | | | | | | |
|-----------|---|------|-----------------|-----------|----------------|-----------|------------|--------------|-------|---------------------|-----------|
| | Hall Environmental | | | Preparet | r cy canaga, a | IT DIanci | | | | 03/14/16 B150304 | |
| | Not Indicated | Cour | t Rosuit | Units | | ware | and I look | High Limit | | RPDLimit | |
| Anniyte | | Con | a monut | Unital | , AL | WHEE I | Line Lines | ruga caunt | 14.15 | | 1ch: 9738 |
| Method: | SW\$010B | | | | | | | 0-8 160308A | | | 916 13:0 |
| Animatic: | B16030485-0038DR | - 7 | Serial Dilution | form | 17 | | O. | 0 | | 10 | 210 13:0 |
| Racium | | | 0.0549 | mort | 0.050 | | .0 | 0 | | 10 | Ĥ. |
| Cadmium | | | NO NO | mg/L | 0.041 | | 0 | 0 | | 10 | 12 |
| Chromium | | | ND | mort | 0.27 | | 0 | 0 | | 10 | |
| Lead | | | ND | mg/L | 1.6 | | 0 | 0 | | 10 | |
| Gelenium | | | ND | mg/L | 2.0 | | 0 | 0 | | 10 | |
| Silver | | | ND | mg/L | 0.30 | | 0 | 0 | | 10 | |
| ab 10: | B16030465-003EPD | . 7 | Posi Digestice | Distance | Sala | | Bur Inpx | 13-8_1600CEA | | (TMO) | 5/18 13. |
| Arsenic | D TO DO | | 20.8 | mg/L. | 0.35 | 100 | 75 | 125 | | areas | |
| Bárium. | | | - 18.7 | | 0.050 | 68 | 75 | 125 | | | |
| Cadhiasis | | | 9.58 | C San | 0.0085 | 93 | 75 | 125 | | | |
| Chromium | | | 19.4 | mg/L | 0.065 | .04 | 75 | 125- | | | |
| Liked | | | 19.4 | ing/l | 0.33 | 94 | 15 | 125 | | | |
| Selenium | | | 19.9 | mail | 0.41 | .97 | 75 | 120 | | | |
| Saver | | | 19.7 <i>4</i> | mg/L | 0.081 | 85 | 75 | 125 | | | |
| and king | B18030465-003845 | 19 | Sample Matri | Solo | | | Nav KOP2 | A690001_8-00 | | 02/06 | 0110.13 |
| Arsenic | Cond. Inc. Hannel | | 0.703 | mp/L | 0.34 | 141 | 75 | 125 | | | 5 |
| Barium | | | 5.62 | mail | 0.050 | 100 | 75 | 125 | | | |
| Cadmium | | | 0.252 | mg/L | C800.0 | 101 | 75 | 125 | | | |
| Chromium | | | 0.455 | mg/L | 0.053 | 91 | 75 | 125 | | | |
| Lead | | | 0.676 | mgil. | 0.32 | 715 | 75 | 128 | | | 1.00 |
| Selenism | | | 0.298 | mg/L | 0.20 | - 65 | 75 | 125 | | | â |
| Silver | | | 0,320 | mg1. | 0,080 | 128 | 78 | 125 | | | s |
| ab ID: | B10030465-0039MS | 0 7 | Barrole Matri | Spike Dec | Nicale | | Run ICP2 | 03-8_160306A | | 00/00 | 8/16 13 |
| A/senic | | | 0.000 | mort | 0.34 | 165 | 75 | 125 | 17 | 20 | \$ |
| Barium | | | 5.61 | mg/L | 0.050 | 9.8 | 75 | 125 | 2.1 | | |
| Cadminist | | | 0.235 | mg/L | 0.0083 | 94 | 75 | 125 | 85 | | |
| Chrisman | | | 0.474 | mgn. | 0.00.5 | 99 | -75 | 125 | -3.9 | 20 | 17 |
| Lines | | | D EDVI | ma/L | 0.32 | 136 | 75 | 125 | 17 | 20 | 1 |
| Selenium | | | 0.328 | mgA. | 0.20 | 00 | 75 | 125 | 9.0 | | - 1 |
| Silver | | | 0.282 | mgn | 0.000 | 115 | 75 | 125 | 12 | 20 | |

Qualifiers: RL - Analytic redocting limit. N - The weakly concentration was not sufficiently high to calculate a RPD for the sectial distance test.

ND - Not detected at the reporting imit. S. Spike nicovery outside of advisory limm.

ENERGY III Tractor Physic Tractor Data Strategy 25 and 25

QA/QC Summary Report

| | | | | Prepared | by Billings, M | T Brand | th | | | | |
|---------------------|------------------------------------|-------|-----------------|--------------|----------------|---------|-----------|---------------|------|---------------------|------------|
| Client: Project: | Hat Environmental Not Indicated | | | | | | | | | 03/14/18 B160304 | |
| Analyte | | Count | Result | Livits | RL. | - | Low Limit | High Limit | RPD | RPDLimit | Qual |
| Mathou: | EW7470A | | | | | - | | Analytica | (Run | HGCV202-8 | 1603084 |
| Lab ID: | ICV | 1.00 | itial Calibrati | on Venifical | bis Standard | | | | | 03/06 | 16 15:60 |
| Marrison | | | 0.00209 | mgil | 0.00010 | 168 | 80 | i in | | | |
| Mathod: | SW7470A | | | | | | | | _ | Ba | tch: 97453 |
| Lab ID: | MB-97487 | M | ethod Blank | | | | Run: HGCI | 202-8_160306A | | 03/05 | 10 15 55 |
| Mercury | | | ND | mg/L | 4E-06 | | | | | | |
| Lab ID: | LCS-97487 | | Abolatory Co | ittol Gampa | | | Ran: HGC | 202-8_160308A | | 03/05 | 16 15 67 |
| Mercury | | | 0.00205 | mp/L | 0.00010 | 102 | -80 | 120 | | | |
| Lab ID: | 016030101 005CDIL | | oriar Dirution | | | | Run: HOO | 202 B_180308A | | 03/06 | 16 16.03 |
| Mercury | | | 0.000138 | mg/L | 0.00025 | | 0 | 0 | | 10 | |
| Lab ID: | B16030191-005CMS | ŝ | ample Matrix | Solke | | | Rate HGC | 202-E 160300A | | DAND | 16 16 05 |
| Mercury | | | 0.00154 | mg/L | 0.00010 | 70 | 75 | 125 | | | S |
| Lab ID: | B16030191-005CMS | 0 9 | ample Matro | Solve Duri | CM6 | | Ran: HOC | 202-8 100308A | | 03/05 | He 10:07 |
| Moroury | | | 0.00152 | mg/L | 0.00010 | | 75 | 125 | -1.2 | 20 | s |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

| licnt: | Souder, | Miller | and | A880 |
|--------|---------|--------|-----|------|
| | | | | |

| Sample ID 100ng las | Sampi | Type. LC | 5 | Tes | tCode: E | PA Method | 82608: VOL | ATILES | _ | |
|--------------------------------|------------------|------------|-----------|-------------|------------|----------------|---------------------|-----------|-------------|----------|
| Client ID: LCSW | Batch | h ID: R3 | 2659 | | RunNo: 3 | 2659 | | | | |
| Prep Date: | Analysis D | | | | BegNo: 9 | | Units: µg/L | | | |
| Analyte | Résult | POL | | SPK Ref Val | WREC | LowLinit | HoliLinii | NRPD | RPOLIMI | Quel |
| Benzene | 21 | 1.0 | 20.00 | 0 | 103 | 70 | 130 | 100.0 | The section | Satisfie |
| Toluene | 21 | 1.0 | 20.00 | 0 | 105 | 70 | 130 | | | |
| Chlorobenzene | 22 | 1.0 | 20.00 | 0 | 108 | 70 | 130 | | | |
| 1.1-Dichloroethene | 23 | 1.0 | 20.00 | 0 | 115 | 70 | 130 | | | |
| Irichloroethene (TCE) | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.7 | | 10.00 | | 97.0 | 70 | 130 | | | |
| Sur 4-Rromoficenbenzene | 10 | | 10.00 | | 104 | 70 | 130 | | | |
| Sort Disconducementane | 11 | | 10.00 | | 114 | 79 | 130 | | | |
| Sun: Toluene-d8 | 9.8 | | 10.00 | | 98.0 | 70 | 130 | | | |
| Semple ID vab dell | -Samu'i | Vor MI | BLK | Tes | Code E | PA Meillod | 82648. VOL | ATILES | | |
| Client ID: PBW | dulc | 11D RD | 2859 | | iunNo 3 | 2659 | | | | |
| Pran Date: | Arisiyaan | Sele 1 | B/DD1E | 3 | and a | e ante | Linit: pg/l | | | |
| Analyse | Result | POL | SPK value | SPK Ret Val | INREC | LowLimit | HanLint | 16RPD | RPDLimit | Que |
| lenzene | ND | 1.0 | | | - | | | | | |
| loluene | ND | 1.0 | | | | | | | | |
| thylbenzene | ND | 1.0 | | | | | | | | |
| fethyl tert-butyl ether (MTBE) | ND | 1.0 | | | | | | | | |
| 2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 2-Dictricrosoftware (ECC) | ND | 10 | | | | | | | | |
| 2-Dibronoelitane (E-08) | ND | 1.0 | | | | | | | | |
| aphthalene | ND | 2.0 | | | | | | | | |
| Methylnaphthalene | ND | 4.0 | | | | | | | | |
| -Methylnaphthalene cetone | ND | 4.0 | | | | | | | | |
| | ND | 10 | | | | | | | | |
| romobenzene | ND | 1.0 | | | | | | | | |
| romodichioromethane | ND ISET | 1.0 | - | 1 | | | | | | |
| ta cometateo | ND ND | 1,3 | | 4 | | | | | | |
| Butanone | ND | 10 | | | | | | | | |
| -butanone arbon disultide | ND | 10 | | | | | | | | |
| arbon Tetrachioride | ND | 1.0 | | | | | | | | |
| hiorobenzene | ND | 1.0 | | | | | | | | |
| hioroethane | ND | 2.0 | | | | | | | | |
| chloroform | ND | 1.0 | | | | | | | | |
| horomethane | ND | 3.0 | | | | | | | | |
| -Chlorotoluane | ND | 1.0 | | | | | | | | |
| | ND | 1.0 | | | | | | | | |
| Qualifiers: | | | | | | | | | | |
| * Value exceeds Maximum | n Contaminant | Level. | | B Analyte | detected i | n the associa | ted Method Bla | nk | | |
| D Sample Diluted Due to M | fatrix | | | E Value a | bove quan | titation range | 1.1.1.1.1.1.1 | | | |
| ff Holding times for prepar | stine is analysi | is incomis | d | 1 Analyse | disected ? | edaw quanto | patient investory | | Page 4 | of 6 |
| ND Not Desceted at the Repo | | | | P Sample | pH Not ha | Range | | | 1.00 | |
| R RPD outside accepted re | covery limits | | | | ng Detecti | | | | | |
| S % Recovery outside of n | ance due to dilu | tice or m | atrix | W. Steeple | rentain/r | innontakent | in our of linkir as | enerified | | |

WOR. 1603077

17-Mar-16

Qualifiers: RL - Analylis reporting, Iami, S - Spike recovery outside of advisory limits.

| Iall Enviro | onmental | Anal | ysis I | aborat | öry, | Inc. | 1 | | | | | IT-Mar-16 |
|--|-----------------------------|------------|------------|-----------|------|----------|------------|---------------|-----------------|--------------|----------|-----------|
| lient: | Souder, Mill Lindreth CS | | Associa | tco | | | | | | | | |
| roject: | | | _ | | _ | _ | | | | | | _ |
| iample ID vib d | oli - | | Type: ME | | | | | | 1269B: YO | LATILES | | |
| anni IDi PBW | | | HID: RS | | | | tunNo 3 | | | | | |
| rep Date: | A | nalysis C | Date: 3/ | 8/2016 | | S | legNo: 9 | 99268 | Units: µg/ | L | | C. 11 |
| Italyie | - | Ren.il | POL | SPK value | SPK | Ref Val. | MREC | LinkLimit | HighLimit | MRPD | RFDLinii | Que |
| -1,2-DCE | | ND | 1.0 1.0 | | | | | | | | | |
| -1,3-Dichloropropeni | | ND | 1.0 | | | | | | | | | |
| -1,3-chenoropropen 2-Dibromo-5-chioropr | | ND | 2.0 | | | | | | | | | |
| romochloromethane | | ND | 1.0 | | | | | | | | | |
| Critical Critical and | | ND | 1.0 | | | | | | | | | |
| Olitikonbenzena | | ND | 1.0 | | | | | | | | | |
| Diciluctioname | | ND | 1.0 | | | | | | | | | |
| Oklikitberzein | | ND | 1.0 | | | | | | | | | |
| Norocificorometra/ | é- | ND | 1.0 | | | | | | | | | |
| Dichloroethane | 10 A | ND | 1.0 | | | | | | | | | |
| Dichlorovellneme | | ND | 1.0 | | | | | | | | | |
| Dichloropropane | | ND | 1.0 | | | | | | | | | |
| ichloropropane | | ND | 1.0 | | | | | | | | | |
| Dichloropropane | | ND | 2.0 | | | | | | | | | |
| ichloropropene | | ND | 1.0 | | | | | | | | | |
| chlorobutadiene | | ND | 1.0 | | | | | | | | | |
| stanone | | ND | 10 | | | | | | | | | |
| ropylbenzene | | ND | 1.0 | | | | | | | | | |
| propyticiuene | | ND | 1.0 | | | | | | | | | |
| thyl-2-pentanone | | ND | 10 | | | | | | | | | |
| hylene Chloride | | ND | 3.0 | | | | | | | | | |
| tylbenzene | | ND | 3.0 | | | | | | | | | |
| ropylbenzene | | ND | 1.0 | | | | | | | | | |
| Butylbenzene | | ND | 1.0 | | | | | | | | | |
| ane | | ND | 1.0 | | | | | | | | | |
| Butylbenzene | | ND | 1.0 | | | | | | | | | |
| 1,2-1 etrachioroetha | ne | ND | 1.0 | | | | | | | | | |
| 2.2-Tetrachloroetha | ne | ND | 2.0 | | | | | | | | | |
| rachloroethene (PC | E) | ND | 1.0 | | | | | | | | | |
| a-1,2-DCE | | ND | 1.0 | | | | | | | | | |
| s-1,3-Dichloroprope | ini | ND | 1.0 | | | | | | | | | |
| 8-Trichlorobenzene | | ND | 1.0 | | | | | | | | | |
| Trichloroberzane | | ND | 1.0 | | | | | | | | | |
| 1-Trichloroethane | | ND | 1.0 | | | | | | | | | |
| 2-Trichlorosthane | | ND | 1.0 | | | | | | | | | |
| histoenens (TCE) | | ND. | 1.0 | | | | | | | | | |
| hlorofluoromethane | | ND | 1.0 | | | | | | | | | |
| Trahioropropane | | ND | 2.0 | | | | | | | | | |
| alifiers: | | | | | | 1.00 | 1.1 | | | | | |
| Value exceed | s Maximum Cont | aminant | Level. | | ы | Analyte | detected i | n the associa | ated Method B | slank | | |
| D Sample Dilut | ed Due to Matrix | | | | Е | Value al | bove quan | titation rang | NP | | | |
| I Holding times | be preparation a | ranalyse | is causelo | à. | 1 | | | | tain limit. | | Page 5 | 016 |
| D Not Descoud | at the Reporting I | Linet | | | r | Sample | pHI Not h | Range | | | | |
| | accepted recovery | | | | RL | Reportin | ng Detecti | on Limit | | | | |
| S % Recovery o | sutside of range d | ue to dilu | tion or m | atrix | W | Sample | container | temperature | is out of limit | as specified | | |

NO - Noi delected at the reporting limit.

QC SUMMARY REPORT WXXX 1003077 Hall Environmental Analysis Laboratory, Inc. 17-Mar-16 Client: Souder, Miller and Associates Project: Lindrath CS

| Client ID: #BW | | yyan Ant | | | KGUNE EN | | szeen: VOL | ATILES | | |
|------------------------------|------------|----------|-----------|-------------|----------|----------|-------------|--------|----------|------|
| Prep Date: | Analysis D | the 3 | 8/2016 | \$ | ingNo 9 | 99268 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Vinyl chloride | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Surr, 1.2-OxHibirpelTiane-d4 | 10 | | 10,00 | | 103 | 70 | 130 | | | |
| Surr: 4-Bromoliuorobenzene | 11 | | 10.00 | | 108 | 70 | 130 | | | |
| Sur: Dibromofluoromethane | 11 | | 10.00 | | 112 | 70 | 130 | | | |
| Surr: Toluene-d8 | 11 | | 10.00 | | 110 | 70 | 130 | | | |

 Qualifiers:
 *
 Value reveals Maximum Continuent Level

 D
 Sample Ditatal Data is Marity

 II
 Holding tastes for preparations or analysis executed

 No. Decodes as the Asporting Lumi
 N. RPD within genergin Lowery lumities

 S. RPD within genergin Lowery lumities
 S. % Recovery outside of range due to distain or matrix.

B. Analyse detected in the associated Method Hami E. Value adverse quantitations trange Analyse detected backs quantitation limits wamps and root in Kange Reproving Emotional Limit. W. Sample container temperature is out of limit as specified

Page 6 of 6

| Chen: Name. SMA-FARM | Work Order Namper | 1603077 | | Reptive: | 1 |
|---|-------------------------|---------|-----------|------------------------------------|-------------------|
| Records by date AT | 03 02 84 | | | | |
| Loggne By Lindsay Mangin- | 5/2/2015 / 00/00 AM | | Jungo . | | |
| Borgmand By Londany Mangin | 3/2/2016 7:00:01 AM | | Julyilly | | |
| Reviewand By | ostactic | | 10.00 | | |
| Chain of Custody | 0.90-110 | | | | |
| 1 Costably seam in lacit on sample bottes." | . · | 115 | 140 | Nas Presarti w. | |
| 2. Is Chain of Currently competen? | | Yes M | Ma . | Max Transets | |
| 3. How was the sample delivered? | | Courier | | | |
| | | | | | |
| Log In | | | | ted. | |
| 4. Wax as attangs made to cool the same | Shade | Vas W | NAG | Ten | |
| 5. Were all samples received at a tempor | ature of >0" C to 5.0"C | Yes 🖌 | No | NA | |
| 6. Sample(s) in proper container(s)? | | Yes 🖌 | No | | |
| 7 Sofficient sample volume for indicated I | welley? | Ves V | No | | |
| 8 Are samples (except VOA and ONG) pr | roperly preserved? | Yes M | No | | |
| 9 Was preservative acced to boltes? | | Yes | m ¥ | NA | |
| 10 VOA vals have zoro hoazeraco? | | THE N | Hac III | Na: WOA Wate | |
| 11. Were any isotigle containers received | broken? | TES | No M | # at preserved. pottles checked | |
| 12 Dave paperview match Lottle survis? | | Yor a | 141 | for pH. | 117 unless victor |
| (Nute discorpancies on chain of custod | | Vm V | No | Advantant? | 1.1.2 (1.24) |
| 13 Are matrice's conscilly identified on Chil 14, to 8 cloor what analysest were sequelite | | You V | Nes | | |
| 15. Were all boding times able to be mel? (If its, itality customer for authorization | | Yes et | 946 | Checked by: | |
| Special Handling (If applicable) | | | | | |
| 16. Was client tolified of all discorpancies | with this wedge? | Yere | 40 | 145. 9 | |
| Person Notified: | Date | | | | |
| By Whom | Via | eMail | Phone Fax | In Person | |
| Ringe ding | | | | | |
| Client Instructions | | | | | |
| 17. Addsona (miana) | | | | | |

2017 State of New Mexico Distort 1 1625 N. French Dr., Hulton, NM 18540 Form C-138 Energy Minerals and Natural Reson Oll Conservation Division Commen B 1301 W. Grand Avanue, Aronos, NM #1210 Ekanner HI 1000 Rio Brenze Roiel, Autor: NM \$7410 al Resources Oll Conservation Division 1220 South St. Francis Dr. Sunta Fe. NM 87505 Waste Management Facility Oppration (energies shall maintain and make this stick available for Divising imagement Danaet IV 1210 S. Sa. Prancia Dr., Sonia Fe, NM #7305 Santa Fe, NM 87505 REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM, 87401 2. Originating Site: Pump Canyon Compressor Station Location of Material (Street Address, City, State or ULSTR): UL K Section 24 Township 30 North Range 9 West; 36.795082, -107.733534 Source and Description of Waster
 Source: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor skild drams:
 Description: Non Exemptions Water from the compressor skild.
 Estimated Volume 100 ydf (hold) Known Volume too be entered by the operator at the ord of the taut) <u>70</u> y(hold) GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS there by representative or authorized agant for Enterprise Products Operating do bereby I, Thomas Long 1, Thomas Long? - representative to monitorise square in the second state of the se BCRA Exempt: Oil field wastes generated from oil and gas apploration and production operations and are n
 escupi wasic
 Deerane Use Only: Waste Acceptance Frequency Monthly Weekler Per Load RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum anotheris for waste hazardous by sharacterization established in RCRA regulations, 40 CPR, 261 24, 261 34, or listed hazardous waste as defined in 40 CPR, part 261, which is non-hazardous that does not exceed the minimum anotheris for 40 CPR, part 261, another 17, an amendal. This following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate lense) us by 🗆 MSDS Information 🛛 RCRA Hazardous Waste Analysis 🔯 Process Knowledge 📄 Other (Provide description in Box 4) GENERATOR 19.15.26.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS 1. Thomas Long , representative for Enterprise Products Operating authorize to complete Generator Signatore the required testing/sign the Generator Waste Testing Certification. Provide the samples of the oil field-maste have been subported to the pair filter test and tested for shared content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 1915.36 MMAC. The results of the requirements of section 15 of 1915.36 MMAC. The results of the requirements of section 15 of 1915.36 MMAC. The results of the requirements of section 15 of 0.000 mm to the requirement of section 15 of 0.000 mm to the requirement of section 15 of 0.000 mm to the requirement of section 15 of 0.000 mm to the requirement of section 15 of 0.000 mm to the requirement of section 15 of 0.000 mm to the requirement of section 15 of 0.000 mm to the requirement of section 15 of 0.0000 mm to the requirement of section 15 of 0.0000 mm to the requirement of section 15 of 0.0000 mm to the requirement of section 15 of 0.0000 mm to the requirement of section 15 of 0.0000 mm to the requirement of section 15 of 0.0000 mm to the requirement of section 15 of 0.00000 mm to the requirement of section 15 of 0.00 OCD Permitted Surface Waste Management Facility Nume and Paolity Permit #. "Agus Moss, LLC - Permit #: NM-01-009 Address of Facility: SW/4 NW/4 Sociation 2, Towardhip 298, Range Crunch Mers, NM Mathad of Treasment and/or Depend: Exaporation [2010] Treating Plant Landfarm Landfall Other Watte Acceptance Mature: APPROVED DEFINIT DATE LAND PRINT NAME SAPPROVED DEVICE (Must be Maintained As Permanent Record)
PRINT NAME SIGNATURE SIGNATURE SIGNATURE SIGNATURE AND THE PROVE NO.

| HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hidenhomment.com (20) Howken ME : Abacamera, ME : A | DA) 461 10025 PCB19 401 1005 PCB19 14 TC LP 1427 PCB11451 504 11 | bortiaM) B(T3 0.0158) e'HAR walk 0 ARDH A.D.3) priorité | × | Eleo Full Listitup Compands |
|---|---|--|-----------------------|-----------------------------|
| 4801 Mina | (Vino and) I (97 + 3 (ORM / ORG / ORG) | атех + мта | | Remetrics: |
| HERPORT REAL Dependencies Real La jurbur et La 25 Project a | Project Unmainer: Torry Lang / Ash Ley MArzue (183) Sambler Russey U. M. 1504 | Preservative HEAL No. | Uncires Janimes - 001 | Alack Mar 100 |
| Project Name | | | | 1 million |
| (hain-of-Custody Record () シットカー 「いっ」からいと、「Anamateri かっ」、「Anamateria たっ」、「Anamateria たっ」、「Anamateria たっ」、「Anamateria たっ」、「Anamateria たっ」、「Anamateria たっ」、「Anamateria でっていたいたいたいたいたいたいたい ののののでので、 ののののでので、 ののののでので、 ののののでので、 ののののでので、 ののののでので、 ののののでので、 ののののでので、 ののののでので、 ののののでので、 のののののので、 ののののので、 ののののので、 のののので、 のののので、 のののので、 のののので、 のののので、 ののののので、 のののので、 のののののので、 のののので、 のののので、 ののののので、 ののののののので、 ののののののので、 のののののののので、 ののののののののので、 ののののののののので、 ののののので、 のののののののののの | Ash Ite . et actual I () So the Eu . un iller , four C Level 4 (FUI Valdation) C Otron | Sample F | 1 Linkred L Recent | LE all |
| Chain-of-Cust Grant Swy A- Maing Address data | Ash Ish | s) s Mishrix | *74) (S:11) 91-1-3 | a a - |
| Chair Share | DAVIC Portage DAVIC Portage D Standmo Acceptization D NELAP | Date Time | 11:5 | P.146 1737 |



Hall Environmenial Analysis Labora 41401 Hawkins No Allen Albuquerger, VM 87100 TEL 100 485 2975 F.AX: 303-545 4/07 also ware he

Ashley Maxwell Souder, Miller and Associates 401 W. Broadway Farmington, NM 87401 TEL: (505) 325-5667 FAX

RE: Pump Canyon CS

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/16/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited itsta ploase go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the See the sample checknis una or new nam or Custony for mormation regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as necessed, unless otherwise indicated. Lab measurement of malytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cent #AZ0682 - NMED-DWB Cent #NM9425 - NMED-Micro Cent #NM0190

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109 OrderNo.: 1603839

| Hall Environmental An | tory, Inc. | Analytical Report Lab Order 1803839 Date Reported: 3/25/2018 | | | | | | |
|---|------------------------------|--|-------|--|--|----------------------------|----------|--|
| CLIENT: Souder, Miller and Ana Project: Pump Canyon C3 Lab 1D: 1603839-061 | | AQUEOUS | Cul | Dute: 3/1 | D: Pump Canyon Non Exempt http:///2016/1111.00 PM http://2016/7145.00 AM | | | |
| Analyses | Result | PQL Ound | Un | lis | DF | Date Analyzed | Batch - | |
| EPA METHOD 5270C TCLP | | | - | - | | Anniyst | DAM | |
| 2-Mathyphanal | NO | 2700 | -104 | | | 3/17/2010 7:42:15 PM | 245/32 | |
| Sr4-Methylphone/ | ND | 200 | m | | | 3/17/2018 7:42:15 PM | 24302 | |
| Phenol | NO | 200 | | al. | 1 | 3/17/2016 7:42:15 PM | 24307 | |
| 2.4-Dimbrotolamme | ND | 0.13 | | añ. | 1 | S/17/2016 7:42:15 PM | 24302 | |
| Hexachlorobestzerin | ND | 0.13 | 100 | | 4 | 3/17/2016 7:42:15 PM | 24302 | |
| Hexachiovate Codiento | NO | 0.50 | mg | | 1. | 3/17/2016 7:42:15 PM | 24302 | |
| | ND | 3.0 | mg | | 1 | 3/17/2016 7:42:15 PM | 24302 | |
| Neropenzenn | NU | 2.0 | | pl. | 1 | 3/17/2016 7:42:15 PM | 24302 | |
| Pantachiarophanul | ND | 100 | ing | | | 3/17/2016 7:42:15 PM | 24303 | |
| Pyridine | ND | 5.0 | mo | | 1 | 3/17/2016 7:42:15 PM | 24302 | |
| 2.4.5-Trichtsmohenol | ND. | 400 | ma | | 4 | 3/17/2016 7:42:15 PM | 24302 | |
| 2.4.6-Tritthlangitiend | ND | 30 | | | ÷. | 3/17/2016 7 42-15 PM | 24302 | |
| Cresols, Total | ND | 200 | me | | 1 | 3/17/2016 7:42:15 PM | 24352 | |
| Surr: 2-Fluorophenol | 48.5 | 15-124 | | Nec | 1.1 | 3/17/2016 7:42:15 PM | 24302 | |
| Surr: Phenol-d5 | 37.5 | 15-118 | | Rec | 1 | 3/17/2016 7:42:15 PM | 24302 | |
| Sur: 2.4.6-Tribromoolienol | 55.5 | 15-14E | | Raic | 1 | 3/17/2016 7:42:15 PM | 24302 | |
| Surr. Nitrobergene-d5 | 36.4 | 40:5-124 | | Rec. | Ť. | 3/17/2016 7:42:15 PM | 24502 | |
| Surr: 2-Fluorobiphenyl | 81.6 | 35.7-128 | | Rec | 1 | 3/17/2016 7:42:15 PM | 24302 | |
| Sur: 4-Terphenyl-d14 | 54.T | 18.8-115 | | Rac | 1 | 1/17/2016 7:42-15 PM | 24302 | |
| The second | and a | Takar (tak | | and the second | | | | |
| EPA METHOD 7470: MERCURY | | | | | | Analyst | | |
| Maccury | 400 | 0.00030 | 100 | n, | 4 | 3/18/2018 11:02:50 AM | 24317 | |
| EPA 6010B: TOTAL RECOVERA | BLE METALS | | | | | Analyst | MED | |
| Areavic | NET | 0.20 | 100 | a/L | 4 | 3/21/2016 9:08:53 AM | 24322 | |
| Barium | ND | 0.20 | 105 | g/L | 1 | 3/21/2016 9.08.53 AM | 24322 | |
| Cadmium | 0.043 | 0.020 | mg | p/L | 1 | 3/21/2016 9:08:53 AM | 24322 | |
| Childhight | 0.067 | 0.060 | m | a/L | | 3/21/2016 9:08:53 AM | 24322 | |
| Load | 0.089 | 0.050 | ing | p/L | - 1 | 3/21/2016 9:08:53 AM | 24322 | |
| Selenium | ND | 0.50 | mg | p/L | 1 | 3/21/2016 9:08:53 AM | 24322 | |
| Silver | ND | 0.050 | - 000 | J. | 1 | WP1/2016 9:08:53 AM | 24322 | |
| EPA METHOD 8260B: VOLATIL | ES | | | | | Anatyst | OJF | |
| Ben/ere | ND | 0.20 | nic | 10 | 200 | 3/23/2016 818 35 PM | PE33024 | |
| Tolume | ND | 0.20 | | 20_ | | 3/23/2016 JLOR:35 PM | R33024 | |
| Ethniberizene | ND | 0.26 | m | | 200 | 3/23/2016 8:06:35 PM | R33024 | |
| Methyl tert-butyl ether (MTBE) | ND | 0.20 | m | | 200 | 3/23/2016 8:08:35 PM | R33024 | |
| 1.2.4-Trimemytemane | ND | 0.20 | m | | | 3/23/2015 8 0# 35 PM | R33024 | |
| 1.9.5-TrimatinyBranatina | PHE | 0.20 | | 94. | | 3/23/2016 8:08:36 PM. | R32024 | |
| 1.2-Dichlorgathane (EDC) | ND | 0.20 | m | | | 3(23/2016 8:08:35 PM | R33024 | |
| 1.2-Ditromosthane (EDB) | ND | 0.20 | m | | | 3/23/2016 8:08:35 PM | R31024 | |
| Refer to the QC Summary 1 | | 1000 | | | | | | |
| | | | - | | | | _ | |
| | imum Contaminant Level | | BE | | | he associated Method Blank | | |
| | | - int | | | ove quantita | | | |
| | addression (n. 100 (hor) age | culoi | | J Analyte detected below quantitation limits [Page 1 of] P Sample pH Not in Ranger | | | | |
| | | | | | d Flue hs Ra | | | |
| R RPD outside accept S % Recovery outside | | | RL | reporting | g resection | Land | pecified | |

| CLIENT: Souder, Miller and Associates Project: Pump Canyon CS Lab ID: 1603839-001 | | | Matrix: . | Cilent Sample ID: Pump Canyon Non Exempt Collection Date: 3/15/2016 1/11/00 PM Received Date: 3/15/2016 7:45:00 AM | | | | |
|---|------------|--|--------------|--|------|--------------------------|--|----------|
| Analyses | | | Result | PQL Qual | U U | nits | DF Date Analyzed | Batch |
| EPA METH | OD as | TOLATILES | | | | | Anatys | OJF |
| Naphtralo | 10 | | MOX. | 0.40 | 17 | nañ. | 300 3/23/2016 E-08:35 PM | R9302 |
| 1-Methyma | phihak | 900 | ND | 0.85 | 10 | at. | 200 3/23/2016 8:08:35 PM | R3302 |
| 2-Melhyina | gerriteal | | NO | 0.80 | | DL. | 200 3/23/2016 6 08 35 PM | Raadii |
| Acutone | | | 4.8 | 3.0 | 17 | Jon. | 200 3/23/2016 \$:00:38 PM | R3002 |
| Bromobeczelee | | NO. | 0.20 | 10 | at. | 200 3/23/2010 0.00:35 PM | R3383 | |
| Bromodictioromeinane | | NO | 0.20 | | gi. | 200 3/23/2016 5:08:35 FM | R3303 | |
| Bromoform | | ND | 0.20 | | J.C. | 200 3/23/2016 8:08:35 PM | R3302 | |
| Bromorman | tale ini i | | ND | 0.05 | | iat. | 205 3/23/2016 8.08:15 PM | R3302 |
| 8-Bulanner | | | NIX | 20. | | at. | 200 X/23/2016 8-08-85 PM | R3300 |
| Carbon dis | willin . | | ND | 2.0 | | a/L | 200 3/23/2016 5/08:35 PM | R3303 |
| Carbon 1e | trachio | nde | ND | 0.20 | m | g/L | 200 3/23/2016 8:08:35 PM | FCSSU2 |
| Chlorobena | zene | | ND | 0.20 | m | J.C. | 200 3/23/2016 8:08:35 PM | R3302 |
| Chlorovillus | ini i | | NID. | 94.0 | | ali | 200 3/23/2016 8:08:35 PM | R3303 |
| Chioroform | r - | | ND | 0.20 | | -set | 200 3/23/2010 0:00:35 PM | R0500 |
| Chioromet | hane | | ND | 0.60 | | aL. | 200 3/23/2016 8:08:35 PM | R3303 |
| 3-Chiwold | Aurona I | | ND | 0.20 | | nat. | 200 5/23/2016 5:08:35 PM | R3303 |
| 4-Chlurolo | A comment | | ND | 0.20 | | on. | 200 5/23/2016 8.06:15 PM | R336 |
| 05-1.2-DC | | | ND | 0.26 | | Jak | 200 3/23/2016 8-98:35 PM | R030 |
| cia-1.3-Did | | CORRECT TO A DECISION OF THE PARTY OF THE PA | ND | 0.29 | | 404 | 200 3/23/2016 8:08 35 PM | R330 |
| 1,2-Dibromo-3-childropropune | | ND | 0.40 | | 1.pe | 200 3/23/2016 6:06 35 PM | RIGHT | |
| Dibramach | ioromi | thane | ND | 0.26 | | . for | 200 3/23/2016 8:08:35 PM | R3300 |
| Dibromomethane | | ND | 0.20 | | g/L | 200 3/23/2016 8:08:35 PM | PC3302 | |
| 1.2-Dichlor | obenze | ne | ND | 0.20 | | g/L | 200 3/23/2016 8:08:35 PM | R330 |
| 1.3-Dichloroberceno | | ND | 0.207 | | Non. | 200 3/23/2016 8118/35 PM | 123300 | |
| 1,4 Dishkrobortzono | | ND | 0.20 | mp/L | | 200 3/23/2016 8:08:35 PM | Pc3303 | |
| Dichlorodif | luorom | ethane | ND | 0.20 | | J.L | 200 3/23/2016 8:08:35 PM | R330 |
| 1.1-Dichlor | oethar | 0 | ND | 0.20 | mg/L | | 200 3/23/2016 8:08:35 PM | R330 |
| 1.1-Dichlor | oether | 0 | ND | 0.20 | | a/L | 200 3/23/2016 8:08:35 PM | R330 |
| 1.2-Dichlor | | | ND | 0.20 | | ng/L | 200 3/23/2016 8:08:35 PM | R3303 |
| 1,3-Dichior | | | NU | 0.20 | | g/L | 200 3/23/2016 8:08:35 PM | R.S.SU. |
| 2.2-Dichlor | | | ND | 0.40 | | ng/L | 200 3/23/2016 8:08:35 PM | R330 |
| 1.1-Dicision | | | NO | 0.20 | | ng/L | 200 3/23/2016 8:08:35 PM | R330 |
| Intexachioro | | | ND | 0.20 | | NJ/L | 200 3/23/2010 0.00.35 FM | 76550 |
| 2-Hexanon | | | ND | 2.0 | | ng/L | 200 3/23/2016 8:08:35 PM | R330 |
| higotoyib | | | ND | 0.20 | | na/L | 200 3/23/2015 8:08:35 PM | R330 |
| 4-taoptopy | | | NO | 0.20 | | aL. | 200 3/23/2016 8108 35 PM | RECIT |
| 4-Mellovi-2 | | | ND | 2.0 | | U/L | 200 3/23/2016 8:08:35 PM | R330 |
| Mailtylaine | | | NO | 0.60 | | ng/L | 200 3/73/2014 R:08:35 PM | RODIO |
| in Butylewa | | | ND | 0.60 | | Hg/L | 200 3/23/2016 8/08:35 PM | R3302 |
| Refe | r te th | e OC Summary report on | d semule log | in checklist for | Haes | red OC a | late and preservation informatio | n. |
| Unalifiers: | | Value exceeds Maximum Co | | | в | | detected in the associated Method Blasi | |
| A summer de | D | Sample Diluted Due to Matri | | | E | Value al | www.mantitation.mnme | |
| | H | Holding times for preparation | | | | Analute | detected below quantitation limits Pa | 14.14 |
| | ND | Not Denoted at the Reporting | | | T. | Remain | old Nea ba Ranger | go 2 6f |
| | R | RPD outside accepted recover | | | RL | | g Desection Linui | |
| | 5 | To Recovery sounde of range | | in malma | w | | containin températine is out of limit as o | nontion. |

Analytical Report Lab Order 1683839

| QC SUMM | AV487 | 1403839 35 Mar 16 | | |
|---------------------------------|--|--|--|-----------|
| Client: Project: | nmental Analysis Laborato Souder, Miller and Associates Pump Canyon CS | J. Inc. | | 23-Mac-19 |
| Campte ID rts Client ID: POW | GempType: MBLR Build: D. R33024 | TestCode EPA Method 82008. VOLATILE3 RunNo: 33024 | | |

| | Caroptei ID 10 | GempTy | se MB | LR . | TestCo | de EPA Mitlins | REPORT YOU | ATILES | | |
|--------|--|-----------------|----------|---------------|----------------|---------------------|-----------------|--------|---------|---|
| | Client ID: POW | Batch. | 10. RS | 624 | Runt | No: 33024 | | | | |
| | Prep Date: | Analysis Da | ste: 3/2 | 3/2016 | Seq | No: 1013063 | Units: µg/L | | | |
| | Analyte | Result | POL | SPH value SPI | Ret Val | REC LOWLING | HighLimit | - | RPDUmit | |
| | Benzene | ND | 1.0 | | and the second | | | | | - |
| | Toluene | ND | 1.0 | | | | | | | |
| | Etrybenzene | ND | 1.0 | | | | | | | |
| | Methyl leni-bulyl ether (MTBE) | ND | 1.0 | | | | | | | |
| | 1,2,4-Trimethybenzene | ND | 1.0 | | | | | | | |
| | 1,3,5-Trimethylbenzene | ND | 1.0 | | | | | | | |
| | 1,2-Dichloroethane (EDC) | ND | 1.0 | | | | | | | |
| | 1,2-Dibromoethane (EDB) | ND | 1.0 | | | | | | | |
| | Naphthalene | ND | 2.0 | | | | | | | |
| | 1-Methylnaphthalene | ND | 4.0 | | | | | | | |
| | 2-Methylnaphthalene | ND | 4.0 | | | | | | | |
| inter- | strong : | NU NO | 80. | | | | | | | |
| - 1 H | Romospiere | ND | 1.2 | | | | | | | |
| | Bromodichloromethane | ND | 1.0 | | | | | | | |
| | Bromoform | ND | 1.0 | | | | | | | |
| | Bromomethane | ND | 3.0 | | | | | | | |
| | 2-Butanone | ND | 10 | | | | | | | |
| | Carbon disulfide | ND | 10 | | | | | | | |
| | Carbon Tetrachloride | ND | 1.0 | | | | | | | |
| | Chiorobenzene | ND | 1.0 | | | | | | | |
| | Chicroethane | ND | 2.0 | | | | | | | |
| | Chioroform | ND | 1.0 | | | | | | | |
| | Chikaramethane | ND | 3.0 | | | | | | | |
| | 2-Chlorotoluene | ND | 1.0 | | | | | | | |
| | 4-Chlorotoluene | ND | 1.0 | | | | | | | |
| | dis-1.2-DCE | ND | 1.0 | | | | | | | |
| | cis-1,3-Dichloropropene | ND | 1.0 | | | | | | | |
| | 1.2-Dibromo-S-chikropropose | ND | 2.0 | | | | | | | |
| | Devomidationeneitrane | ND | 0.0 | | | | | | | |
| | Devonometiana | ND | 1.0 | | | | | | | |
| | 1,2-Dichlorobenzene | ND | 1.0 | | | | | | | |
| | 1,3-Dichlorobenzene | ND | 1.0 | | | | | | | |
| | 1,4-Dichlorobenzere | ND | 1.0 | | | | | | | |
| | Dichiorodifuoromethene | ND | 1.0 | | | | | | | |
| | 1,1-Dichloroethane | ND | 1.0 | | | | | | | |
| | 1,1-Dichloroethene | ND | 1.0 | | | | | | | |
| | 1,2-Dichloropropane | ND | 1.0 | | | | | | | |
| | 1,3-Dichloropropane | ND | 1.0 | | | | | | | |
| | 2,2-Dichloropropane | NU | 2.0 | | | | | | | |
| | Qualifiers: | 1.25 | _ | | | 102.77 | | | | |
| | Value exceeds Maximu | m Contaminant L | evel. | в | Analyte det | ected in the associ | ated Method Bla | nk | | |
| | D Sample Diluted Due to | | | E | | e quantitation rang | | | | |
| | H Holding times for proye | | inente | | | inited below quant | | | Page 4 | 1 |
| | ND Not Detected at the Kep | | | P | | Not in Kange | | | a nge a | 1 |
| | R RPD outside accepted r | | | RJ | | Detection Limit | | | | |
| | S % Recovery outside of a | | | | | tainer temperature | | | | |

| Hall Environmental Analysis | i Labora | tory, Inc. | Analytical Report Lab Order Jen3839 Dan Reported: 3/25/2014 | | | | | |
|---|----------|--------------|--|--------------------------|---------|--|--|--|
| CLIENT: Souder, Müller and Akaocule Project: Pump Canyon CS Lab ID: 1603839-001 | Matris: | L AQUEOUS | Steel Sample (D; Puni) Canyon Non Exempt Collection Date; 3/15/2016]; [1:00 PM Received Date: 3/16/2016 7:45:00 AM | | | | | |
| Analyses | Besult | PQL Qual | Units | DF Date Analyzed | Batch | | | |
| EPA METHOD 82898: VOLATILES | | | | Analyst | DJF | | | |
| vi-Propylben/ene | ND | 0.20 | Jam. | 200 3/210/016 a Da 35 PM | 833024 | | | |
| toc-Bubybenzenii | ND | 0.20 | mon. | 200 3/23/2016 6:08:35 PM | R25324 | | | |
| Styrene | ND | 0.20 | mg/L | 200 3/23/2016 8.08.35 PM | R33024 | | | |
| tert-Butylbenzene | ND | 0.20 | mg/L | 200 3/23/2016 8:08:35 PM | R33024 | | | |
| 1,1,1,2-Tetractilocoethane | ND | 0.20 | mat. | 200 3/23/2016 6:08:35 PM | 835124 | | | |
| 1,1,2,2 Tetrachloroothane | ND | 0.40 | mgiL | 200 3/23/2016 8:08:35 FM | R83024 | | | |
| Tetrachloroethene (PCE) | ND. | 0.20 | mg/L | 200 3/23/2016 8:08:35 PM | R33024 | | | |
| trans-1,2-DCE | ND | 0.20 | -mon. | 200 3/23/2016 6:06:35 PM | R35024 | | | |
| iranu-1.3-Dichice automan | ND | 0.30 | ingit. | 200 3/23/2016 8/06.35 FM | R33024 | | | |
| 1.2.3-Trichkinbergere | ND | 0.20 | mgtfL. | 200 3/23/2018 8:08:35 PM | R33024 | | | |
| 1,2,4-Thchiorobenzene | ND | 0.20 | mg/L | 200 3/23/2016 8:08:35 PM | R33024 | | | |
| 1,1,1-Trichloroethane | ND | 0.20 | mg/L | 200 3/23/2016 8:08:35 PM | R33024 | | | |
| 1,1,2-Trichlexcelhenw | ND | 0.20 | mg/L | 200 3/23/2016 8:06.35 PM | R33024 | | | |
| Trichloroethene (TCE) | ND | 0.20 | mg/L | 200 3/23/2010 8:08:35 PM | R\$5024 | | | |
| Trichlorofluoromethane | ND | 0.20 | mg/L | 200 3/23/2016 8:08:35 PM | R33024 | | | |
| 1.2.3-Trichleropranum | ND | 0.40 | myst. | 200 3/23/2018 8:08:35 PM | Ff33024 | | | |
| Vinyl etilonde | ND | 0.20 | mgit | 200 3/23/2016 8:08:05 PM | 1233024 | | | |
| Xylimines, Titelia | NO | 0.30 | mg/L | 200 3/23/2016 8:08:35 PM | R33024 | | | |
| Eur 1.2-Dichlorailhame-dA | 94.2 | 70+130 | S/Rin; | 200 3/2//2016 8 DB35 PM | H33074 | | | |
| Sum: A-Bromo/fuorobergame | 104 | 70-130 | SARAKI | 200 3/23/2016 8:08:35 PM | FI33024 | | | |
| Sur: Dibromatureomatheme | 98.6 | 70-130 | %Rec | 200 3/23/2016 8:08:35 PM | R3302# | | | |
| Sun: Toluene-d8 | 99.1 | 70-130 | %Rec | 200 3/23/2016 8.08.35 PM | R33024 | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

 to the QKS Summary Propert and sample login shocklist for flagged QC data and preservation information.

 * Vide exceeds Maximum Contaminet Levit.
 B

 D Sample Dhalo be to Marin
 E

 B
 E

 Multiple detected be to Marin
 E

 M
 Finite above quantitation range

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 Hubbles lists for preparation or scalarity recorded

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Analysis accessing and a second second second second second second and second sec

QC SUMMARY REPORT AVER. -----Hall Environmental Analysis Laboratory, Inc. 13-Mar-In

| e in i | | | al fa | - | - | 1.0.0 | George Cont | | _ | |
|--|--------------|----------|-----------|-------------|------------|----------------------------------|---------------|--------|----------------|------|
| Sample ID rb | | Type: M | | | | | 6209B. VDL | MILES | | |
| Client ID: PBW | Eato | 6.10 R | 13024 | - | RuniNo: 3 | 3024 | | | | |
| Prep Date: | Analysis [| Date: 3 | 23/2016 | 1 | SeqNo: 1 | 013063 | Units: µg/L | | | |
| Analdyst | Result | POL | SPK value | SPK Rat Val | BREG | LowLinit | HighLimit | %RPD | RPDLmit | Qual |
| 1,1-Dichloropropene | ND | 1.0 | | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | | | | | | | | |
| 2-Hexanone | ND | 10 | | | | | | | | |
| sopropylbenzene | ND | 1.0 | | | | | | | | |
| 4-Isopropy/toluene | ND | 1.0 | | | | | | | | |
| I-Methyl-2-pentancne | ND | 10 | | | | | | | | |
| Vethylene Chloride | ND | 3.0 | | | | | | | | |
| n-Butylbenzene | ND | 3.0 | | | | | | | | |
| -Pirpylowszawe | NO | 3.0 | | | | | | | | |
| -caulybermen | ND | 1.0 | | | | | | | | |
| Styrene | ND | 1.0 | | | | | | | | |
| ert-Butyloenzene | ND | 1.0 | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2,2-Tetrachkoroethane | ND | 2.0 | | | | | | | | |
| Tetrachloroethene (PCE) | ND | 1.0 | | | | | | | | |
| rans-1,2-DCE | ND | 1.0 | | | | | | | | |
| rans-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 2,3-Trichloroberzene | ND | 1.0 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,1,1-Trichlotoethang | ND | 1.0 | | | | | | | | |
| 1.9.Tichimethere | ND | 50 | | | | | | | | |
| Trichloroethene (TCE) | ND | 1.0 | | | | | | | | |
| Trichlorofluoromethane | ND | 1.0 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2.0 | | | | | | | | |
| Vinyl chloride | ND | 1.0 | | | | | | | | |
| Kylenes, Total | ND | 1.5 | | | | | | | | |
| Sur: 1,2 Dimonettune-ol- | 9.4 | | 10.00 | | 94.3 | 70 | 130 | | | |
| Sur 4.Botokoponani | 11 | | 10,00 | | 114 | 70 | 130 | | | |
| Sur Disconfluomenane | 0.0 | | 10.00 | | 97.6 | 10 | 190 | | | |
| Sur: Toluene-d8 | 9.9 | | 10.00 | | 99.1 | 70 | 130 | | | |
| Sampie ID 100mg les b | Samp | iyon: La | 15 | Ten | Code E | PA Method | AZTALE: VOL | ATELES | | |
| Client ID: LCSW | | NID R | | | NinNo 1 | | | | | |
| Prep Date: | Anatypes 1 | | | | SegNo: 1 | | UNTE HOT | | | |
| Contraction of the second seco | | | | | | | (| | | 100 |
| Anniyin | Wanut | POL | | SPK Ret Va | MAREC | | HighLimit | SRPD | INPOLINIE | Quei |
| Tokuene | 32 22 | 1.0 | 20.00 | 0 | 110 | 70. | 130 | | | |
| Dhiorobenzene | 22 | 1.0 | 20.00 | 0 | 109 | 70 | 130 | | | |
| umorocenzono | 21 | 1.0 | 20.00 | 0 | 105 | 70 | 130 | | | |
| Qualifiers: | | - | - | | | | | | | |
| Value exceeds Maximur | Contentioner | Long. | | D Auctor | distante 1 | a the superior | nd Method The | | | |
| | | Area. | | | | | | | | |
| | | | | | | | | | | |
| Sample Distand Date to N Holding times The prepare | | | | | | titation catego where quantic | | | Page 5 | 04 |

OC SUMMARY REPORT

 Clickit:
 Soudor, Millic and Associates

 Project:
 Pump Canyon CS

 Bangla ID MB Seat?
 Gene/Type: MOL/C

 Camil ID, PBW
 Bairo ID: 24312

 Prop Dam: 3/H7/2016
 Analysis Dele: 3/H2016

Clicut:

Analyte Mercury

Sample (D LCS-24317

Prop Dete: 3/17/2018

Analyse Mercury

Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates

SamoType. LCS

Batch ID: 24817 Analysia Dale: 3/18/2018

NUL NR Drosody i proposty from Napavity James R. 2020 particle reported recovery limits S. Wit Drovery onside of trages due to dilution or matrix W. Steppe container tragestructure is on of limit as specified

TestCode: EPA Method 7478 Mercury RumNo: 32894 SegNo: 1008338 Unic. mg/L

TestCode: EPA Milliod 7470: Mercury

Retuil POL SPK value SPK Ref Val V.REC LowLimit HighLimit NRPD RPDLimit Oaail ND 0.00020

Burths 33894 Sinche 1002330 Units angl

 Result
 POL
 SPK value
 SPK Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Guist

 0.0051
 0.00020
 0.005000
 0
 102
 80
 120

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Clients Souder, Miller and Associates

| Project: Pump | Canyon CS | | | | | | | - | | |
|----------------------------|-----------|----------|----------|------------|----------|-----------|-------------|--------|--------|------|
| Sample ID 100ng las b | Samp | Type: LC | :8 | Too | Cure E | PA Method | 82608: VOL | ATILES | | |
| Client ID: LCSW | Bato | hID: R3 | 3024 | F | RunNo: 3 | 3024 | | | | |
| Prep Dala | Analysis | im 3/ | 23/2016 | 1 | SeqNo: 1 | 913064 | Units: µg/L | | | |
| Analysi | Result | POL | SPK WALK | SPR Ret VM | WREC. | LowLimit | HolLint | D3BH | RPDUMT | Quil |
| 1,1-Dichloroeimene | 21 | 1.0 | 20.00 | Ū | 107 | 70 | 130 | | | |
| Trichloroethene (TCE) | 22 | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| Sur: 12-Dichloroethane-64 | 10 | | 10.00 | | 101 | 70 | 1:00 | | | |
| San: 4-Bromo/Lorobenzenc | 11 | | 10.00 | | 110 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 11 | | 10.00 | | 106 | 70 | 130 | | | |
| Sum Talance dil | 10 | | 10.00 | | 100 | 70 | 120 | | | |

West images

Page 6 of 8

23-Mar-16

- Qualifiers:
 Value exceeds Maximum Consuminant Level.

 D Sample Diluted Date to Marix
 11 Holday truths: for repromiting readysis exceeded.

 ND
 Not Detected at the Reporting Linet

 R
 RPD oxide accepted recovery linets

 5
 % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Nank
 E Value above quantitation range
 J Analyte detected Methor quantitation (limits)
 Composite pill New In Range
 R. Reporting Detection Limit
 W Sample container temperature is out of limit as specified

| | r, Miller and Canyon CS | Associ | atea | | | | | | | | |
|---|--|---|--|------------------|--------------------------------------|----------------------|--------------------------|-----------|--------------|-------|--|
| runp | canyon co | | _ | | | | | _ | _ | | |
| Sample ID MB-24322 | Samp | Туре: М | BLK | Too | iGode: E | PA 6010B: | Total Recover | able Met | ele | | |
| Client ID: PBW | Bat | ch ID: 24 | 1322 | 5 | RunNo: 3 | 2920 | | | | | |
| Prep Date: 3/17/2016 | Analysis | Dole 3 | /21/2016 | 2 | SegNa 1 | 009590 | Units: mg/L | | | | |
| Analyte | Result | PQL | SPK willue | SPK Kel Val | SREC | LowiLimit | Honumit | WRPO | RPDLimi | Clani | |
| Arsenic | ND | 0.020 | | | | | | | | | |
| Barium | ND | 0.020 | | | | | | | | | |
| Cadmium | ND | 0.0020 | | | | | | | | | |
| Chromium | ND | 0.0060 | | | | | | | | | |
| Lead | ND | 0.0050 | | | | | | | | | |
| Selenium | ND | 0.050 | | | | | | | | | |
| Silver | ND | 0.0050 | (| | | | | | | | |
| Sample ID LCS 24322 | Samp | Type La | 09 | Tea | Quade E | PA 00100. | Total Recover | nide Mate | ala . | | |
| | Bak | 11D: 24 | 1322 | | Ruphia 32920 | | | | | | |
| Client ID LCSW | | | 21/2016 | 5 | SegNo: 1 | 009591 | Units: mg/L | | | | |
| Prep Date: 3/17/2016 | Analysis | Date: 3 | 0102012 | | | | | SAPO | RPDLimit | Qual | |
| | Analysis Result | Pol. | | SPK Rel Val | MREC. | LowLimit | HighLimit | 35460 | | | |
| Prep Date: 3/17/2016 | | | SPK velasi | SPK Rul Vai 0 | | LowLimit BO | HighLimit. 120 | SHPD | No Digitita | | |
| Prep Date: 3/17/2016 Analyte | Result 0.48 0.46 | POL | SPK velue 0.5000 | | UREC. | | | 354450 | THE LOCATION | | |
| Prep Date: 3/17/2016 Analyte Anersit Barkan Cadmium | Result 0.48 | PGL 0.020 0.020 0.020 | SPK velue 0.5000 0.5000 0.5000 | 0 | SREC 96.0 | 80 | 120 | SHPD | THE LALINE | | |
| Prep Date: 3/17/2016 Analyte Anerot Barban | Result 0.48 0.46 | PGL 0.020 0.020 0.0020 0.0020 0.0060 | SPIK velaat 0.5000 0.5000 0.5000 0.5000 | 0 | SREC 96.0 92.0 | 80 80 | 120 | 224140 | AT DEPEN | | |
| Prep Date: 3/17/2016 Analyte Anersit Barkan Cadmium | Result 0.48 0.45 0.47 | PGL 0.020 0.020 0.020 | SPIK velaat 0.5000 0.5000 0.5000 0.5000 | 0 0 | UREC 96.0 92.0 93.6 | 80 80 | 120 120 120 | 224140 | IN DEPOS | | |
| Prep Date: 3/17/2016 Analyte Ananae Gadmium Chomium | Result 0.48 0.45 0.47 0.46 | PGL 0.020 0.020 0.0020 0.0020 0.0060 | SPK velaat 0.5000 0.5000 0.5000 0.5000 0.5000 | 0 | NREC 95.0 92.0 93.6 91.5 | 90 90 80 80 | 120 120 120 120 | CAN'S | Nº LADINI | | |

| Qualifiers: • Viahe exceeds Maximum Contaminant Level. D Sample Dihited Dae to Mazix H Malang mms in preparamon m analysis exceeded ND Not Decords at the Reporting Limit: R RPD mails exceeded records records records limits | B Analyte detected in the associated Method Hank E Value above quantitation range J Analyte sizened below quantitations limits P. Sample gll Not in Range R. Renoting Detection Limit | Page 7 of 8 | Qualifiers: • Value ecceeds Maximum Contaminant Level. D Sample Diluted Dae to Marix II. Hedding times for pergradulos os sindynis ecceded. ND No Detected an de Naporting Lane: R. RDD outside accentel accentery limits | B Analyte detected in the associated Method Blank Value above quantitation range Analyte laterend below quantitation famile Complex pld Texts in Range R. Reporting Detection Limit | Page 8 of 8 |
|--|---|-------------|--|---|-------------|

WAN

LOBARS ..

75-Mar-14

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | 777 503 545 8973 | 4901 Harekias N. georgan, N.M. 8110 | Samp | le Log-In Ch | ieck List |
|---|---|--|-------------|-----------------|----------------|
| Client Name: SMA-FARM | Work Order Number: | 1603839 | | ReptNo: | (|
| Received byldate: 1 m | 03/16/14 | | | | |
| Locoed By Anne Thome | 3/16/2016 7:45:00 AM | | an A- | | |
| Completed By Anne Thome Reviewed By: 14 5 11 6 | 3/16/2016 | | an A- | | |
| Chain of Custody | | | | | |
| 1. Custody seals intact on sample bottles | 2 | Yes 🔲 | No 🖸 | Not Present | |
| 2 is Chain of Custody complete? | | Yes 🗹 | N/v 🗔 | Noi Present | |
| 3. How was the sample delivered? | | Courier | | | |
| Log In | | | | | |
| 4. Was an attempt made to cool the same | ples? | Yes 🗹 | No 🗆 | NA 🗆 | |
| 5. Were all samples received at a temper | ature of >0° C to 5.0°C. | Yes of | No 🗆 | INA 🗇 | |
| 6. Sample(s) in proper container(s)? | | Yeq 🐼 | No 🗆 | | |
| 7. Sufficient sample volume for indicated | tesh(s)? | Yes 7 | Na 🗇 | | |
| B. Are samples (exclipt VOA and ONG) p | roperty proserved? | Yes X | No | | |
| 9. Was preservative added to bottles? | | Yes 🗆 | No 🗹 | NA 🗆 | |
| 10.VOA viale have zero Insulapace? | | Tus Z | No 🗔 | No VOA Viele | |
| 11. Were any sample containers received | biokan? | Ves [] | No 🗹 | # of preserved | 2 |
| 12 Does papereors match bottle labels? (Hole discrepancies on chain of patters | - | Ves R | No LL | bottles checked | >12 united ind |
| 12. Are metrices correctly identified on Ch | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Ten 2 | No 🗔 | Adjusted? | NO |
| 14, to it clear what analyses were requeste | and the second | Yes 2 | No \Box | | |
| 15. Were all holding times able to be mell (if no, notify customer for outhorization | | Yes 🕅 | NO D | Checked by: | 23 |
| Special Handling (If applicable) | | | | | |
| 16, Was client notified of all discrepancies | with this order? | Yes 🗆 | No 🗌 | NA M | |
| Person Notified: | Date | | - | | |
| By Whore | Var | aMai [] Ph | one [_] Fex | I In Person | |
| Regarding. | | | | | 1 |
| Client Instructions: 17. Additional remarks: | | 1.1.1.1.1.1 | - Company | a summer | |
| | | | | | |
| 18. Cooler Information Cooler No Temp *C Condition | Sepimber Seal No | Sitel Date | Signat By | | |
| P 1.3 0000 | 165 | | | | |

| Control Description Read of the second Read of the second <th>Proper Management Proper Manage</th> <th>Whether Station Statio</th> <th>Water Duridate State The man Revents the full list's februar Terl</th> | Proper Management Proper Manage | Whether Station Statio | Water Duridate State The man Revents the full list's februar Terl |
|--|--|--|---|
| 0 1 1 | e 5 345 - 75 36 Act 1 av Actor 20 Send 8c av 77 8cm D. Level 4 (Full Valcak D. Level 4 (Full Valcak D. Correct | 1 Her Rughengen Lang | The second of the |
| Chail Subtree | e #: 5- | 13:41 | 1 TA |

2017

| Diarros III 1000 Rio Reserves Road, Annes Niel 87640 Queres PV 1220 S. In. Francis De Santa Fe, 166 97505 | Oil Conservation Division | Window Million Management & Martin Control of | |
|--|--|---|--|
| | 1220 South St. Francis Dr. Santa Fe, NM 87505 | Surface Wante Management Facility Operator and Groweniae abalt painteen and make this documentation available for Djuntum negacritica | e |
| REQUEST F(); Generator Name and Addressy N Albuquerque, New Mexico 87109 | DR APPROVAL TO ACCEPT S ew Mesico Gas Company 7120 Wyuming BLV | OLID WASTE /0, NE, STF, 20 BC-22 | |
| 2. Originating Site: Corto Pipeline p | roject 107"59'3.037"W 36"41'1.844 "N | | |
| 3. Location of Material (Street Addr | esa. City, State or ULSTR): Corto Project 107 | 1959'3.037''W 36°41'1.844''N | |
| Source and Description of Wester (Tyy conducted on X 10,000-gallon storage t | dimitatic uss water from a Municipal Source i anks. | n newly constructed pipe. Analysis was | |
| James Lloyd | Known Volume (to be enternal by the operator at R CERTIFICATION STATEMENT OF WAY tative or authorized agent for New Messico Gas vation and Recovery Act (RCRA) and the US En- waste in (These the appropriate leavailfocation) | STF STATUS s Company do hereby | |
| RCRA Exempt: Oil field wastes nen | waters TC neck the appropriate classification) ensied from oil and gas exploration and productio Waste Acceptance Frequency D Monthly D | | |
| Clumiclenulics established in RCRA man | which is non-heardour that does not exceed the lations, 40 CFR 261,21 263,24, or listed hazardo Scumentation is attached to demonstrate the above | minimum stamlastic for weavy hazardous by | Report Review |
| MSDS Information S RCRA Hazardos | as Waste Analysis 🔯 Process Knowledge 🗖 | Other (Provide description in Box 8) | |
| | STE TESTING CERTIFICATION STATEMI | ENT FOR LANDFARMS | |
| | ative for- ive been subjected to the paint filter test and tests purchants upplicable to landfarms pursuant to Se emonstrate the alowe-described waste conform to | | |
| Transporter: | | | |
| CD Permitted Surface Waste Management | Facility | | |
| Name and Pacifity Permit a: UM7-01-, Address of Facility CORD 360 # | 345 Francisan da marces | | |
| Method of Treatment and/or Disposal: | BHUI | dfill 🔲 Other | Time |
| aste Acceptance Status: | | ust Be Maintained As Perminent Record) | /epr |
| INTNAME CAULE HISTO | TITLE: Seperinter | DATE: 12/12 | CYBE IS Mighway 64, Earts Filter Springs - 65 Metcade |

Analytical Laboratory

Analytical Report

Report Summary Dilem: New Mexico Gas Co. Chain Of Custody Number Samples Received: 12/8/2017 2:40:00PM Job Number: 09137-0065 Work Order: P712019 Project Name/Location: Corto Hydro Test

9t Dalte Hahan

12/12/17

Date:

Walter Hinchman, Laboratory Director

Tim Cain, Quality Assurance Officer

Date: 12/12/17

The results in this report apply to the samples submitted to Environment's Analytical Labors on well were analyzed by accordinger with the chain of causicity document supplied by load, the client, and as low to prove exclusive use only. The results the report we beach on the sample an encounter alives prevent or such clients of the report well and the prevent of the chain or increased in reports. This result is increased and prevent on the sample of Environhol, itse, if you have y quantities regarding the reports. This result is increased and on the sample on control of the result of the same of the same don't measure the control of the result of t

15 Highway 64, Terrenogen, Ale (120) Springt - 65 Mexade Street, Selle 115, Junaego, (3) 81301 Pr

Ph. (395) 672-4615 (7) (395) 672-1865 Ph. (375) 258-6615 (7) (866) 362-1879

Page 1 of 14



| New Mexico Gas Co. F/O. Box 97500 Albupterque NM, 87199-7500 | Project Name: Project Manufer: Project Manufer, | | Corto Hydro Teat 09137-0065 Girtg Ciriliane | Réportéel: 12:Dec-17 15:11 | | | | | | | | |
|--|---|---------|---|-------------------------------|-------------|--|--|--|--|--|--|--|
| | Analyical Report for Samples | | | | | | | | | | | |
| Client Semple ID | Lab Sample ID | Matrix | Sampled | Received | Contaider | | | | | | | |
| Corte Tank #200 | P712019-01A | Aquenus | 12/08/17 | 12/08/17 | Poly 250ml. | | | | | | | |
| Como Tank #3(#) | P712019-02A | America | 12/08/17 | 12/08/17 | Pohr 250mL | | | | | | | |
| Corio Tank #400 | P712019-03A | Aqueous | 12/08/17 | 12/08/17 | Poly 250mL | | | | | | | |
| Corto Tank #500 | P712019-04A | Aqueous | 12/08/17 | 12/08/17 | Poly 250mL | | | | | | | |
| Cortu Tank #600 | P7(2019-05A | Agamou | 12/08/17 | 12/08/17 | Pely 250mL | | | | | | | |
| Corto Tand. #760 | P712019-06A | Aqueous | 12/08/17 | 12/00/17 | Poly 250mL | | | | | | | |
| Conto Tank #800 | #712019-07A | America | 12/08/17 | 12/08/17 | Poly 250ml. | | | | | | | |

Cenvirotech

| New Mexico Gas Co. P.O. Box 97500 Attraquentue IVM, 87199-7300 | Project | Name Number Manager | 0913 | n Hydro Ten 7-0665 Crelator | | | | Reportant 12-Dec-1713 | |
|--|-------------------|---------------------------|---------------|-----------------------------------|----------|--|---------------|--------------------------|---------|
| | | | o Tank # | | | | | | |
| 100 | 1000 | Reporting | | | | | | | 1 |
| Asalys | final . | Lint | Users | Dilation | Bash | Property | Anniyoni | Method | 10des |
| or rush ky | | _ | _ | _ | _ | | | | _ |
| 1 (625°C | 7.59 | | ht over | ¥ | 1/30204 | 31/11/17 13:06 | 12(1/1714-28 | 904SD 9040 C | 101 |
| aste Characteristic | | | | | | | | | |
| asli Pavint | >15 | | °C . | 1. | 1752005 | 121107 | 10/Linit | ASTM | _ |
| cardinety. | Negative | | - | 4 | 1750006 | 1311-17 | 12/12/17 | D93-80a | |
| | 11-20-11-1 | | | 1 | | in the second se | the set | | |
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Page 2 of 14

| Analytical Laboratory |
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| |

| New Mexico Gas Co. P.O. Box 97100 ABsogneration: N3A, 87149-7500 | Projess | Patojous Husselver: | | Conto Hydro Test 09137-0065 Greg Endorce | | | | | 150 |
|--|----------|---------------------|----------|--|-----------|----------------|----------------|-----------------|--------|
| | | | Tank # | 206 | - | | | | |
| | | Reporting | - | | | - | | | |
| Analyte | Reed | Line | Uaro | Dileton | | Perparet | Analyzed | Method | Tiotes |
| Carrashulty | | | | | 201 | | - | | _ |
| H #25°C | 7.55 | | within . | 0 |) TSKODOW | 12/11/17 13:00 | 13/31/17 14:28 | 9045019940 C | |
| Waste Characteristic | | 1000 | - | | | | and and and | 1.2. | |
| Flash Poest | ≥95 | | ¢ | 1. | 1750065 | 12:11/17 | rutinel | ASTH D93-186 | |
| Reactivity | Negative | | THA. | 1 | 1750006 | 12/11/17 | 12/12/17 | | |
| | | | | | | | | | |

Cenvirotech Analylical Laboratory

| New Menice Cas Co. | Project | Nami: | Corio | Hydro Test | | | | | | |
|---------------------------|----------|------------------|------------|------------|--------------|----------------|----------------|------------------|--------|--|
| P.O. Box 97500 | | | | 09137-0065 | | | | | 10 | |
| Albuqueque NM, 87199-7500 | Project | Project Manager: | | | Greg Crebuve | | | | | |
| | | | Tank #4 | | | | | | | |
| | | Reporting | | | | | | 100 | | |
| Analyse | Read | Louis | Unite | Dileose. | Beich | Property | Analyzed | Method | filles | |
| Corresivity | - | | | | | | | - | _ | |
| pH @25°C | 1.55 | | ell United | t | THORE | 12/11/17/13/06 | 12/11/17 14:28 | C C | н | |
| Waste Characteristic | | | | | | | _ | | _ | |
| Plash Point | -95 | | °C. | × |) 750065 | 120(1/17 | 12/12/17 | AST2A D93-10s | | |
| Reactivity | Negative | | N/A | 1 | 1750006 | 12/11/17 | 12/12/17 | | | |

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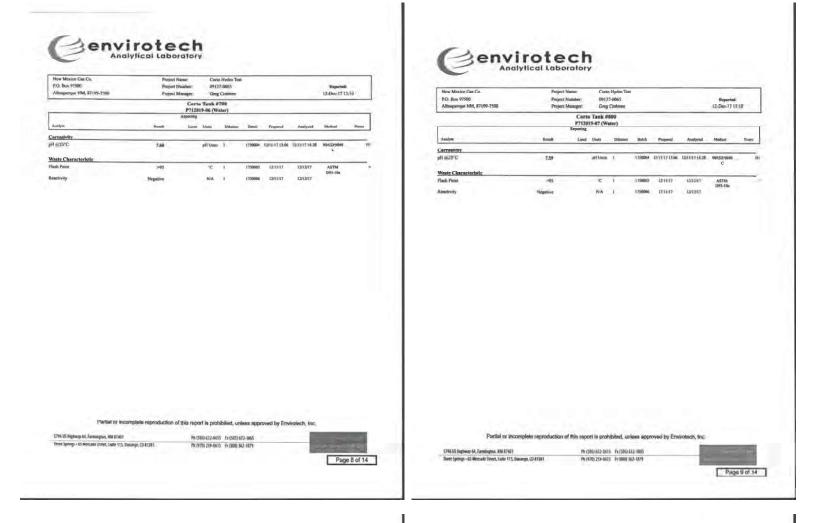
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4



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|----|-----------------------|
| -3 | envirorech |
| - | Analytical Laboratory |

| New Mexico Gas Co. | Pro | ject Name: | C | orto Hydro T | est | | - | | | |
|---|--|--------------|----------|--------------|------------|---------|--------------|----------------|--------|-------|
| P.O. Box 97500 | Pro | ject Hunler: | 01 | 111-0015 | | | | | Report | det |
| Allinguargue NM, 87399-7500 | ompe NM, 87199-7500 Project Masseger, Grag Crabine | | | | | | | 12-Dec 1718-10 | | |
| | | Cerrenty | ity-Qas | lity Cont | (en | | | | | |
| | E | nvirotech. | Analytic | cal Labor | natory. | | | | | |
| | | Reporting | | Spike | Severar | 1.7 | NREC | | RPD | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Linit | Moles |
| Batch 1750804 - Wet Chemistry Preparation | | | | | | _ | | - | _ | |
| LCS (1758804-851) | | | | Prepared d | k Assiyat | H-Dec-1 | 1 | | | |
| -11 14 | 7.96 | | est time | 8.99 | | 99.2 | 20.74.103.25 | | | |
| Duplicate (1750004-00P1) | Sec | ere: P712019 | 101 | Frequence a | k Analyzod | II-De-I | İ | | | |
| pH | 7.59 | 1.00 | pH Units | | 7.59 | | | 0.00 | 20 | |
| | | | | | | | | | | |

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| 1 30 | envirotech |
| 1 35 | invitorecti |
| | Analytical Laboratory |

| New Mexico Gar Ca. EO, Box 97500 Alfsquerque NM, 87199-7500 | Pro | ijert Number ijert Number ijert Managar | 0 | one Blydre T 1137-0065 reg. Crabine | R18 | | | | Report 12-Dec-1 | |
|---|------|---|--------|---|----------------|----------|-------------|-----|--------------------|-----|
| | | nte Charac | | | | | | | | |
| | 6 | avirotech / | thaiyu | cal Labor | story | | | | _ | |
| Amelyne | Kest | Reparing A set | this. | Spile Level | Some Result | MHC | SREC Limits | RPD | 8PD Limit | Net |
| Batch 1750005 - Wet Chemistry Proparation | | | | | | | | | | |
| LCS (1759085-851) | | | | Prepared: | 1-Dec-17 | Analyzed | 2-Dec-17 | | | |
| Flash Point | 115 | | °C | 111 | | 104 | 95-105 | | | |
| LCS Dap (1756085-85D1) | | | | Preparat | I-Dec-17 | Ambred | 2-Dec-17 | | | |
| Flash Front | 112 | | ÷C | 111 | | 101 | 95-105 | 144 | 100 | _ |

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 Ph (S919) 255-6615
 Fr (SB0) 362-8879

Page 11 of 14

| | huquerque NM, 87199-7588 | Project Hame: Conto Hydro Tost Project Hydrobe: 071373-005 Project Manager: Greg Crabere | Reported 12-Dec-17 15:10 | |
|--|---|--|---|--|
| <form></form> | Exceeds upper permit limit Analyte DETECTED Analyte TOT DETECTED at or abor Not Reported Sample results reported on a dry wei | nay kold-sine exceeded for anyir analyse. • en systems fan | | Chain of Clustody Chain of Clustody Chain of Clustody Lab Chy Chain of Clustody Clustody Clustody Clustody Clustody Clustody Clustody Clustody Clustody Clustody Clustody |
| 1. L. L. Seine and Material Stores Address, Chr., Sinte er ULSTR): 1. L. L. Seine and Material Stores Address, Chr., Sinte er ULSTR): 1. L. L. Seine and Material Stores Address, Chr., Sinte er ULSTR): 1. L. L. Seine and Material Stores Address, Chr., Sinte er ULSTR): 1. L. L. Seine and Material Stores Address, Chr., Sinte er ULSTR): 1. L. L. Seine and Material Stores Address, Chr., Sinte er ULSTR): 1. L. L. Seine and Material Stores Address, Chr., Sinte er ULSTR): 1. L. Seine and Description of Waste: 4. Source and Description of Waste: 5. CHINERATOR CHARTICACH CONSTACTACHARTICACH CHARTICACH CHART | 796135 Bilghenry GL Zamegica, NH 1763) Inter Springs - 63 Mercado Store, Luijo 115, Dazan | Pi (26142) 4615 Pi (26042) 1466 A: (0.1391) B: 95(9) 229-4615 Fi (160) 362-1091 | Page 12 of 14 | Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State of New Mexico State of New Mexico Image: State New Maximum Reserves State of New Mexico Image: State New Maximum Reserves State of New Mexico Image: State New Maximum Reserves State New Maximum Reserves Image: State New Maximum Reserves State New Mexico Image: State New Maximum Reserves State New Maxi |
| Constraints and the set of t | PAR RELATION | | Olse on the | |
| ANDERATOR 19.152.66.15 WASTE TESTING CRETIFICATION STATEMENT POR LANDEARMS (Increased and the set of | TAT T | | Line Description Descrip <thdescrip< th=""> Descrip<</thdescrip<> | Location of Material (Street Address, City, Sinte or ULSTR); UL L Section 33 Township 30 North Range 9 Weil; 36,767063,-107,792775, San Juan Cuunty, NM Source and Description of Waste; Severes: Soil imposted with labe oil, motor all or condensate. Description: Non Exercised North Range 9 Weil; 36,767063,-107,792775, San Juan Cuunty, NM Severes: Soil imposted with labe oil, motor all or condensate. Description: Non Exercised North Range 9 Weil; 36,767063,-107,792775, San Juan Cuunty, NM Severes: Soil imposted with labe oil, motor all or condensate. Description: Non Exercised North Range 9 Weil; 36,767063,-107,792775, San Juan Cuunty, NM Severes: Soil imposted with labe oil, motor oil or condensate. Severes: Soil imposted with labe oil, motor Not Range 9, yeil (Jobis) Severes: Soil imposted with labe oil, motor Noture (to be entered by the operator at the end of the hard) yd ¹ /bbls Severes: Soil imposted with labe of the County of the County of the County of the County of the County of the Severes: Soil imposted agent for Enterprise Products Operating do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 19 |
| S. Transporter: To Be Determined Most Schress OCD Permitted Surface Water Management Pacifity None of Pacific Schress Oct Permitted Surface Water Management Pacifity None of Pacific Schress Oct Permitted Surface Water Management Pacifity None of Pacific Schress Oct Permitted Surface Water Management Pacifity None of Pacific Schress Oct Permitted Surface Water Management Pacifity None of Pacific Schress Oct Permitted Surface Water Management Pacifity None of Pacific Schress None of Pacific S | ина цер мода нар. ила сперетор и или сперетор и или сперетор и или сперетор и или сперетор и или сперетор и или сперетор и или сперетор и или или спере | 2 CALL | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Lacatian of Material (Street Address, City, Sinte or ULSTR); UL L Section 33 Tomship 30 North Range 9 West; 36,767863,-107.792775, San Jaan Cuunty, NM . Source and Description of Waste: Source: Soil impacted with labe ail, motor oil or condensate. Description: Non Europy:Nonshipaziona Soil from housekeeping activities. Estimated YolinneB0wd*(big). Known Yolume (to be entered by the operator at the end of the hau))yd*(bbla S |
| Address of Facility's SW4 NW4 Section 2, Township 29N, Range Crouch Mesa, NM | Respond Attention Leb Use Only Table Only <thtable only<="" th=""> Table Only <th< td=""><td>2 CALL</td><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>Lacatian of Material (Street Address, City, Sinte or ULSTR); UL. Section 33 Tornship 30 North Range 9 West; 36,767863,-107.792775, San Jaan Cunnty, NM 4. Source and Description of Waste: formers: Soil imposed with labe oil, noder oil or condensate. Description: Non Exercise/NorthWaste Soil from house/aceping activities. Estimated Yolume_10_ydd (Math). Known Volume (to be entired by the operator at the end of the heal)ydd'/bbbs So GKNERATOR CENTIFICATION STATEMENT OF WASTE STATUS I. Thomas Lange Jack State: Texpresentiative or sutherized agent for Enterprise Products Operating do hardby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 19 regulatory determination, the above described waste is: (Check the appropriate classification) </td></th<></thtable> | 2 CALL | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Lacatian of Material (Street Address, City, Sinte or ULSTR); UL. Section 33 Tornship 30 North Range 9 West; 36,767863,-107.792775, San Jaan Cunnty, NM 4. Source and Description of Waste: formers: Soil imposed with labe oil, noder oil or condensate. Description: Non Exercise/NorthWaste Soil from house/aceping activities. Estimated Yolume_10_ydd (Math). Known Volume (to be entired by the operator at the end of the heal)ydd'/bbbs So GKNERATOR CENTIFICATION STATEMENT OF WASTE STATUS I. Thomas Lange Jack State: Texpresentiative or sutherized agent for Enterprise Products Operating do hardby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 19 regulatory determination, the above described waste is: (Check the appropriate classification) |
| Art and a second a | Little Procession Little Disconsistention Little Disconsistention <thlittle disconsistenti<="" td=""><td>2 CALL</td><td>17 District 1: Calify Park Propriet 124/117 mg 18 District 1: Calify Park Propriet 124/117 mg 18 District 1: Calify Park Propriet 124/117 mg 18 District 1: Calify Park Propriet 1: Calify Pa</td><td> Lacatian of Material (Street Address, City, Sinte or ULSTR); ULL Section 33 Tornship 30 North Range 9 West; 36,767863,-107.792775, San Jaan Cunnty, NM Source and Description of Waste: Searce: Soil imposted with labe ait, motor oil or condensate. Description: Non EuropyPhysikapatodus Soil from bouckeeping activities. Extinuted Volume_10_wdf (Malk). Known Volume (to be entaced by the operator at the end of the hau)]ydf (bbb S GENERATOR CENTIFICATION STATEMENT OF WASTE STATUS Thomas Lange Test</td></thlittle> | 2 CALL | 17 District 1: Calify Park Propriet 124/117 mg 18 District 1: Calify Park Propriet 124/117 mg 18 District 1: Calify Park Propriet 124/117 mg 18 District 1: Calify Park Propriet 1: Calify Pa | Lacatian of Material (Street Address, City, Sinte or ULSTR); ULL Section 33 Tornship 30 North Range 9 West; 36,767863,-107.792775, San Jaan Cunnty, NM Source and Description of Waste: Searce: Soil imposted with labe ait, motor oil or condensate. Description: Non EuropyPhysikapatodus Soil from bouckeeping activities. Extinuted Volume_10_wdf (Malk). Known Volume (to be entaced by the operator at the end of the hau)]ydf (bbb S GENERATOR CENTIFICATION STATEMENT OF WASTE STATUS Thomas Lange Test |

| HALL ENVIRONMENTAL ANALYSIS | Hall Beviewsminial Enalytic Laboratory 400 Elivation NE Maloguerrow, UNE 7700 752, 103-843-8972-843-905-343-400 | Hall Environmental Analy | sis Labora | itory, Inc. | | Analytical Repor Lab Order 1703354 Oute Reported: 3/26 | |
|--|--|--|---------------|--|----------------|---|----------------|
| LABORATORY | Website provide Library and the second second second | CLIENT: Souder, Miller and Associate | 25 | | | le ID: 38-1 BGT | |
| March 28, 2017 | | Project: 5B-1 CS Lab ID: (703354-00) | Matrix: | AQUEOUS | | Date: 3/7/2017 9:35:00 AM Date: 3/8/2017 7:35:00 AM | |
| Ashley Maxwell | | Analyses | Result | POL O | al Units | DF Date Analyzed | Batch |
| Souder, Miller and Associates 401 W. Broadway | | EPA METHOD 7470: MERGURY | | | | Ала | iyat: pmf |
| | | Mercury | ND | 0.00020 | mat | 3/M2017 6 30 41 P | |
| armington, NM 87401 | | EPA 6010B: TOTAL RECOVERABLE | METALS | | | Ána | ivat pmf |
| EL: (505) 325-5667 | | Arsenic | ND | 5.0 | mail | 1 3/10/2017 12:46:30 | |
| FAX (505) 327-1496 | | Banum | ND | 100 | mgL | 1 3/10/2017 12:46:30 | |
| | | Cadmium | ND | 1.0 | mgiL | 1 3/10/2017 12:46:30 | PM 30610 |
| RE: 3B-1 CS | OrderNo.: 1703354 | Chromism | ND | 5,0 | mgiL | 1 3/10/2017 12:46:30 | |
| de. 50-105 | Ordenvol. 1705554 | Land | ND | 6-8 | mgl | 1 3/10/2017 12 46:30 | |
| | | Selection | ND | 1.0 | .Jem | 1 3/10/2017 12:46:30 | |
| Dear Ashley Maxwell: | | Sive | ND | 50 | .Jam | 1 3/10/2017 12:40:30 | |
| AND AND AN AVAILABLE AND AND AND AND AND AND AND AND AND AND | TTAK Y SECTOR STA | EPA METHOD 8270C. PAHS | | | | | ilyst: DAM |
| Iall Environmental Analysis Laboratory received 1 | sample(s) on 3/8/2017 for the | Naphthalene | 1.2 | 0.50 | Jou. | 1 3/17/2017 11:20:07 | |
| nalyses presented in the following report. | | 1-Meihylnschmaisna | ND | 0.50 | LOU | 1 3/17/2017 11:20:07 | |
| | | 2-MetDryinaphthaterre | ND | 0.50 | hBr | 1 3/17/2017 11.20.07 | |
| hese were analyzed according to EPA procedures of | or equivalent. To access our accredited | Acenaphthylene | ND | 0.50 | ug1 | 1 3/17/2017 11:20:07 1 3/17/2017 11:20:07 | |
| mus please go to www.hallenvironmental.com or th | e state specific web artes. In order to | Fluorene. | ND - | 0.00 | Upt. | 1 3/17/2017 11:20:07 | |
| roperly interpret your results it is imperative that yo | | Phananetrume | MD | 0.90 | Vol. | 1 3/17/2017 11:20:07 | |
| ee the sample checklist and/or the Cham of Custod | | Anilicación | ND | 0.50 | ugh. | 1 1/17/2017 11:20:07 | |
| mple receipt temperature and preservation. Data c | | Fluorantheme | ND | 0.50 | Jugit. | 1 3/17/2017 11:20:07 | |
| ovided if the sample analysis or analytical quality | | Pyrene | ND | 0.50 | 104 | 1 3/17/2017 11:20:07 | AM 30649 |
| hen necessary, data qualifers are provided on boilt | | Bonz(swinthrabonn | (NL) | 0.50 | P01 | 1 3/17/2017 11:20:07 | AM 30NIR |
| C summary report, both sections should be review | | Chrysene | ND | 0.50 | 10% | 1 3/17/2017 11:20:07 | |
| | | Benzo(h)/iuman(hene | ND | 0.60 | HSV- | 1 3/17/2017 11:20:07 | |
| ceived, unless otherwise indicated. Lab measuren | | Bonzo(k)/kuonanthene | ND | 0.50 | NOL | 1 3/17/2017 11:20:07 | |
| arameters that require analysis within 15 minutes o | | Benzo(a)pyrene Ditiokit(a,h)antinacene | ND | 0.50 | ug/L ug/L | 1 3/17/2017 11:20:07 | |
| hforme are qualified as being analyzed outside of th | ie recommended holding time. | Benesia h donymor | ND. | 0.50 | Mail. | JV17/2017 11/20/07 | |
| | | Induno(1,2,3-cd)pyram | ND | 0.50 | ugit | 1 3/17/2017 11:20:07 | |
| Please don't hesitate to contact HEAL for any addition | onal information or clarifications. | Sur: N-hexadecane | 45.3 | 15-176 | %Hec | 1 3/17/2017 11:20:07 | |
| | | Surr: Benzo(e)pyrene | 51.0 | 15-198 | %Rec | 1 3/17/2017 11:20:07 | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 | 425 – NMED-Micro Cert #NM0190 | EPA METHOD 8260B: VOLATILES | | | | Ane | ayst RAA |
| | | Bertera | NÖ | 0.55 | mail | 200 3/8/2017 5/05/00 P | |
| incerely, | | Toluond | 0.80 | 0.20 | mgiL | 200 3/8/2017 6:05:00 P | |
| | | Ethylbenzene | ND | 0.20 | ngL | 200 3/8/2017 6:05:00 P | |
| | | Mathyl two-biolyl ether (MTBE) | NO | 0.20 | mat | 200 3/8/2017 6:05:00 P | |
| and | | 1 3 4-Timainyinanzana | NET | 6.593 | mpil | 300 180017 8 05 00 P | |
| and a second sec | | 1,3.5-Trimilhy@serizane | ND | 0.20 | mg/L | 200 3/8/2017 5:05:00 P | |
| | | 1,2-Dichloronthwne (EDC) | ND | 0.20 | ing/L | 200 3/8/2017 6:05:00 P | M H41747 |
| ndy Freeman | | Relier to the QC Summary report | and sample to | gin checklist fe | r flagged QC i | lata and preservation inform | alion- |
| aboratory Manager | | the matter of a state of the | A | | | | |
| | | Qualifiers: Value exceeds Maximum D Sample Diluted Due to M | | o. | | detected in the associated Method I ove quantitation range | Dunk |
| 901 Hawkins NE | | D Sample Dirited Due to M II Holding Users for person | | Interest | T Aminte | detected below quantities limits | a land |
| Albuquerque, NM 87109 | | HD No Desected at the Repo | | and an an an an an an an an an an an an an | B. Sumple | sH Not in Range | Page Lor 10 |
| | | R RPD outside accented rev | | | | g Detection Limit | |
| | | N To Receivery materials of re- | | OF PARTY | | isintainet temperature is out of limit | I as aposition |
| | | the second s | | | | | |

| TEXT. Conder Million and Annual State | | tory, Inc. | | Lab Order 1703354 Date Reported: 1/29/2017 mple 10: 38-1 84/1 | | | | | |
|---|--------|------------|------------|---|---------|--|--|--|--|
| LIEWT: Souder, Miller and Associates rojeet: 3B-1 CS ab ID: 1703354-001 | | AQUEOUS | Collection | le 11): 33-1 54/1 Date: 3/7/2017 9:35:00 AM Date: 3/8/2017 7:35:00 AM | | | | | |
| aalyses | Result | PQL Qual | Units | DF Date Analyzed | Batch | | | | |
| PA METHOD 8260B: VOLATILES | | - | - | Analysi | RAA | | | | |
| 1,2-Didromoethares (EDB) | MO | 0.25 | mid. | 200 3/6/2017 6 05 00 PM | R41247 | | | | |
| Naphinimuma | ND | 0.40 | mpfL | 200 3/8/2017 5:05:00 PM | R41247 | | | | |
| 1-Methyinaphinaiene | ND | 0.80 | mg/L | 200 3/8/2017 6.05.00 PM | R41247 | | | | |
| 2-Methylnaphthalene | ND | 0.80 | molL | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| Accione | NES | 2.0 | mol | 202 3/6/2017 6:05:00 PM | R41247 | | | | |
| Bromobenzens. | ND | 0.20 | .Fem | 200 3/8/2017 6.05:00 PM | 1241247 | | | | |
| Bromodichloromethane | ND | 0.20 | mg/L | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| Bromalarm | NO | 0.20 | mañ | 200 3/8/2017 5 05:00 PM | R41247 | | | | |
| Bromomalhan | ND | 0.00 | ngd | 200 3/8/2017 6 05:00 PM | 1241247 | | | | |
| 2-Butanone | ND | 2.0 | ngl | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| Carbon disulfirm | NET | 2.0 | mail | 200 JJ6/2017 8:05:00 PM | 1941247 | | | | |
| Carthan Thirac longe | NO | 9.70 | mal | 200 3/5/2017 5 05:00 PM | 641247 | | | | |
| Chloropenzene | ND | 0.20 | mal | 200 3/8/2017 5:05:00 PM | B41247 | | | | |
| Chloroethane | ND | 0.40 | mpl | 200 3/6/2017 6:05:00 PM | R41247 | | | | |
| Chieroform | ND | 0.20 | mg/L | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| Chlonmelban | ND. | 0.60 | mol | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| 2. Officerotra and | ND | 0.23 | ingt | 201 5/9/2017 6:05:00 PM | B41247 | | | | |
| 4-Chierdickama | ND | 0.20 | mail | 200 3/6/2017 6:05:00 PM | 1941247 | | | | |
| CIE-1.2-DCE | ND | 0.20 | mat | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| cis-1.3-Dichitoropropene | NET | 0.26 | mot | 209 3/8/2017 6:05:00 PM | B41247 | | | | |
| 1.2-Dihromp.3-chickoppane | ND | 0.40 | mail | 200 3/8/2017 6:05:00 PM | 1641247 | | | | |
| Dibromochlorometriane | ND | 0.20 | mart | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| Dibromomethane | ND | 0.20 | mgit | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| 1.2-Dicziocobergewe | NO | 0.20 | mg/L | 200 3/6/2017 6/05/00 PM | Fi41247 | | | | |
| 1.5-Dichlorobungene | ND | 0.20 | mal | 200 3/8/2017 6/05/00 FM | R41247 | | | | |
| 1.4-Dichlorobenzene | ND | 0.20 | mail | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| Dichlorodifizonynatharm | ND | 0.20 | mail | 200 3/8/2017 6.05.00 PM | 1041247 | | | | |
| 1.1-Ducklessethone | MD: | 0.20 | -mgit | 200 3/8/2017 6:05:00 PM | 1241247 | | | | |
| 1,1-Dickoroidhene | ND | 0.20 | ingit. | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| 1.2-Dichloropropane | ND | 0.20 | mg/L | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| 1.3-Dichloropropane | ND | 0.20 | mg/L | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| 2,2-Dichloropropane | ND | 0.40 | mg/L | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| 1.1-Diohloropropene | ND | 0.20 | mg/L | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| Hexachlorobutadiene | ND | 0.20 | mg/L | 200 3/8/2017 6:05:00 PM | R41247 | | | | |
| 2.Hexanero | ND | 2.0 | mg/L | 200 3/8/2017 8:05:00 PM | B41247 | | | | |
| Incorpt/Winsown | ND | 0.20 | mpl | 200 J/N2017 6 05:00 PM | F41247 | | | | |
| 4-Isocropyliciume | ND | 0.20 | Apres | 200 3/8/2017 8:05:00 PM | R41247 | | | | |
| 4-tsopropyliolabre 4-Methyl-2-pertainoise | ND | 2.0 | man | 200 3/8/2017 6/05:00 PM | HA1247 | | | | |
| 4-Methyl-2-pertanone Methylana Chlerion | ND. | 0.90 | mail | 200 3/6/2017 6/05/00 PM | R41247 | | | | |

- Value exceeds Maximum Commission Level.
 D Sample Diluted Due to Matix
 H Holding times for preparation or analysis exceeded
 D. Vate Heneval at the Reporting E land.
 R RPD usualde accepted recovery limits
 S % Recovery outside of range due to dilution or matir
- B Audyte develet in the susceined Method Black
 E Value above quantitation mage
 Audyte factoral black quantitation (limits page 2. (i) 1)),
 Tomple gl4 Ka is longer
 Reporting Develop Limit
 W Sample container temperature is out of finms as specified.

Lab Order 1703354 Hall Environmental Analysis Laboratory, Inc. Data Reported: 3/28/2017 CLIENT: Souder, Miller and Associates Client Sample ID: 38-1 BGT Project: 38-) CS Lab ID: 1703354-001 Collection Date: 3/7/2017 9:35:00 AM Received Date: 3/8/2017 7:35:00 AM Matrix: AOUEOUS Analyses Reanit PQL Qual Units DF Date Analyzed Batch
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 Date Analyzed
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 EPA METHOD 52605: VOLA n-Euijbancawe n-Propybarczene soc-Burybenzane Styrene ter-Burybenzane Styrene ter-Burybenzene 1,1,2-7 terberborosthane 1,1,2-7 terberborosthane 1,2-2-7 terberborosthane 1,2-2-7 terberborosthane 1,2-2-7 terberborosthane 1,2-3-7 terberborosthane 1,3-7 terberborosthane 1,3-7 terberborosthane 1,3-7 terberborosthane Start 12-0 containedman.-34 Start 12-0 containedman.-34 Start 12-0 containedman.-34 Start 12-0 containedman.-34 EPA METHOD 5260B: VOLATILES 200 3/8/2017 6:05:00 PM 200 3/8/2017 6:05:00 PM 200 3/8/2017 6:05:00 PM 200 3/8/2017 6:05:00 PM 200 3/8/2017 6:05:00 PM 200 3/8/2017 6:05:00 PM 200 3/8/2017 6:05:00 PM R41247 B41247 R41247 111 103 104 R41247 Surr. Diamonilupromynnene Surr. Toluena-dil R41247

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value concords Maximum Communicat Level.
 D Sample Dilated Date to Matrix
 Holding union for properties or analysis strended
 Kein And Descend at the Properties Communication
 R RPD consider acceptor recovery limits
 St. Recovery initiate of range date in adulation in matrix

Analytical Report

- D Analyn discuss is the assessed Mithed Disa.
 D Analyn discuss is the assessed Mithed Disa.
 E Value above quantitation range
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 P Sangbright Nuc In Range.
 Reporting Description Limit
 W Sangde randometry for persister is use of limit as questiond

| Hall Environmen | Y REPO tal Analy | is I | aborat | ory, Inc. | _ | | | | WUE | (703354 38 Mar 17 | |
|---|---|---|-----------|------------------------------------|-------------------------|--|----------------|---------|----------|----------------------|--|
| Ctient: Souder Project: 3B-1 C | , Miller and A | socia | iles | | | | | | | | |
| Sample ID 100ng (ca2 | SempTyp | e Lo | 5 | Tes | Code: El | A Method | exeen; You | ATRES | | 1 | |
| Client ID LCSW | Batch | RA | 1247 | 4 | b SMmo | 1247 | | | | | |
| Prop Days: | Analysis Dat | 0. 3/ | 8/2017 | 5 | sigNo: 1 | 292353 | UNTE HOL | | | | |
| Analyle | Rand | POL | SPK value | SPK Rel Val | WREC | LowLinit | HighLimi | SLRPD | RPDLimit | Quel | |
| Benzene | 19 | 1.0 | 20.00 | 0 | 96.5 | 70 | 130 | | | | |
| Toluene | 20 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | | |
| Chlorobenzene | 21 | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | | | |
| 1,1-Dichloroethene | 21 | 1.0 | 20.00 | 0 | 103 | 70 | 130 | | | | |
| Trichloroethene (TCE) | 19 | 1.0 | 20.00 | 0 | 94.5 | 70 | 130 | | | | |
| Sur 1,2-Oichknonhava-d4 | 9.5 | | 19.00 | | 94.B | 70 | 120 | | | | |
| Surr. 4 BromofiLorobercontr Surr. DibromofiLoromethane | 10 | | 10.00 | | 105 | 70 | 130 | | | | |
| Sur: Tolunia-dil | 10 | | 10.00 | | 102 | 70 | 130 | | | | |
| Sample ID its | SumpTys | e Mi | ILK. | Tes | Code: E | AMethod | 8250B: VOL | ATTLES | | _ | |
| Climitato PBW | Baich | | | | tunito: 4 | | Theorem Bo | 1.00.00 | | | |
| Pray Dawn | Analysin Dist | | 140 | | Loghin 4 | .0.9 | time part | | | | |
| Anatyte | | POL | | SPK Ref Val | | | HighLimit | SRPD | RPDLimit | Out | |
| Benzene | ND | 1.0 | SEA ATOA | SPK HIF Val | SHEG | LOWLINE | engnitumit | 1966-07 | REDUNIT | Over | |
| Toluene | ND | 1.0 | | | | | | | | | |
| Ethyloenzene | ND | 1.0 | | | | | | | | | |
| Methyl wrs-butyl ether (MTBE) | ND | 1.0 | | | | | | | | | |
| 1,2,4-TrimeRyberzons | ND | 1.0 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | | |
| 1,2-Dichloroethwne (EDC). | ND | 1.0 | | | | | | | | | |
| 1,3-Déronseihane (EDG) | ND | 10 | | | | | | | | | |
| Naphinalene 1-Morryfragwinalana | ND | 2.0 | | | | | | | | | |
| Z Michtelma hibalana | ND | 4.0 | | | | | | | | | |
| Acetone | ND | 10 | | | | | | | | | |
| | ND | 1.0 | | | | | | | | | |
| Bromobenzene | ND | 1.0 | | | | | | | | | |
| Bromobenzene Bromodichloromethane | | | | | | | | | | | |
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| Bronodichioromethane Bronolom Brononactiva 2994anont 7 Carbon charton | | 1.0 3.0 10 | | | | | | | | | |
| Bromodichioromethane Bromolom Romonactivas 20jelanom Carbon Telocition Carbon Telocitionda | ND ND ND ND ND | 1.0 3.0 10 10 | | | | | | | | | |
| Bronodchloronethane Bronodorm Bronorone 200 Stratory (Swattlender Chlorobertzene | ND ND ND ND ND | 1.0 3.0 10 10 1.0 1.0 | | | | | | | | | |
| Bromodichloromethane Bromodichloromethane Bromomethuw Styletanof J Carbon Fakadbortski Chirobenzene Chirobenzene Chirobenzene | ND ND ND ND ND ND | 1.0 3.0 10 10 1.0 1.0 2.0 | | | | | | | | | |
| Bronodchloronethane Bronodorm Bronorone 200 Stratory (Swattlender Chlorobertzene | ND ND ND ND ND | 1.0 3.0 10 10 1.0 1.0 2.0 1.0 | | | | | | | | | |
| Bronolichioronethane Bronolichioronethane Brononitowa Brononitowa Carbon (Satashishi Carbon (Satashishi Chirobenane Chirobethane Chirobethane | | 1.0 3.0 10 10 1.0 1.0 2.0 | | | | | | | | | |
| Brandichloonethane Brandom Brandom 2024anni 7 Carlon (Salatika Chlorobenzen Chlorobenze Chlorobenze Chlorobenze | | 1.0 3.0 10 1.0 1.0 2.0 1.0 3.0 | | | | | | | | | |
| Bernofickorrehane Bennolism Bernomiktwick Bernomiktwick Carbon Feasibili Carbon Heaustrikis Ohrobetzene Chorothane 2 Chiorothane 2 Chiorothane 2 Chiorothane | | 1.0 5.0 10 1.0 1.0 2.0 1.0 3.0 1.0 | | | | | | | | | |
| Broncholsonerkane Bronzenstein Stoteano Salako Caron Salako Caron Salako Caron Salako Caronetare Chorothera Chorothera Chorothera Chorothera Chorothera Chorothera Chorothera Saliters: Vale exceeds Maximum | ND ND ND ND ND ND ND ND ND | 1.0 5.0 10 1.0 1.0 2.0 1.0 3.0 1.0 | | | | | red Method Bla | nk | | | |
| Bernodiktorentene Bennslove Bennswerke Bennswerke Bennswerke Bennswerke Die State Bennswerke Carlow fallen Carlow fallen Chronothane Chron | ND ND ND ND ND ND ND ND ND ND | 1.0 3.0 10 1.0 1.0 2.0 1.0 3.0 1.0 3.0 | | E Value a | bove quan | itation range | e | nk | | | |
| Bronchokorenhune Bronchom Bronchom Ganon Shallba Carlon Hausshikk- Chronebrane Chronebrane 2-Chronebrane 2-Chronebrane 2-Chronebrane Walkeres: Walkeres: Bashibers: | ND ND ND ND ND ND ND ND ND ND ND | 1.0 3.0 10 1.0 1.0 2.0 1.0 3.0 1.0 3.0 | | E Value a J Analyte | bove quan detected b | itation range elow quantit | | nk | Page 4 o | ŕ 10 | |
| Bernodiktorentene Bennslove Bennswerke Bennswerke Bennswerke Bennswerke Die State Bennswerke Carlow fallen Carlow fallen Chronothane Chron | ND ND ND ND ND ND ND ND ND ND ND ND ND N | 1.0 3.0 10 1.0 1.0 2.0 1.0 3.0 1.0 3.0 | | E Value a J Analyte P Sample | bove quan | itation range clow quantit Range | e | nk | Page 4 o | r ² 10 | |

| QC SUMMARY REPORT | |
|--|--|
| Hall Environmental Analysis Laboratory, Inc. | |

| Sample ID rb | Samp | Type: M | BLK | Te | atCode. E | PA Method | 82668: VOL | ATILES | | |
|----------------------------|---------------|-----------|-----------|------------|------------|----------------|-----------------|--------|----------|------|
| Client ID: PBW | Batc | hID: R | 1247 | | RunNo: 4 | 1247 | | | | |
| Prep Date: | Analysis I | Date: 3 | 3/2017 | | SeqNo | 292354 | Units: µg/L | | | |
| Analyte | Healt | POL | SPK value | SPE Ret Va | WREC | LOM.mit | HighLimit | %RPD | RPDUmit | Qual |
| -Cnlorotoiuene | ND | 1.0 | | | | | | | | |
| is-1,2-DCE | ND | 1.0 | | | | | | | | |
| is-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 2-Dibromo-3-chloropropane | ND | 2.0 | | | | | | | | |
| Noromochloromethane | ND | 1.0 | | | | | | | | |
| Normarweth www. | ND | 1.0 | | | | | | | | |
| 2-Octambergane | ND | 1.0 | | | | | | | | |
| 3-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| 4-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| Nchlorodifuoromethane | ND | 1.0 | | | | | | | | |
| ,1-Dichloroethane | ND | 1.0 | | | | | | | | |
| 1-Dichloroethene | ND | 1.0 | | | | | | | | |
| 2-Dichloropropane | ND | 1.0 | | | | | | | | |
| 3-Dichloropropane | ND | 1.0 | | | | | | | | |
| 2-Dichloroprocane | ND | 2.0 | | | | | | | | |
| .1-Dichloropropria | ND. | 1.0 | | | | | | | | |
| NORTH CONTRACT | ND | 1.0 | | | | | | | | |
| Havanna | NO | 40 | | | | | | | | |
| sopropylbenzene | ND | 1.0 | | | | | | | | |
| -isopropy/toluene | ND | 1.0 | | | | | | | | |
| Methyl-2-pentanone | ND | 10 | | | | | | | | |
| Aethylene Chloride | ND | 3.0 | | | | | | | | |
| -Buty/benzene | ND | 3.0 | | | | | | | | |
| Propylbenzene | ND | 1.0 | | | | | | | | |
| ec-BulyRemore | ND | 1.0 | | | | | | | | |
| itymete | ND | 1.0 | | | | | | | | |
| erl-Butylbenzene | ND | 1.0 | | | | | | | | |
| 1,1,2-Tetrachloroethane | ND | 1.0 | | | | | | | | |
| 1.2.2-Tetrachloroethane | ND | 2.0 | | | | | | | | |
| etrachloroethene (PCE) | ND | 1.0 | | | | | | | | |
| ans-1,2-DCE | ND | 1.0 | | | | | | | | |
| rans-1.3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 2.3-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 2.4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1.1-Trichlonethane | ND | 1.0 | | | | | | | | |
| 1.2-Trichloroemane | ND | 1.0 | | | | | | | | |
| richloroethene (TCE) | ND | 1.0 | | | | | | | | |
| richlanduorometrune | ND | 1.0 | | | | | | | | |
| ,2,5-Trichloropropane | ND | 2.0 | | | | | | | | |
| Qualifiers: | | - | | | | | | | | |
| * Value exceeds Maximu | m Contaminant | Level. | | B Analy | e detected | in the associa | nied Method Bla | nk | | |
| D Sample Diluted Due to I | Matrix | | | | | titation rang | | | | |
| 1) Holding times for prepa | | is expend | e4 | | | beliw quanti | | | Page 5.0 | f10 |
| | wrting Limit | | | | | | | | | |

WOA PROUSA

28-Mar-17

| Υ. | Tump | lépi | l Nes | Ea : | Linge | |
|----|------|------|-------|------|-------|--|
| | | | | | | |

RPD outside of range due to dilution or matrix
 W Sample container temperature is out of limit as specified

| 354 | QC SUMMAR Hall Environmer | | | | or Inc | | | | | WOR. | 1703354 |
|------|----------------------------------|---------------------|-------------|-----------|--------------|--------------|------------------|-------------|-------|----------|-----------|
| 37 | - | - | - | | ory, Inc. | _ | | | _ | | 28-Mar-17 |
| 1 | Client. Soude Project: 3B-1 (| r, Miller and CS | Associa | ales | | | | | | | |
| | Gample ID ka-56649 | Gerrapi | Type: LS | 15 | Ter | Code: El | A Matina | 82700 PAH | | | |
| | Divint ID: LCSW | Balc | n (D: 30 | NAS. | | anNa: 4 | 1482 | | | | |
| | Prep Date: 3/13/2017 | Analysis (| Date: 3 | /17/2017 | | SeqNo: 1 | 300978 | Units: µg/L | | | |
| 4 K | Analyte | Result | | | SPK Ref Val | | | Honumi | 46RPD | RPOLINIE | Qual |
| | Nathtniew | 18 | PQL 0.50 | | SPIC Het Val | BREC 91.9 | LowLimit 37.4 | 120- | 36690 | RPULINE | COURP |
| | 1.Metty/ruchthalane | 19 | 0.50 | | | 94.5 | 30.3 | 121 | | | |
| | 2-Methylnaphthalene | 18 | 0.50 | | 0 | 88.3 | 37.8 | 122 | | | |
| | Acamaphiliyleme | 19 | 0.50 | | 0 | 95.4 | 37 | 124 | | | |
| 1.2 | Acenaphthene | 20 | 0.50 | | 0 | 98.5 | 35.6 | 123 | | | |
| | Fluorene | 19 | 0.50 | | 0 | 93.9 | 35.2 | 122 | | | |
| | Phenanthrane | 18 | 0.50 | 20.00 | 0 | 89.2 | 38.8 | 122 | | | |
| | Anthracene | 18 | 0.50 | | 0 | 91.3 | 37.5 | 125 | | | |
| | Flattendiane | 18 | 0.50 | 20.00 | 0 | 90.5 | 37.4 | 131 | | | |
| | Pyrana | 10 | 0.50 | 20.00 | 0 | 60.5 | .27.5 | 140 | | | |
| | Benz(a)anthracene | 18 | 0.50 | 20.00 | 0 | 88.1 | 25.4 | 141 | | | |
| | Chrysene | 17 | 0.50 | 20.00 | 0 | 83.5 | 33.6 | 155 | | | |
| | Benzo(b)fluoranthene | 18 | 0.50 | 20.00 | 0 | 89.4 | 39 | 153 | | | |
| | Benzo(k)@uoranthene | 19 | 0.50 | | 0 | 97.3 | 38 | 154 | | | |
| | Benzo(a)pyrone | 18 | 0.50 | | 0 | 07.0 | 36.6 | 153 | | | |
| | Dibenz(a,h)anthracene | 19 | 0.50 | | 0 | 94.0 | 39.7 | 155 | | | |
| | Genzola, n. operatione | 1.0 | 0,50 | | | 80.9 | 39,6 | 154 | | | |
| 1 | indexe(1,2,3-ct)pyrmm | +# | 0.68 | | | 02.0 | 19.1 | 161 | | | |
| | Sur: N-hexadecane | 84 | | 87.60 | | 95.8 | 15 | 176 | | | |
| | Sun: Benzo(e)pyrene | 18 | _ | 20.00 | 1.00 | 89.1 | 15 | 198 | _ | | |
| | Sample ID (cmd-10649 | Samp | Type: LO | CSD | Tee | Code E | A Method | 8270C: PAH | | | |
| 110 | Cimitito LC3802 | Beid | II 1D. 30 | 2049 | | Autor d | 1412 | | | | |
| 11 | Prep Date 3/13/2017 | Analysia (| Date: 3 | /17/2017 | 1 | SecNo: 1 | 000979 | Unite ug/L | | | |
| 11 | Analyte | Result | POL | SPK value | SPK Ref Val | KREC | LowLimit | HighLink | ALRPD | RPOLimit | Qual |
| | Natifitation | 17 | 0.50 | | 0 | 64.8 | 37.4 | 120 | 8.04 | 20 | - |
| | 1-Methylicapidiates ar | 10 | 0.50 | | | 60.3 | 39.3 | 121 | 4,55 | 20.0 | |
| 1.1 | V Mathyloghbalene | -17 | 0.50 | | | 84.7 | 37,8 | 122 | 4.16 | 23.8 | |
| 1.1 | Alamac/Wrytems | 17 | 0.50 | | | 85.0 | 37 | 124 | 11.5 | 78.6 | |
| 111 | Abim44/8 | 18 | 0.60 | | - 0 | 89,8 | 95.0 | 123 | 10,1 | 27 | |
| 11.1 | Flapreno | 17 | 0.50 | | | 83,7 | 35,2 | 122 | 11.5 | 25.7 | |
| | Phenerillemin | 10 | 0.50 | | | 87.5 | 38.6 | 122 | 1.97 | 20 | |
| | Anthranosa | 19 | 0.50 | | | BAR | 37.5 | 125 | 5.28 | 21.2 | |
| | | | | 20,00 | 0 | 84.5 | 37.4 | 131 | 6.86 | | |
| | Fluorantheme | 17 | 0.50 | | | | | | | 218 | |
| | Pyrene | 17 | 0.50 | 20.00 | σ | 86.6 | 27.5 | 140 | 4.40 | 31.1 | |
| | | | | 20.00 | 0 0 | | | | | | |

| Qualifier | 10 | |
|-----------|----|--|
| | | |

 Qualifier:

 Value scenario Alizonum Loniational Lowi.

 Sample Diland Dac to Movie

 Halding Linna for preparation or swelyns excended

 Difference of the Reporting Linnis

 R RD onlide accepted recovery limits

 8 % Recovery ontside of range due to dilation or matrix.

 Π
 Analyte detected in the sussained Method Mines

 E
 Value adverse countralision energi

 1
 Analyte detecting three granitations (mines)

 P
 Sample pet Not. In Kanger

 21.
 Reporting Detection Limit

 W
 Sample container temperature is out of limit as specified

Page 7 of 10

Qualifier: * Value excess Maximum Constantional Laws. D Sample Dubted Data to Matrix *

QC SUMMARY REPORT

Client: Project: Gample (D rb

Client ID: PBW Prep Date:

Analyte Vrig chloride Xvenst, Total Sum 1-2-botkloroethans-of-Sum 2-botkloroethane Sum Chloroethane Sum Chloroethane

Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates 3B-1 CS

SamuTyyo MBLK Balah ID, R41247

Analysis Date: 3/8/2017

 Analyse detected in the sametared Mehnel Hinds
 E Vehic observ constitution image
 Analyse detected below quantitation limits
 Analyse detected below quantitation limits
 P. Sample PH 1961 to Kanger
 R. Reporting Detection Limit
 W. Sample container temperature is out of limit as specified Page 6 of 10

TuniCusin EPA Matinal 82008. YOLATILES

SeqNo: 1292354 Units: µg/L

 ND
 L0
 SPK value
 SPK ref Val
 KRef Val
 Qual
 Q

RunNo: 41247

| lient: Souler | , Miller and Associates | ory, Inc. | 28-hfar-17 | Client: Souder, Mi | iller and Associates | | |
|---|--------------------------------|---|------------|--|---|-------------|-------|
| reject: 3B-1 C | | | | Project: 3B-1 CS | | | |
| Sample ID Icau-20043 | SameType: LGBD | TuniGaste CPA Method 82706 PAHs | | Sample ID MR 30616 | SumpType: MBLK TestGode: EPA Method 7479: Menway | | 3 |
| Clent ID: LCSS07 | Ballet IO 30640 | Ronke #1462 | | Client (D: PBW | Runhio: 30616 Runhio: 41302 | | |
| Prep Date: 3/13/2017 | Analysis Dam 3/17/2017 | SeqNo 1300979 Units ug/L | | Prep Date: 3/9/2017 / | Analysia Data: 3/9/2017 SecNo 1294145 Units mg/L | | |
| Anniyte | | SPK Ref Val %REC LowLimit MohLimit %RPD RPDLini | | | Result POL SPK while SPK Rol Val SREC LowLins HighLimit SRPD | RPQLINE: | Quili |
| errizo@(Auszanikerine | 17 0.56 20.00 | 0 00.6 36 154 11.6 2 | | Méroury | ND 0.00020 | | _ |
| ercolatemmi. Idenzia hien/macene | 17 0.50 30.00 17 0.50 20.00 | 0 874 38.6 163 0.229 24. 0 86.0 39.7 155 7.65 2 | | Bample ID LCS-20616 | SimpType LCS TestCode: EPA Method 7470: Mercury | | |
| enzal)//jeenwine | 16 0.50 20.00 | 0 10.4 39.6 154 1.65 2 | | Client ID: LOSW | Bind: 10: 30616 Runko: 41302 | | |
| dero(1,2,3-stilgymmi | 17 0.50 20.00 | 0 MAS 1911 153 6.16 2 | | Prep Date: 3.9/2817 | Analysis Data: 3/9/2017 SepNo. 1284146 Units: mg/L | | |
| Surr N-hexadecore | 72. 87,60 | 01.6 15 176 0 | | 1.000 | | Second Sec. | 0.0 |
| Burn Bioneo(c)gynane | 16 29,00 | 00.2 15 198 0 | 2 | | Result PQL SPK value EPK Ref Val %REG LowLinit HighLinit %RPD 0.0050 0.00020 0.005000 0 100 80 120 | RPDLimit | Qual |
| Sample 157 mb-30640 | SampType: MBLK | TenCode: EPA Method 82700: PAHa | | Semple D LCSD-30916 | SamoType: LCSD TestCode: EPA Mathod 7470; Mercury | | - |
| Climit D PRW | Bakes (D) \$8640 | Bunkin 41402 | | Client ID: LCSS02 | Balch ID: 30516 RunNo: 41302 | | |
| Prep Date: 3/13/2017 | Analysis Date 3/17/2017 | Segreo: 1300880 Units: ug/L | | Constant of the Second Se | | | |
| Visibile | Renall POL SPK where | SPK Rel Val MREC LowLinit HighLinit MRPD RPDLin | Qual | and the second s | Anadynin Dato: 3/8/2017 SingHu. 1294158 Units. mg/L | | |
| aphthaline | ND 0.50 | "D.P. upi Aul aver. rounnum unberum | | | Rosuit PGL OPK velue SPK Ref Vel %REG LowLimit HighLimit %RPD | | Qual |
| Methyleuphithalene | ND 0.50 | | | Mercury | 0.0049 0.00020 0.005000 0 98.0 80 120 1.94 | 20 | |
| Methylruphthaiare | ND 0.50 | | | | | | |
| enaphtrylene | ND 0.50 | | | | | | |
| anaya thana | ND 0.50 ND 0.50 | | | | | | |
| enanthrene | ND 0.50 | | | | | | |
| duracene | ND 0.50 | | | | | | |
| oranthene | ND 0.50 | | | | | | |
| rene | ND 0.50 | | | | | | |
| mz(a)anthracene | ND 0.50 | | 1.12 | | | | |
| nymine . | ND 0,60 | | | | | | |
| nak)koathea nakikoathea | ND 0.50 ND 0.50 | | | | | | |
| nzola)pyrene | ND 0.50 | | | | | | |
| benz(a,h)anthracene | ND 0.50 | | | | | | |
| rizo(g./i.(perylene | ND 0.50 | | | | | | |
| dens(1,2,5-al)pyrone | ND 0.50 | | | | | | |
| Surr: N-hexadecane | 81 87.60 | | | | | | |
| Sur Benno(c)oyeres | 10 20.00 | 89.5 15 198 | | | | | |
| | | | 2.5 | | | | |
| | | | بالا | | | | |
| | | | | | | | |
| ualifiers: | | | | Qualifiers: | | | |
| Value encreda Maximum | | B Analyte detected in the successed Method Blank | | Value exceeds Maximum Cor | | | |
| D Saugle Diluied Due to N | | E Value above quantitation range | 5 M 4 | D Sample Diluted Due to Matri H Holding times for preparation | | Base | 610 |
| H Holding times for prepar | tabion or analysis exercided. | i Analyst detected below quantitation finits Page Sample pil Not in lange | 8 of 10 | ND Not Detected at the Reporting | | Page 9 o | 110 |
| D New Constraint of the Weyl | | | | | | | |

| Cilent. Project: | Souder, 3B-1 CS | Miller and | Associa | _ | ory, Inc. | | | | | | 78 Mar-17 |
|---------------------|--------------------|------------|-----------|-----------|-------------|-----------|----------|---------------|-------------|----------|-----------|
| | MD-30610 | | Type: MB | | | | | Total Recove | | | |
| Client ID: | PBW | | in (D. 30 | | | RunNic: 4 | | Tutal Nessare | ather rates | | |
| | | | | | | | | 1000 | | | |
| Prep Date: | 3/9/2017 | Analysis | Dotter 3/ | 10/2017 | 1 | lingNo: 1 | 294285 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Arsenic | | ND | 0.020 | | | | | | | | |
| Barlum | | ND | 0.020 | | | | | | | | |
| Cadmian | | ND | 0.0020 | | | | | | | | |
| | | ND | 0.0080 | | | | | | | | |
| Lead Selenium | | ND ND | 0.0050 | | | | | | | | |
| Silver | | ND | 0.0050 | | | | | | | | |
| | T.C. COL | | | | _ | _ | _ | | | | _ |
| | LC3-20610 | | Type LC | | | | | Total Recove | TEDI# MED | and. | |
| Client ID: | LCSW | Bais | 30 201 | 610 | | binNit. A | 11365 | | | | |
| Prep Date: | 3/9/2017 | Analysis | Date: 3/ | 10/2017 | 1 | SeqNo: 1 | 294286 | Units: mg/L | | | |
| Analyte | | Result | PQL | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antanic | | 0.50 | 0,020 | 0,5000 | .0 | 99,4 | 60 | 120 | - | | |
| Barlen | | 0.50 | 0.020 | 0.5000 | n | 00.3 | âñ | 620 | | | |
| Cadmikini | | 0.49 | 0.0020 | 0.5000 | n | 97.8 | 80 | 120 | | | |
| Chromium | | 0.49 | 0.0060 | 0.5000 | 0 | 98.3 | 80 | 120 | | | |
| Lead | | 0.49 | 0.0050 | 0.5000 | 0 | 97.8 | 80 | 120 | | | |
| Section . | | 0.49 | 0.050 | 0.5000 | 0 | 97.8 | 80 | 120 | | | |
| owc. | | 0.099 | 0,0000 | 0,1000 | Ú. | 97.0 | -00 | 120 - | | | |
| 1 | LCSD-30610 | | TYPE: LC | | | | | Total Recover | able Beta | 810 | |
| Clines ID | | | sh (D. 90 | | F | RunNo: 4 | 1365 | | | | |
| Prep Date: | 3/9/2017 | Analysis | Date: 3/ | 10/2017 | 1 | SeqNo: 1 | 294287 | Units: mg/L | | | |
| Analyte | | Result | POL | | SPK Ref Val | | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Ankenie | | 0.10 | 0.020 | 0.5000 | 0 | 100 | 80 | 120 | 1.08 | 20 | |
| Earlan . | | 6.50 | 0.020 | 0,5000 | 0 | 90,0 | 80 | 120 | 0,604 | -20 | |
| Cabrium | | 0.49 | 0,0020 | 0.5000 | ņ | 97.6 | 60 | 120 | 0,141 | 20 | |
| Children and | | 0.49 | 0.0050 | 0.5000 | 0 | 87.9 | BO | 120 | 0.457 | 20 | |
| Selenium | | 0.47 | 0.050 | 0.5000 | 0 | 94.7 | 80 80 | 120 | 3.16 | 20 | |
| Silver | | 0.098 | 0.0000 | 0.1000 | 0 | 97.7 | 80 | 120 | 0.123 | 20 | |
| | | 5.000 | 0.0000 | 0.1000 | U | 51.1 | 00 | 120 | 0.120 | 20 | |

| 1,210 | - D,4 | 19 D.0080 | 0.5000 | 0 | 87.9 | 80 | 120 | 0.457 | 20 | |
|--------|--------------------------------------|-----------------|--------|----------|------------------|---------------|----------------|-----------|---------------|-------|
| Land | 0. | 0.0050 | 0.5000 | 0 | 97.7 | 80 | 120 | 0.115 | 20 | |
| Seler | ium 0. | 17 0.050 | 0.5000 | 0 | 94.7 | 80 | 120 | 3.16 | 20 | 1 N N |
| Silver | 0.0 | 0.0050 | 0.1000 | 0 | 97.7 | 80 | 120 | 0.123 | 20 | SI |
| | | | | | | | | | | 31 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Qual | ifiers: | | | | | | | | | 1 |
| 1.1 | Value excends Maximum Centami | um Levil. | | Analys | e detected in th | e assected. | Matinal Tile | nk | | 18 |
| | Sample Trifuted Diar to Matrix | | | Value | above quantita | ition range . | | | | |
| H | Holding tirats for preparation or an | alysis estendor | 1 | Anniyt | e detected beli | w quantitatio | a innia | | Page 10 of 10 | |
| ND | Not Descued at the Reporting Limit | | | Sample | pH Not in Ra | nge | | | rige to be to | |
| R | RPD outside accepted recovery lim | its | | L Report | ing Detection | Limit | | | | |
| s | % Recovery outside of range due to | dilution or ma | trix 1 | | container ten | | ot of limit as | specified | | |
| | | | | | | 1000 | | | | |
| | | | | | | | | | | |

| | Work Order Humber | 1703054 | | Ropino | . 1. |
|---|---|---------|---------|-----------------------------------|---------------------|
| Received by/date: | 03/08/17 | | - | | |
| ogged By: Lindsay Mangin | 3/8/2017 7:35:00 AM | | HAR | | |
| Completed By Lindsay Mangin | 3/8/2017 9-32-53 AM | | ALITO | | |
| teviewed By: | 5/08/17 | | 11.4.16 | | |
| hain of Custody | 10011 | | | adainaite a pa | |
| 1. Guslody seals intact on semple bottle | 0 | Yes L | No 🗔 | Not Present | |
| 2, is Ghain of Gustony completer | | T05 M | No 🗔 | No. Pressent | |
| . How was the sample delivered? | | Counter | | | |
| .og In | | | | | |
| 4. Was an attempt made to cool the sam | nples? | Ves M | No 🗔 | | |
| 5. Were all samples recaived at a temps | railuse of 3-0 ⁴ C in 8 0°C: | Vec 52 | нь ГП | 886 TT | |
| 8. Sample(s) in proper container(s)? | | Yes M | No 🗆 | | |
| 7. Sufficient sample volume for indicated | teekes? | Yes 12 | NO 🗔 | | |
| 3 Are earricles (except VOA and ONG) ; | properly preserved? | Yes 2 | No LU | | |
| 9. Was preservative added to bottles? | | Yes 🗌 | No 12 | NA D | |
| 0.VOA visits have zero headspace? | | Vas M | No C | No VOA Viala | |
| 1. Were any semple containers received | tbroken? | Ves C | No 😿 | and the second | |
| | | | | 8 of preserved bottles checked | |
| 2 Does peperwork match boilte tabeta? (Note discrepancies on chain of custo) | | Yes 🗹 | No 🗆 | for pH: | oç >12 unlese noinc |
| 3. Are metrices correctly identified on Ch | | Yes M | No 🖂 | Adjusted? | No |
| 4, la il clear what printyoos were resuces | | Yes 🗟 | No 🗔 | | as |
| Were all holding times altre to be meth (If no, notify customer for authorization | | Yes 🗹 | H0 [] | Checked by: | 140 |
| pecial Handling (If applicable) | | | | | |
| | which these product? | Vm D | No CT | MA T | |

17. Additional remarks:

Sec. 2

-

Page 1 of 1

| Production Constrained of the second of th | HALL ENVIRONMENTAL HALL ENVIRONMENTAL ANALYSIS LABORATORY www.reinenui.com 40015596075 For Schwartory Tal Encodents For Schwartory | рунк (влю (653) даниа: ной (иранай ок 3) ной (иранай ок 3) ной (иранай ок 3) ной оказа (сво часо) вытх - ирае + тын (сва онд) од 5 од 5 | X | Der The Remarker Lie Full List Report Telp |
|--|---|--|--|--|
| | 100 | La La La La La La La La La La La La La L | | Auliste |
| | | aldavion) aldavion) jujest ID | | S. F. |
| | A Paring A | 10.2 Package 30.2 Package Stander: Correlation NCLAP EDC (Typo) have Trme | a7H 55'6 41- | HT INC |

| | | 2017 |
|---|---|---|
| | | 060517MK |
| District.J (675 N. French Dr., Hobbis, MM 88240 | State of New Mexico | Form C-138 |
| Distant II III S. First St., Actesta, NM 88310 | Energy Minerals and Natural Resources | Revensi Augur 1, 1011 |
| 1000 Rive Domain Romal, Aurora, Mild 37410 Distributive | Oil Conservation Division 1220 South St. Francis Dr. | Series Wate Management Facility Operator and Occupator shall realistain and make this descentration available for Division inspection. |
| 1220 S. St. Francis Dr., Santa Fe, NM 87505 | Santa Fe, NM 87505 | |
| REQUEST | FOR APPROVAL TO ACCEPTS | OLID WASTE |
| Generator Name and Address: Western Refining Southwest, Inc. 111 County Road 4990 | | |
| Bloomfield, NM 87413 2. Originating Site: | | |
| Pipeline Maintenance Yard 5754 Highway 53 Farmington, NM 87401 | | 1 |
| Location of Material (Street Addre Same as originating Site | as, City, State or ULSTR): | |
| Source and Description of Waste: Hydro test water used to test frac tanks. | | 1.2 |
| Patimated Volume 500 bbbs Kno | wn Volume (to be entered by the operator at the en | d of the haul) 430 y bble |
| PRINT & SIGN NAME certify that according to the Resource Co | particitive of starbolition affort for | ng Southwest, Inc. do herdry סאורארא אראר אראר invironmental Protection Agency's July 1988) |
| | generated from all and gas exploration and produc mly: Waste Acceptance Frequency | |
| characteristics established in RCBA | raste which is non-hazardous that does not exceed it regulations. 40 CPR 261,21-261,24, or living hazar- ng documentation is attached to demonstrate the ab- | lous waste as defined in 40 CFR, part 261, |
| and all he of the mental | | |
| | ardous Waste Analysis 🔲 Process Knowledge | Other (Provide description in Ben 1) |
| II MSDS information S RCRA Has | WASTE TESTING CERTIFICATION STATE | |
| MSDS information. RCRA Haz GENERATOR 19,15.36.15 N/A representative samples of the off field was lays been found to centurym to the specific | | MENT FOR LANDFAILMS do hereby certify that sted for chloride content and that the samples. Section 15 of 19.15.36 MMAC. The results |
| ☐ MSDS information | WASTE TESTING CERTIFICATION STATES essentative for N/A are have been subjected to the pairs film rem and re is requirements applicable to tandfarma parsuant to | MENT FOR LANDFAILMS do hereby certify that sted for chloride content and that the samples. Section 15 of 19.15.36 MMAC. The results |
| MSDS Information ≥ RCRA Haz GENERATOR 19,15,36,15 NA (epo representative amples of the of liable way been found to construct to the specif of the representative samples are stacked 10,15,36 MAC. Transporter: To be determined Juford | WASTE TESTING CERTIFICATION STATE stantistive fire N/A the have been subjected to the paine ritime tear and the the requirements placelade to Linaffarms paraunal to to demonstrate the above-described wante conform | MENT FOR LANDFAILMS do hereby certify that sted for chloride content and that the samples. Section 15 of 19.15.36 MMAC. The results |
| ■ MSDE Information ■ RCRA Haz GENERATOR 19.15.36.15 N/A Propention N/A Propention N/A Propention N/A Propention N/A Propention N/A Propention Propentio | WASTE TESTING CERTIFICATION STATE stantistive fire N/A the have been subjected to the paine ritime tear and the the requirements placelade to Linaffarms paraunal to to demonstrate the above-described wante conform | VENT FOR LANDFALMS do hereby certify that meet for coloride content and that the camplea. Section 15 of 19,153 (MAGC. The results to the requirements of Section 15 of |
| ■ MSDE Information ■ RCRA Haz GENERATOR 19.15.36.15 N/A Propention N/A Propention N/A Propention N/A Propention N/A Propention N/A Propention Propentio | WASTE TESTING CLEATIFICATION STATE stantistive fir N/A the have been subjected to the paine filter team and the the requirements septileable (is unalfarms parsunal to b to demonstrate the above-described wante contern ment Facility uses, LLC Permit #: UICI-005 (Class 1 No | VENT FOR LANDFALMS do hereby certify that meet for coloride content and that the camplea. Section 15 of 19,153 (MAGC. The results to the requirements of Section 15 of |
| MSD2 Information ≥ RCRA Haz GENERATOR 19.15.36.15 NA representative numples of the out field was law been found to conform to the spacef of the representative numples of the out field was law been found to conform to the spacef of the representative numples of the out field was out for the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representation of t | WASTE TESTING CLEATIFICATION STATE stantistive fir N/A the have been subjected to the paine filter team and the the requirements septileable (is unalfarms parsunal to b to demonstrate the above-described wante contern ment Facility uses, LLC Permit #: UICI-005 (Class 1 No | VENT FOR LANDFALMS: do breeby early that steed for chlorade consistent and land the complete. Section 15 of 19.15.36 MMAC. The results to the requirements of Section 15 of no-Hazardons Well) |
| MSD2 triformation ≥ R.C.R.A Haz GENERATOR 19.15.36.15 NA Yeppe Toportemuitry anamples of the of the local toportemuitry anamples of the of the representative samples are success Transporter: To be determined Mane and Facility Permit # Agun Ma Adhress of Facility. 34.3 CR 33.0, Sam J Method of Treatment and of Disposal: | WASTE TESTING CLEATIFICATION STATES seamative first N/A in hysto kern subjected to the pairs first rear sub at its regularements applicable to tavallarms parsum to to demonstrate the above described wante conform meent Facility ssss, LLC Permit #: UICI-005 (Class 1 No hum County, Aztec, NM 87410 tion Treating Plant Landfarm 1 | VENT FOR LANDFALMS: do breeby early that steed for chlorade consistent and land the complete. Section 15 of 19.15.36 MMAC. The results to the requirements of Section 15 of no-Hazardons Well) |
| MSD2 Information ≥ RCRA Haz GENERATOR 19.15.36.15 NA representative numples of the out field was law been found to conform to the spacef of the representative numples of the out field was law been found to conform to the spacef of the representative numples of the out field was out for the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representative numples of the representation of t | WASTE TESTING CLEATIFICATION STATES seamative for N/A is may been subjected to the passer filter test and its is regulatements applicable to indenfarms parsuant to to domeanizate the above described write conform ment Facility sss; LLC Permit #: UICI-005 (Class 1 No hum County, Aatec, NM 87410 tion | VENT FOR LANDFALMS: |

Da J.



Hall Genorenemetal Analoris Laboratory 1981 Hawkins NE Allinguargue, NM 8710n FAL: 205-443-3975 FAV: 305-545-416 Website www.sulfanstromental.com

Kelly Rohmson Western Refining Southwest, Inc. #50 CR 4990 Bloomfield, NM 87413 TEL: (505) 632-4135 FAX (505) 632-3911

RE: Pipeline Frac Tank Hydro Water

Dear Kelly Robinson:

June 20, 2017

Hall Environmental Analysis Laboratory received 1 sample(s) on $\delta/7/2017$ for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.halentervironmentalia.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Clastody for information regarding the sample checklist and/or the Chain of Clastody for information regarding the sample checklist and/or the Chain of Clastody for information regarding the sample checklist and/or the Chain of Clastody for information regarding the provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC asumary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Tah measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as p1 and residual chorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 ~ NMED-DWB Cert #NM9425 - NMED-Micro Cert #NM0190

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

OrderNo : 1706322

| Hall En | viro | umental Analys | is Labori | itory, Inc. | | | | Analytical Report Lab Onder 1786322 Date Reported #29/201 | n | |
|-------------|------------|---|---------------------|-------------|---|----------|---------------|---|------------|--|
| Project: | Pipelin | m Refining Southwest te Prie Tunk Hydro Wa 22-001 | ller | AQUEOUS | Client Sample ID: Hydro) oft Water Collection Date: 6/5/2017 4:00:00 PM Received Date: 6/7/2017 7:30:00 AM | | | | | |
| Analyses | _ | | Result | PQI, Qual | Un | its | DF | Date Aualyzed | Batch | |
| EPA METH | 100 7 | TO: MERGURY | | | | | | Analyst | MED | |
| Mercury | | | ND: | U-000000 | in | sh. | 1 | 0/14/2017 1:22.58 PM | 342399 | |
| EPA 60108 | B: TOT | AL RECOVERABLE N | TALS | | | | | Analyst | MED | |
| Arsenic | | | ND | 0.020 | m | 10 | 1 | 6/13/2017 10:47:49 AM | | |
| Barium | | | 0.092 | 0.020 | m | | 1 | 6/13/2017 10:47:49 AM | | |
| Cadmium | | | ND | 0.0020 | m | | 1 | 6/13/2017 10:47:49 AM | | |
| Caroinian | 100 | | ND | 0.0000 | m | | | E/13/2017 10:47:49 AM | | |
| Land | | | ND | 0.0060 | ing | | | 6/13/2017 10:47:40 AM | | |
| Salarium | | | ND | 0.050 | ing | | | 6/13/2017 10:47:49 AM | | |
| Silver | | | ND | 0.0050 | | an. | 1 | IV13/2017 10:47-19 AM | | |
| | top a | BOD VOLATILES | (en. | 1. Second | | - | 1 | Analyst | | |
| Benzene | 100 0 | TOD. TOPATILEO | ND | | | 2 | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Tokulow | | | | 1.0 | pg | | 1 | | | |
| Ethylbono | | | ND | 1.0 | PB | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| | | ther (MTBE) | ND | 1.0 | P9 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| 12.4 Trim | | | ND. | 1.0 | 49 | | | E/7/2017 7:07:00 PM | R430377 | |
| 1.3.5-Trim | | | HD. | | 1 HQ | | 12 | 6/7/2017 7:07:00 PM | R43333 | |
| 1.2-Dichia | | | ND | 1.0 | ьġ | | | 6/7/2017 7:07:00 PM | R4333 | |
| 1.2-040401 | | | ND | 1.0 | 49 | | | E/7/2017 7:07:00 PM | R43037 | |
| Napringia | | e (c//2) | /HD | 20 | HB HB | A | 1 | 6/7/2017 7:07:00 PM | RATORIT | |
| I-Meifiyin | | | ND. | | | | | 6/7/2017 7:07:00 PM | RANDO | |
| 2-Methylin | | | ND | 4.0 | H9 | | | 6/7/2017 7:07:00 PM | R43337 | |
| Acetone | age to the | DI NO | ND | 10 | - 19 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Bromoben | 7000 | | ND | 1.0 | pg pg | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Bromodici | | finance. | 8.7 | 1.0 | 99 | | | 6/7/2017 7:07:00 PM | R43337 | |
| Bromoform | | C. Larie | ND | 1.0 | P9 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Biomone | | | NO | 10 | 10 | | | 6/7/2017 7:07:00 PM | R40007 | |
| 2-Butanoo | | | ND. | 10 | HO | | 12 | B/7/2017 7:07:00 PM | R43337 | |
| Cartion de | | | HD | 10 | - 10 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Carbon Te | | - | ND | 1.0 | - PO | | 1 | 6/7/2017 7:07:00 PM | R4333 | |
| Chloroben | | | ND | 1.0 | 19 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Chloroeth | | | ND | 2.0 | 29 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Chloroform | | | 25 | 1.0 | P9 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| Chloromet | | | ND | 3.0 | P9 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| 2-Chloroto | | | ND | 1.0 | P2 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| 4-Chloroto | | | ND | 1.0 | P9 | | 1 | 6/7/2017 7:07:00 PM | R43337 | |
| dia-1.2-DC | | | ND | 1.0 | NO | | | 6/7/2017 7:07:00 PM | R43337 | |
| 00-1,1400 | | opene | ND | 1.0 | 89 | | | B//2017 7:07:00 PM | HARED | |
| | | oregropana | NO | 20 | Pa | | | 6/7/2017 7:07:00 PM | R43337 | |
| | | | | | | | | | | |
| | | | | | | _ | _ | reservation information | _ | |
| Qualifiers: | | Value exceeds Maximum (| | d. | | | | he associated Method Blank | | |
| | D | Sample Diluted Due to Ma | | 5 A 11 4 | E | | ove quantit | | | |
| | н | Holding times for preparati | | creded | 1 | | | ow quantitation limits Pag | clof9 | |
| | ND | Not Detected at the Report | | | P | | H Not In R | ange | | |
| | POL | Practical Quantitative Limit | | | | | g Detection | | | |
| | 6 | is Mesowery opunde of range | to diat to dilition | er emint | W. | Sample c | continuer the | reservationed as call of filmit do by | ACCUTHON . | |

| | | ie Frao Tank Hydro Wa 22-001 | | AQUEOUS | | | 2017 1:00:00 PM 2017 7:30:00 AM | |
|----------------------------|----------|---------------------------------|---------------------|------------|--------------|--------------------|--|--------------|
| Analyses | | | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
| EPA METH | IOD 6 | 2008. VOLATILES | | | - | | Anal | ysl RAA |
| Dibromoch | hlorome | thane | 2.4 | 1.0 | Lou | 1 | 6/7/2017 7:07:00 PM | A R433 |
| Dibromore | | | No | 1.0 | UaL | | 6/7/2017 7:07:00 PM | |
| 1,2-Dichlor | | | ND | 1.0 | NO. | T | 6/7/2017 7:07:00 PM | |
| 1,3-Dichlo | robenz | 808 | ND | 1.0 | ug/L | 1 | 6/7/2017 7:07:00 PM | |
| 1,4-Dictilo | robienz | anui - | NO | 1.0 | UQ3 | | 6/7/2017 7:07:00 PM | |
| Dichlorodi | lucion | ultrano | ND | 1.0 | HOL | | 6/7/2017 7:07:00 PM | A R435 |
| 1,1-Dichlor | roethan | 10 | ND | 1.0 | ugit | 1 | 6/7/2017 7:07:00 PM | A R433 |
| 1/1-Dichio | romthing | | 7.405 | 1.0 | Han | | 1/7/2017 7:07:00 PM | A 17433 |
| 1,2-Dichio | roompl | www. | 1473 | 1.0 | - ug/L | 3 | E/7/3017 7.07 00 FA | FH433 |
| 1,3-Dichio | ropropi | NIN . | MD | 1.0 | UD/L | 1 | 6/7/2017 7.07:00 PM | A R433 |
| 2,2-Dichlo | ropropa | ane . | ND | 2.0 | µgr. | 1 | B/7/2017 7:07:00 PM | A R433 |
| 1,1-Dichlor | roprope | ine | ND | 1.0 | ug/L | 1 | 6/7/2017 7:07:00 PM | A R433 |
| Hexachion | obutadi | ene | ND | 1.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | A R433 |
| 2 Hexanor | 90 | | ND | 10 | HOL | 1 | 6/7/2017 7:07:00 PM | 4 R400 |
| Isopropylb | enzene | | ND | 1.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | 1 R433 |
| 4-Isopropy | Itoluen | e | ND | 1.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | I R433 |
| 4-Methyl-2 | -pentar | sone | ND | 10 | µg/L | 1 | 6/7/2017 7:07:00 PM | I R433 |
| Methylene | | ie | ND | 3.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | 1 R433 |
| n-Butylben | | | ND | 3.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | A R433 |
| n-Propylbe | | | ND | 1.0 | ug/L | 1 | 6/7/2017 7:07:00 PM | I R433 |
| sec-Butylb | enzene | 1 m | ND | 1.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | |
| Styrene | | | ND | 1.0 | hB/r | 1 | 6/7/2017 7:07:00 PM | |
| tert-Butylb | | | ND | 1.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | |
| 1.1,1,2-Te | | | ND | 1,0 | 1-04 | A | 5/7/2017 7:07:00 PM | |
| 1.1.2.2-Tel | | | ND | 2.0 | PB/L | 1 | 6/7/2017 7:07:00 PM | |
| Tetrachion | | e (PCE) | ND | 1.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | |
| trans-1,2-0 | | | ND | 1.0 | hð/r | 1 | 6/7/2017 7:07:00 PM | |
| trans-1,3-0 | | | ND | 1.0 | ug/L | 1 | 6/7/2017 7:07:00 PM | |
| 1,2,3-Trich | | | ND | 1.0 | PB/L | 1 | 6/7/2017 7:07:00 PM | |
| 1,2,4-Trich | | | ND | 1.0 | HØ/L | 1 | 6/7/2017 7:07:00 PM | |
| 1,1,1-Trich | | | ND | 1.0 | ug/L | 1 | 6/7/2017 7:07:00 PM | |
| 1,1,2-Trich | | | ND | 1.0 | µg/L | 1 | 6/7/2017 7:07:00 PM | |
| Trichloroft | | | ND | 1.0 | PBr. | 1 | 6/7/2017 7:07:00 Ph | |
| | | | ND | 1.0 | pg/L | 1 | 6/7/2017 7:07:00 PM | |
| 1,2,3-Trich Vinyl chlor | | pane | ND | 2.0 | h0/L | 1 | 6/7/2017 7:07:00 PM 6/7/2017 7:07:00 PM | |
| | | | | | P0/1 | | | |
| Xylence, T | | proetnane-d4 | ND 95.4 | 1.5 | Mg/L %Rec | 1 | 6/7/2017 7:07:00 PM | |
| | | luorobenzene | 104 | 70-130 | %Rec | 1 | 6/7/2017 7:07:00 PM 6/7/2017 7:07:00 PM | |
| | | | | | | | | |
| | | e QC Summary report a | | | | | | |
| Qualifieri: | 17 | Villeo exceeds Maximum C | | | | | he associated Method B | lank |
| | D | Sample Diluted Due to Mat | | | | se above quantita | | |
| | - 0 | Holding times for preparation | | | | | re quantilacian limita | Page 2 of |
| | 90 | | Dy Longs | | | plà pH Noi In Ra | | |
| | PQL | | | | | orting Detection I | | |
| | s | % Recovery outside of rang | e que to dilution o | er maserix | W Sam | pie container ten | sperature is out of limit | as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Inc.

9/430, 1/200322

34-Jun-17

hin

Analytical Report Lah Order 1796322 Date Reported 4/20/2017

Client Sample ID: Hydro Test Water

| Hali Er | nvironmental Analysi | tory, Inc. | Analytical Report Lab Order 1796322 Daw Reportsh 6/20/2017 | | | | |
|--------------------------------|--|------------|--|------------|-----------|--|--------|
| CLIENT: Project: Lab ID: | Western Refining Southwort, J Pipeline Free Tank Hydro Wat 1706322-001 | - | AQUEOUS | Collection | Date: 6/3 | dro Test Water 2017 1:00:00 PM 2017 7:30:00 AM | |
| Analyses | | Result | PQL Qual | Units | DF | Date Analyzed | Ratch |
| EPA MET | HOD \$2608: VOLATILES | | | | | Analysi | RAA |
| Sur T | Sitesen du covernitione | 103 | 78-190 | 7.Rec | | 6/7/2017 7:07:00 PM | R43337 |
| Surr: T | Toluene-d8 | 100 | 70-130 | %Rec | 1 | 6/7/2017 7:07:00 PM | R4333 |

| Client/D2 BaschOC Buil Prop Date: Analysis Analyse Result Encore 20 Environment 2 | PGL 1.0.10.1 1.0.1 | 7/2017 SPR value 20.00 20.0 | | Runfo: 4 SeqNo: 1 103 100 101 101 101 101 101 101 101 10 | 364431 | Linis: pg/L HighLmit 130 130 130 130 130 130 130 130 130 140 140 140 140 130 130 140 140 130 130 140 140 140 140 140 140 140 140 140 14 | 5.RPD | RPOLimit |
|--|--|--|--|---|--|---|-------|----------|
| Abunyte Heault Barcanie 211 Darcanie 210 Enlydorstanie 200 Lij, Jack 201 Bornobecreen 200 Bornobecreen 201 Dehondham 16 Zuhande 16 Zuhande 16 Zuhande 16 Zuhande 16 Zuhande 12 Chandhame 11 Chandhame 12 Chandhame 12 Chandhame 12 Chandhame < | PGL 1.0.10.1 1.0.1 | SPR value 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 40.00 20 | 5PK Ref Val 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | NREC 103 100 101 96.1 97.2 97.4 95.3 85.7 87.9 66.4 99.6 98.6 102 95.2 98.6 102 95.2 78.2 114 102 102 102 | LowLiver 70 70 70 70 70 70 70 70 70 70 70 70 70 | HighLunit 130 130 130 130 130 130 130 130 | 5.820 | RPOLIME |
| bergere 21 Tollaine 20 Erlyborazine 20 Erlyborazine 20 12.4-Trinntyberome 20 12.5-Trinntyberome 20 12.5-Trinntyberome 19 12.5-Trinntyberome 19 12.5-Trinntyberome 19 12.5-Trinntyberome 19 12.5-Trinntyberome 19 12.5-Trinntyberome 10 Bornodobizone 20 Bornodobizone 20 Bornodobizone 20 Bornodobizone 10 Chistorethere 20 Bornodobizone 16 Chistorethere 20 Chistorethere 21 Chistorethere 21 Chistorethere 21 Chistorethere 21 Chistorethere 21 Chistorethere 12 Schistorie 19 2.5/Schistoreportent 19 1.3/Schistoreportent 19 1.3/Schistoreportent | 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | 220.00 20.00 40.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 40.00 20.00 40.00 40.00 20.00 | | 103 100 101 98.5 97.2 97.4 95.3 85.7 87.9 86.4 99.6 98.6 102 95.2 78.2 114 402 102 102 102 | 70 70 70 70 70 70 70 82 2 70 70 80 80 80 80 80 80 80 70 70 80 80 80 80 80 80 80 80 80 80 80 80 80 | 130 130 130 130 130 130 130 130 130 130 | 5.820 | RPOLIME |
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| Bondebronsteine 20 Bondebronsteine 20 Bondebronsteine 20 Bondebronsteine 20 Sanderbonsteine 16 Zhänswig 41 Certon fluitteine 20 Chronetanne 20 Chronetanne 21 Chordenan 21 Chordenan 19 2-Ölstorblaren 19 di-J.Stoch groupsprint 19 di-J.Stoch groupsprint 19 di-J.Stoch groupsprint 19 Disorcochlorgeniteries 18 | 1.0 1.0 1.0 3.0 16 16 10 1.0 1.0 2.0 1.0 5.0 1.0 | 20.00 20.00 20.00 40.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 0 0 0 0 | 98.6 102 95.2 78.2 114 102 102 102 107 | 70 70 60 60 70 70 70 70 70 70 | 130 130 140 140 140 130 130 130 130 | | |
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| 2-bitmové 48. Cetron fullations 41. Detron fullations 20. Cistratoriame 20. Distratoriame 21. Distratoriame 21. Distratoriame 10. Zólzstolkaren 10. distratoriame 19. distratoriame 30. distratoriame 19. | 10 10 1.0 2.0 1.0 5.0 1.0 | 40.00 40.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 | 114 102 102 102 107 | 60 60 70 70 60 | 140 140 130 130 140 | | |
| Cetton Industries 41 Certon Trainoslassio 200 Oktorobrane 200 Oktorobrane 201 Oktorobrane 201 Oktorobrane 101 Oktorobrane 109 4-Oktorobrane 19 4-Oktorobrane 19 4-Oktorobrane 19 10-13-Oktorobrane 19 12-Utomol-archotocolene 11 Disorucchlorepresente 116 | 10 1.0 2.0 1.0 3.0 1.0 | 40.00 40.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 | 114 102 102 102 107 | 60 60 70 70 60 | 140 140 130 130 140 | | |
| Cetton Industrie 41 Carbon Tränslänkti 200 Ohlondhank 201 Ohlondhank 201 Ohlondhank 211 Ohlondhank 191 4-Ohlondhane 191 4-Ohlondhane 191 4-Ohlondhane 191 4-Ohlondhane 191 4-Data Statume 191 12-Ohlondhane-s-mitotoodelle 111 Downcolloopentemine 1161 | 10 1.0 2.0 1.0 3.0 1.0 | 40.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 | 102 102 102 107 | 60 70 70 60 | 140 130 130 140 | | |
| Christ Translitetis 20 Orderoffunn 21 Olsondernam 21 Olsondern 19 Olsondern 19 Albertoffunn 19 dalszeiten 19 dalsZeiter 21 Disondern 19 dalsZeiter 11 Jabertoffung 19 dalsZeiter 19 dalsZeiter 19 Daroncollorgenterine 18 | 1.0 1.0 2.0 1.0 3.0 1.0 | 20.00 20.00 20.00 20.00 20.00 | 0 0 | 102 102 107 | 70 70 60 | 130 130 140 | | |
| Clastodrame 20 Obrouthame 21 Distance 18 Distancembrenic 16 Z-Ohoroblume 19 4-Ohoroblume 19 4-Distancembrenic 21 Distancembrenic 19 12-Distancembrenic 19 12-Distancembrenic 19 12-Distances-artisotrophene 19 12-Distances-artisotrophene 16 | 1.0 2.0 1.0 5.0 1.0 | 20.00 20.00 20.00 20.00 | 0 0 | 102 107 | 70 60 | 130 140 | | |
| Otorothane 21 Okindrém 21 Okindrém 16 2/Ohrotokune 19 4/Ohrotokune 19 4/Ohrotokune 19 1/0/Ohrotokune 19 <tr< td=""><td>2.0 1.0 3.0 1.0</td><td>20.00 20.00 20.00</td><td>0 0</td><td>107</td><td>60</td><td>140</td><td></td><td></td></tr<> | 2.0 1.0 3.0 1.0 | 20.00 20.00 20.00 | 0 0 | 107 | 60 | 140 | | |
| Chlorofom 21 Chlorofohum 16 Zchlorofohum 19 4-Chlorofohum 19 4-Dirofohum 19 Li-J.20CE 21 dis1-J.20CE 18 Diromochorophine 19 L2-Obtrono-activotophine 18 Diromochorophine 16 | 1.0 3.0 1.0 | 20.00 20.00 | 0 | | | | | |
| Chloromothone 10 2/Chloroblame 19 du-12/DCE 21 du-12/DCE 21 du-12/DCE 21 Dubrings/Protopopene 19 Dubrings/Protopopene 19 Dubrings/Protopopene 111 Dubrings/Protopopene 111 | 3.0 1.0 | 20.00 | | | | 130 | | |
| 2-Chlorobluene 19 4-Chlorobluene 19 dis1_2-DCE 21 dis1_3-Dichloropropene 19 1_2-Ubtrime-3-chloropropene 18 Disromochlorgmetrates 16 | 1.0 | | | 01.0 | 60 | 140 | | |
| 4-Chlorobluene 19 dis-1,2-DCE 21 dis-1,3-Dickloropopene 19 L2-Uhrmie-chloropopene 19 Disromochloromenene 18 | | | 0 | 96.9 | 70 | 130 | | |
| dis-1,2-DCE 21 dis-1,3-Dichloropropene 19 1,2-Obrume-3-chloropropene 18 Deromochloromenene 10 | 1.0 | 20.00 | 0 | 97.5 | 70 | 130 | | |
| ds-1,3-Dichloropropene 19 1,2-Dith/me-3-chloropropane 18 Devonce/Vorgmeinane 18 | 1.0 | 20.00 | 0 | 106 | 70 | 130 | | |
| 12-Obrome-3-chioropropane 18 Devoncolvorgmenane 18 | 1.0 | 20.00 | 0 | 93.3 | 70 | 130 | | |
| Devonovivoremenane 18 | 2.0 | | 0 | 93.3 | 70 | 130 | | |
| | 1.0 | 20.00 | 0 | p1.7 | 70 | 130 | | |
| | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | |
| 1.2-Dichlorobenzene 19 | 1.0 | 20.00 | 0 | 96.6 | 70 | 130 | | |
| 1.3-Dichlorobenzene 20 | 1.0 | 20.00 | 0 | 98.9 | 70 | 130 | | |
| 14-Dichasterweit 20 | 1.0 | 20.00 | a | 98.9 | 67.2 | 141 | | |
| Distored fluoren utiling 24 | 1.0 | 20,00 | u v | 121 | 60 | 140 | | |
| 1,1-Dichloroethane 20 | 1.0 | 20.00 | 0 | 99.7 | 52.6 | | | |
| 1.1-Dichlinselfume 20 | 1.0 | | | | | 157 | | |
| | | 20,00 | 0 | 103 | 70 | 130 | | |
| 12-Denilopolitikine 2D | 1.0 | 30.00 | 0 | 102 | B3 7 | 138 | | |
| 1,3-Dichkroproperty 19 | 1.0 | 20,00 | 0 | 95.3 | 70 | 130 | | |
| 2.2-Okoloroproteano 20 | 2,0 | 20.00 | U | 101 | 70 | 130 | | |

| Refe | r to th | e QC Summary report and sample login check | list for flags | ged QC data and preservation information. |
|---------|---------|--|----------------|---|
| illers; | | Value exceeds Maximum Contaminant Level. | в | Analyse desected in the associated Method Black |
| | | | | |

- Value concerned y Maximum communitation errors.
 D Sample Dihtred Date to Matrix
 Hindling instants for programming errors
 instants for programming er nonlysis associated.
 //D: Articol Quantitative Limit
 S % Recovery outside of range due to dilution or matrix
- B Analyse descents in the associated Method Blank
 E Value above quantitation maps
 Analyse threated below quantitation limits
 Page 3 of 9
 Bomple p11 No. h hange
 R. Reporting Detection Limit
 W Sample container temperature is out of limit as specified

- Value above quantitation range
 Value above quantitation range
 Anaryte detected below quantitation lumits
 Sample pill Not in Kange
 R. Reporting Detection Limit
 W Sample container temperature is out of limit as specified
- Sample Decess instantial Containing Level.
 Sample Dilated Due to Marix
 Molding times for preparation or analysis escusified
 Not Deceed at the Reporting Limit
 Not Deceed at the Reporting Limit
 S % Recovery outside of range due to dilution or matrix

Page 4 of 9

QC SUMMARY REPORT WON: 1706322 Hall Environmental Analysis Laboratory, Inc. 30-346-17

Western Refining Southwest, Inc. Pipeline Frac Tank Hydro Water Client. Project:

| Sampla (12 100 ng ka | SempT | ype: Lt | :04 | Te | (Code E | PA Helloud | SZOOD: YOL | ATILES | | |
|---|-------------|---------|-----------|--|--------------|--------------|--------------------|--------|----------|---------|
| Clem ID. BatchOC | Batch | | 13337 | 1 | RUNNO 4 | 3337 | | | | |
| Prep Date: | Analysis D | ate: 6 | 7/2017 | | SeqNo: 1 | 364431 | Units: µg/L | | | |
| Analyse | Result | POL | SPK value | SPK Raf Val | MAEC | LowLimit | HighLinit | S/RPD | RPDLimb | Qual |
| ,1-Dichioropropene | 20 | 1.0 | 20.00 | 0 | 102 | 70 | 130 | | | |
| lexachlorobutadiene | 17 | 1.0 | 20.00 | 0 | 82.6 | 70 | 130 | | | |
| -Hexanone | 35 | 10 | 40.00 | 0 | 86.7 | 60 | 140 | | | |
| sopropyloenzene | 20 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | |
| l-Isopropyltoluene | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| -Methyl-2-pentanone | 37 | 10 | 40.00 | 0 | 93.6 | 60 | 140 | | | |
| lethylene Chloride | 21 | 3.0 | 20.00 | 0 | 104 | 70 | 130 | | | |
| Butylbenzene | 19 | 3.0 | 20.00 | 0 | 93.2 | 70 | 130 | | | |
| -Philipberzenia | 19 | 1.0 | 20.00 | 0 | 96.7 | 70 | \$30 | | | |
| ec-Butytbenzene | 10 | 1.0 | 20.00 | ő | 95.1 | 76 | 130 | | | |
| Styrene | 20 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | |
| ert-Butylbenzene | 19 | 1.0 | 20.00 | 0 | 97.3 | 70 | 130 | | | |
| 1.1.2-Tetrachloroethane | 19 | 1.0 | 20.00 | 0 | 97.0 | 70 | 130 | | | |
| 1,2,2-Tetrachloroethane | 19 | 2.0 | 20.00 | 0 | 96.5 | 65.9 | 133 | | | |
| etrachloroethene (PCE) | 21 | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | | |
| ans-1,2-DCE | 20 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | |
| rans-1.3-Dichloropropene | 18 | 1.0 | 20.00 | 0 | 88.1 | 70 | 130 | | | |
| 2.3-Trichloroberzene | 18 | 1.0 | 20.00 | 0 | 88.0 | 70 | 130 | | | |
| 2.4-Trichlorobenzene | 17 | 1.0 | 20.00 | 0 | 87.2 | 70 | 130 | | | |
| 1.1.Trichioroethane | -21 | 1.0 | 20.00 | 0 | 103 | 70 | 130 | | | |
| 12-Trichmellium | 19 | 1.0 | 20.00 | 0 | 95.4 | 78 | 130 | | | |
| richloroethene (TCE) | 20 | 1.0 | 20.00 | 0 | 102 | 70 | 130 | | | |
| richlorofluoromethane | 21 | 1.0 | 20.00 | 0 | 102 | 70 | 130 | | | |
| 2.3-Trichloropropane | 19 | 2.0 | 20.00 | 0 | 95.6 | 69.7 | 129 | | | |
| Inyl chloride | 20 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | |
| slenes, Total | 60 | 1.5 | 60.00 | 0 | 100 | 70 | 130 | | | |
| Surr. 1,2-Dichloroethane-d4 | 9.7 | 1.0 | 10.00 | | 97.3 | 70 | 130 | | | |
| Sur. 4-Browill with berched | 10 | | 10.00 | | 104 | 70 | 130 | | | |
| Sun DévotioAutoremané | 10 | | 10,00 | | 104 | 70 | 130 | | | |
| Surr. Toluene-d8 | 10 | | 10.00 | | | 70 | | | | |
| oun. rouene-ob | 10 | | 10.00 | | 104 | 70 | 130 | | | |
| Sample ID RB | SampT | ype: MI | BLIC | Ter | ICooli, E | PA Method | SZEDE: YOL | ATILES | | |
| Client ID: PBW | Batch | ID: RA | 13337 | 100 | RunNo: 4 | 3337 | | | | |
| Prep Date: | Analysis D | ete: p | 7/2017 | | SegNo: 1 | 364456 | Units: jug/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LOWLINK | HighLimit | %RPD | RPDLimit | Quai |
| Benzene | ND | 1.0 | | | | | | | | |
| loluene | ND | 1.0 | | | | | | | | |
| Bhylbenzene | ND | 1.0 | | | | | | | | |
| | | | | | | | | | | |
| Qualifiers: | | | | | | | | | | |
| * Value exceeds Maximum | Cleansand I | avd. | | B Analyt | districted i | n dia manifi | and Mithaul Bla | - Ar | | |
| 1) Nample Diluted Date to N | | 1.0 | | | | | | | | |
| H Holding times for preparation or analysis encoded | | | | E. Value above quantitation enois: J. Analytic detected below quantitation limits | | | | | Page 5 | 019 ··· |
| ND Not Detected at the Reporting Limit | | | | P Sample pri Nos in Range | | | | | | |
| PQL Practical Quanitative Lir | | | | RL Reporting Detection Limit | | | | | | |
| S % Receivery outside of m | | | | | | | is out of limit as | 1.000 | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

| Sample IT RB | Samp | Type: MB | LK | 1 | estCode: E | PA Method | 2268B: VOL | ATILES | - | |
|--------------------------------|---------------|---------------------|---|-----------|--------------|-----------------|-------------------|--------|----------|------|
| Client ID: PBW | Batc | hID: R4 | 337 | | RunNo: | 43337 | | | | |
| Prep Date: | Analysia I | | | | SegNo: | | Units: pg/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref V | al %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| lethyl tert-butyl ether (MTBE) | ND | 1.0 | | | | _ | | | | |
| 2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 2-Dichloroethane (EDC) | ND | 1.0 | | | | | | | | |
| 2-Dibromoethane (EDB) | ND | 1.0 | | | | | | | | |
| aphthalarva | ND | 2.0 | | | | | | | | |
| McCylsphildere | ND | 4.0 | | | | | | | | |
| Methylnaphthalene | ND | 4.0 | | | | | | | | |
| zetone | ND | 10 | | | | | | | | |
| romobenzene | ND | 1.0 | | | | | | | | |
| romodichioromethane | ND | 1.0 | | | | | | | | |
| romoform | ND | 1.0 | | | | | | | | |
| omomethane | ND | 3.0 | | | | | | | | |
| Sutanone | ND | 10 | | | | | | | | |
| arbon disulfide | ND | 10 | | | | | | | | |
| arbon Tetrachioride | ND | 1.0 | | | | | | | | |
| niorobenzene | ND | 1.0 | | | | | | | | |
| ioroethane | ND | 2.0 | | | | | | | | |
| loroform | ND | 1.0 | | | | | | | | |
| loromethane | ND | 3.0 | | | | | | | | |
| thlorotoluene | ND | 1.0 | | | | | | | | |
| Chlorotoluene | ND | 1.0 | | | | | | | | |
| -1.2-DCE | ND | 1.0 | | | | | | | | |
| 1,3-Dichioropopene | NE | 1.0 | | | | | | | | |
| 2-Dibromo-3-chloropropane | ND | 2.0 | | | | | | | | |
| bromochloromethane | ND | 1.0 | | | | | | | | |
| bromomethane | ND | 1.0 | | | | | | | | |
| 2-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| 3-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| 4-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| ichlorodifluoromethane | ND | 1.0 | | | | | | | | |
| 1-Dichloroethane | ND | 1.0 | | | | | | | | |
| 1-Dichloroethene | ND | 1.0 | | | | | | | | |
| P-Dichloropropane | ND | 1.0 | | | | | | | | |
| 3-Dichloropropane | ND | 1.0 | | | | | | | | |
| 2-Dichloropropane | ND | 2.0 | | | | | | | | |
| 1-Dichloropropene | ND | 1.0 | | | | | | | | |
| exachlorobutadiene | ND | 1.0 | | | | | | | | |
| Hexanone | ND | 10 | | | | | | | | |
| healiflers: | | | | | | | | | | |
| * Value exceeds Maximu | n Contaminant | Level. | | B Anal | vie detected | in the associat | ted Method Bla | nk | | |
| D Sample Diluted Due to | | | | | | titation range | | 200 | | |
| IT Halding times for prepa | | ententei | | | | telow quantit | | | Page 6 | of 0 |
| ND Not Detected at the Rep | | | | 1.1.1.2.4 | de pH Not la | | | | Y alle D | |
| QL Practical Quanitative Li | | | | | rting Detect | | | | | |
| S % Recovery outside of a | | diam and the second | and an and an and an and an and an and an an and an an an an an an an an an an an an an | | | | is out of limit a | | | |

Wire 198311

20-Jan-17

- ND
 Not Detected at the Reporting Limit

 PQL
 Practical Quanitative Limit

 S
 % Recovery outside of range due to dilution or matrix

| QC SUMMAF Hall Environme | | | | ory, Inc. | - | | | - | WOw. | 1706323 20-Jun-17 |
|-----------------------------|---------------------------------|----------|-----------|-------------|----------|------------|-------------|-------|----------|----------------------|
| | ern Refining 3 ine Frac Tank | | | | | | | | | |
| Serople ID RD | Samp | Types Ma | BLK | Tes | CANIN E | PA Methind | AZCON VOL | ATRES | _ | |
| Client ID: PBW | Batch | 1D. R4 | 3337 | | Burble A | 3337 | | | | |
| Prep Date: | Analysis D | Date: 6 | 7/2017 | 5 | SegNo: 1 | 364456 | Units: µg/L | | | |
| Analyle | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Isopropylbenzene | ND | 1.0 | | | | | | | | |
| 4-Isopropyltoluene | ND | 1.0 | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 10 | | | | | | | | |
| Meiligkene Clikulde | ND | 3.0 | | | | | | | | |
| n-Butylbenzene | ND | 3.0 | | | | | | | | |
| n-Propylbenzene | ND | 1.0 | | | | | | | | |
| sec-Butylbenzane | ND | 1.0 | | | | | | | | |
| Styrene | ND | 1.0 | | | | | | | | |
| web-Buit/beeszene | ND | 1.0 | | | | | | | | |
| 1.1.1.3-Teirachbrooihane | AD. | 1.0 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | | | | | | | |
| Terrachioroethene (PCE) | ND | 1.0 | | | | | | | | |
| trans-1,2-DCE | ND | 1.0 | | | | | | | | |
| trans-1,3-Dicht/speserie | 9023 | 1.0 | | | | | | | | |
| 9.2.3-Tinchilotoinerdante | ND | 1.0 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2-Trichloroeihane | ND | 1.0 | | | | | | | | |
| Trichloroethene (TCE) | ND | 1.0 | | | | | | | | |
| Inchiorofluoromethane | ND | 1.0 | | | | | | | | |
| 1.2.3-Trichloropropane | ND | 2.0 | | | | | | | | |
| Vinyi tsiloride | CI/I | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Sur: 1,2-Dichloroethane-d4 | 9.8 | | 10.00 | | 98.3 | 70 | 130 | | | |
| Sun: 4-Bromofluorobenzene | 10 | | 10.00 | | 103 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 11 | | 10.00 | | 107 | 70 | 130 | | | |
| Surr: Toluene-d8 | 10 | | 10.00 | | 99.7 | 70 | 130 | | | |

| 10.0 | MMARY | | | | ory, Inc. | | | | | WIN- | 1706323 78-709-13 |
|--|--|------------------|--------------------------|-----------------------------|------------------|--------------------------------|------------------------------|--|------|----------------|----------------------|
| Client: Project: | Wessian F Pipeline F | | | | | | | | | | |
| Semple 10 Direct ID Prep Date: | MID-02209 PDW 6/14/2017 | | Fyser, Mill Fritt, 32 | 763 | 1.3 | niCialar I RiunNa SecNo: | 43487 | Vate: Mercu | | | |
| Analyte Mercury | | Result | PQL 0.00020 | | SPK Ref Val | | LowLimit | HighLimit | %RPD | RPOLimit | Qual |
| Client ID | LCS-32269 LCSW 6/14/2017 | | POL | 268 14/2017 SPK value | 3 | Rammar. BugMu. | 5145/ 1369693 LowLimit | 7478: Mercu Unita: mg/L HighLimit 120 | | RPDLimit | Qual |
| | 1706322-001BMS Hydro Test Wathr 6/14/2017 | Samp | Type: Mi h ID: 32 | S 2409 | Ter | | EPA Method 43487 | 7470: Mercu Units: mg/L | · | | |
| Analyte Mercury | | Result 0.0049 | PQL 0.00020 | SPK value 0.005000 | SPK Ref Val 0 | %REC 98.2 | | HighLimit 125 | %RPD | RPDUmt | QUBI |
| Sample ID Client ID: Prep Date: Analyte | 1706322-0010MSC Hydro Test Water 6/14/2017 | | Date: 6 | 269 | | RunNo: SeqNo: | 43487 | 7470: Nercas Units: mg/L HighLimit | ÷ | RPDLimit | Qual |
| Mercury | | | 0.00020 | 0.005000 | SPK Ref Val | %REC 92.8 | | HighLimit 125 | 5.71 | PPDLimit 20 | crual |

- Qualifier:
 •
 Value exceeds Maximum Contaminant Level.

 D
 Samole Diluted Due to Matrix
 1
 Holding times for preparation or analysis exceeded

 ND
 Non Doassonia with Reporting Limm
 PQC
 Prescied Quantitive Limit

 S
 % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J. Analyte detected below quantitation limits:
 r sample pit Not in Range
 RL Reporting Detection Limit:
 W Sample comine temperature is out of limit as specified

Page 7 of 9

- Fi Analyse denoted in the neurotated Method Blank
 E Value advece quantitation range
 J Analyse denoted before quantitation limits
 P Sample pit Not in Range
 RL Reporting Detection Lamit
 W Sample container temperature is out of limit as specified Page 8 of 9

- Qualifiers:
 •
 Value stands Maximum Genzaminus Level.

 D
 Samole Dohard Dari is Mariv
 •
 •

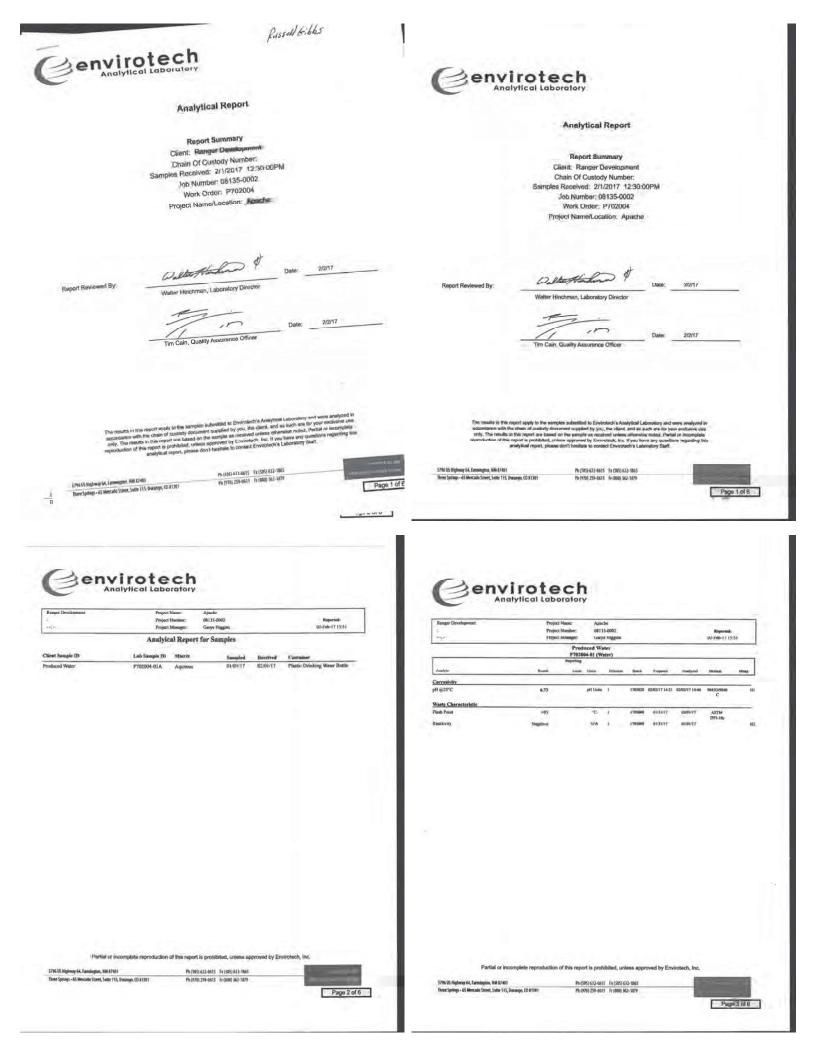
 II Halaing times for preparation on analysis extended.
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| | Refining Southwest, Inc. Frac Tank Hydro Water | | | b-Jon-17 | AHALYSIS LABORATORY | 788, 303-343-3873 FAN 385-343- Bodan | Lesa | |
|---|---|---|---|---|---|--|--|--|
| ample ID MB-32235 | SampType: MBLK | TosiGodo: EPA 6010B: Total R | Recoverable Metalo | | Client Name: Western Refining Southw | Work Order Number: 1706322 | Roptive. | |
| Tep Dele: 6/13/2017 | Batch ID: 32235 Analysis Date: 6/13/2017 | RunNo: 43448 SeqNo: 1368063 Units | | | Received By: Anne Thorne Completed By: Bophis Campuzano | 6/7/2017 7:30:00 AM 6/7/2017 0:10:16 AM | am the | |
| nalyte senic rium | ND 0.020 ND 0.020 | /al %REC LowLimit High | Limit %RPD RPDLimit Q | ual | Reviewed By. No | 6/7/17 | | |
| dmium romium ad | ND 0.0020 ND 0.0060 ND 0.0050 | | | | Chain of Custody 1. Guolody seals start on sample bottles? | 700 | No 🗍 Noi Present 🗹 | |
| lenium var | ND 0.050 | | | | 2. Is Chain of Custody complete? 3. How was the sample delivered? | Yes M Courier | No 🗌 Not Present 🗌 | |
| ample ID LCS-32235 Javril ID: LCSW | SempType: LC5 Batch ID: 32235 | TesiGode: EPA 6010B: Total R Rommo: 41448 | Recoverable Mate's | | 4. Wes an attempt made to cool the sample | w? Yes 🗹 | | |
| rep Date: 6/12/2017 | Analysis Date: 6/13/2017 Result PQL SPK value SPK Ref. | SeqNo: 1368064 Units: | : mg/L Limit SLRPD RPDLimit G | | 5. Were all samples received at a temperatu | | No 🗆 NA 🗆 | |
| enc ium | 0.53 0.020 0.5000 0 0.51 0.020 0.5000 0 | 0 106 80 0 102 80 | 120 120 | | 6. Sample(s) is proper container(a)? | Yes M | No 🗀 | |
| ámium romium id | 0.51 0.0020 0.5000 0 0.51 0.0060 0.5000 0 0.51 0.0050 0.5000 0 | 102 80 | 120 120 120 | | 7. Sutflictent sample volume for indicated tas 8, Are samples (except VOA and ONG) prop | | No 🗆 | |
| enium er | 0.51 0.050 0.5000 0 0.10 0.0050 0.1000 0 | 102 80 | 120 120 | | 9. Was preservative added to bottles? | Yes 🗋 | No 🗹 NA 🗆 | |
| | | | | | 10. VOA viats have zero headspace? 11. Were any sample containers received bro | Yes 🗹 Yes 🗌 | No No VOA Vials | 1 |
| | | | | | 12 Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes. M | | or >12 units s noted) |
| | | | | | 13. Are matches correctly identified on Chain 14. Is it clear what analyses were regressed? | Yes 😥 | No C Argusted? | 10 |
| | | | | | 15, Were all fielding times able to be mel7 (if no, notify customer for authorization.) | Yes 🕑 | NO Checked by. | Olto. |
| | | | | | Special Handling (If applicable) 16. Wea client notified of all discrepancies will | In this older? Yes 🗆 | No 🗆 NA 🗹 | |
| | | | | | Person Notified: | Date | Phone E Fax In Person | T |
| | | | | | Regarding: Client Instructions: | | | |
| alifiers: | | | | | 17. Additional remarks: | | | |
| Value exceeds Maximum (Sample Diluted Due to Ma | rix E Val | alyte detected in the associated Met lue above quantitation range | | | | Scul tribuct Simil Mr. Simil Onto | Signed By | |
| Holding times for perparati D Not Detected at the Report D. Practical Quanitative Limit | ng Limit P San | alyze detected befow quantization du npic pH Noi In Range porting Detection Limit | Page 9 of 9 | | Page 1 of 1 | antenne fanis in 1 - 5, | | |
| 5 % Recovery outside of rang | | | | | | | | |
| ORY | (M to Y) arriteo⊟ teA Manual a many | | | 2 | SL, Amerika, NM 1921-6 actor Rosé, Aziec, MM 87410 Francis Dr., Santa Pe, NM 87305 | State of New Mexico ergy Minerals and Natural Res Oil Conservation Division 1220 South St. Francis D Santa Fe, NM 87305 | ources *Surfacy Wate Marea and Generator the documentation available | Revised August 1, 2011 |
| HALL ENVIRONMENTAL ANALYSIS LABORATORY www.iselencerone.nki.gm cs.Nf - Altogenole. Nki.87109 65.975 - Exp. Scotler.fto 64.975 - Exp. Scotler.fto | (May a development) acts (May a development) for (May a development) for (May a development) for (May a development) (May a de | | wither Areas fine thanks. | P I I Generative State S | BL ANDIA SMITTEIN BL ANDIA SMITTEIN ANDIA AND AND AND AND AND AND AND AND AND AN | ergy Minerals and Natural Res Oil Conservation Division 1220 South St. Francis Division Santa Fe, NM 87305 APPROVAL TO ACCE 2014 SHOP CUST State or ULSTR): | ources Sordary Waste Maren and Generator dia occumentation available CPT SOLID WASTE | Form C-138 Revised Angust I, 2011 rement Facility: Operation I maintain and make third in Division interestion |
| HALL ENVIRONM ANALYSIS LABOR worldateropresident Prankrs NE - Altoqueton (MLB7 418 245 3476 Ex 205-3426-4107 | (1, 10, 1) sourgers 447 (1, 10, 1) sourgers 447 (1, 10, 1) sourgers 447 (1, 10, 1) sourgers 447 (1, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1 | | tast water frem fraction Ks | Transon Transon Provide State Provide State | BE ANDIA SOMETION BE ANDIA SOMETION ANDIA SOME THAN BY SOS REQUEST FOR A rator Name and Address: Ran up-DEvelopman insting Site: Developman Saves City, Up AL 34-2 tobo of Material Sites Address, City, Count Material Sites Address, City, Count Description of Water Developman Developman count Description of Water Developman Saves | ergy Minerals and Natural Res Oil Conservation Division 1220 South St. Francis Dr Santa Fe, NM 87305 APPROVAL TO ACCEP 29.4 5400 C155 State or ULSTR): M Adium Well | SPT SOLID WASTE | Form C-138 Revised August 1, 2011 general Fuelling Uper store reactings and makes this in Division Interestion (60) Dellar TA |
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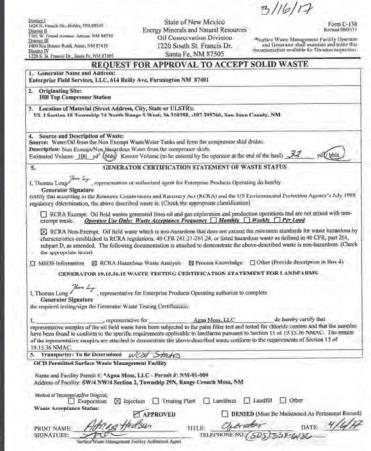


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| Image: construct of the second sec | Tea Tea <td>FROM 1: H & M Precision Products Inc. PHORE 161. 1: S06 326 4949 PLG. 28 2014 09:1549/ PL PLG. 29 2014 09:1549/ PL PLG. 20 2014 09:1549/ PL PLG. 20 2016 10 Nov Mexico PLG. 20 2016 10 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016</td> | FROM 1: H & M Precision Products Inc. PHORE 161. 1: S06 326 4949 PLG. 28 2014 09:1549/ PL PLG. 29 2014 09:1549/ PL PLG. 20 2014 09:1549/ PL PLG. 20 2016 10 Nov Mexico PLG. 20 2016 10 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 11 Nov Mexico PLG. 20 2016 |
| Политически | Tea Tea <td>FROM 1 H & M Precision Products Inc. PHDE 161. 1 State 0 New Mexico Pure 3 Provide many fact holds (Nit M200 State 0 New Mexico Pure 3 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 3 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide Minerals (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide Minerals (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide Minerals (Nit M200 Provide Minerals (Nit M200 Provide Minerals (Nit M200 Part C R Sabss (Paintagriad) / Not March (Part 9) Provide Minerals (Nit M200 Provide Minerals (Nit M200 ************************************</td> | FROM 1 H & M Precision Products Inc. PHDE 161. 1 State 0 New Mexico Pure 3 Provide many fact holds (Nit M200 State 0 New Mexico Pure 3 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 3 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide many fact holds (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide Minerals (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide Minerals (Nit M200 Digging Minerals and Natural Resource) Pure 4 Provide Minerals (Nit M200 Provide Minerals (Nit M200 Provide Minerals (Nit M200 Part C R Sabss (Paintagriad) / Not March (Part 9) Provide Minerals (Nit M200 Provide Minerals (Nit M200 ************************************ |
| Паке < | The second scriptor | FROM 1: H & M Precision Products Inc. PHOE 160. 1: S05 326 4949 CP. Pug. 28 2014 081:544P PI. Bind 1 State of New Mexico Formation Products Inc. Format |

| Second as the Constitution | |
|--|--|
| istrict.1 K25 N. French Dr., Hobbs, NM 88240 Wrgs.II 5. Frent Sr., Artesia, K34 88210 | State of New Mexico Form C-13 Energy Minerals and Natural Resources Revend August 1 and |
| 10 Alto Brook Bood, Amer. 500 (541) | Oll Conservation Division "Nurture Waster Management Encling Agents and Contractor alial material material |
| tapper 15 220 5 Ar Francis Dr., Barna Jin, Hild 87503 | 1220 South St. Francis Dr. Accommodation available are Division requisitor Santa Fe, NM 87505 |
| PEOUEST | FOR APPROVAL TO ACCEPT SOLID WASTE |
| Generator Name and Address: | Farmins |
| Financiale LA | + Schutzers 2505 E Main Scheer Rim 81 |
| 2505 E. 197010 S | Steret FFIRMINGTON NIM 87401 |
| 2565 E. MININ St | Rect FARMINGTON NUM 87401 |
| Source and Description of Waste: | H) rough that to Histi Steamere. Clean pumps |
| or Report, clean o | # oil, paratin, saves Cine genes |
| simuled Volume 30 this | Knowni Volume to be untered by the operator of the end of the hault 20 yd (http: TOR CKETHECATION STATEMENT OF WASTE STATUS. |
| certify that according to the Resource Cou | Seminive or audinized agent for ELTLS FOLCE LAT Study to do hereby mervinion and Resports Ad (RERA) and the EXEmptionential Protection Agency Fuely 1990 field wave fit (Deek the appropriate classification). |
| RCRA Exempt: Oil field waster | generated from oil and gas exploration and production operations and are will mixed with non- nly. Water Acceptionse Frequency Monthly Weekly PerLoad |
| characteristics established in RCRA | vate which is non-bizarithin lihel does not exceed the similation standards for wate inszardous t regulations. 40 CFR 261(2):261-34, or lined hazardous wate as defined in 40 CFR, part 261, ng documentation is attached to demonstrate the above-described waste is non-hazardous. (Chec |
| MSDS Information D BCRA Haz | andnus Waste Analysis 😰 Process Knowledge 🖂 Other (Provide description in Bins 4) |
| GENERATOR 19.15.36.15 | WASTE TESTING CHRTIFICATION STATEMENT FOR LANDFARMS |
| representative samples of the oil field we have been found in conform to the special | esentative for |
| 5. Transporter: (4) Torick | ING |
| CD Permitted Surface Waste Manage | |
| Name and Facility Permit # 101-0. Address of Facility (B) 10 152 | 1949 BILLED, WEL STITU |
| Address of Facility LD LO JOL 1 | A NAM ACTOR OF |
| Method of Treatment and/or Disposal: | |
| | eslon 📋 Treating Plani 🔲 Luidflarm 📄 Luidflik 🔲 Office |
| Waste Acceptance Status: | APPROVED DENIED (Must Be Maintained As Permanent Record |
| RINTNAME CALLE TUSS | AL MILL SUPERION DATE A17 |
| | |

2017

| C.S. | Andress States Party Control P | ASW Lay MARXWELLS (100, 100, 100, 100, 100, 100, 100, 100 | 1000 100 100 100 100 100 100 100 100 10 | 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | ÷ | | Le 3/10 1737 BOTATER & LEO Full Listitude Empound Description man man man man man list the function of the second |
|----------------|--|---|---|--|---|-------------------|--|--|
| Extendere Rush | HIDISCI W | T'S Manager | Benpler: Kuudy On los 3765 | Sample Tempenture: | Container Pressivative Tipe and # Type | the row Uphious | | Record by Alark |
| | Arter ing has sheep 87401 | L Contraction | | | Sample Request ID | to have listen !! | | Ly well |
| A Mars | city a | Auble | d Ofter | | Watrix | · | | NE |
| Actress | Horn | - Bree | AF | EDD (Type) | Time | 2.0 | | HELL I |
| Cient | Home # | email or Faid CAVOC Paide | Accreditation D NELAF | D EDO | Date | | | Sel-16 |



| Client Name SMA-FARM Work Order Number | r 1003077 | | Hispilikin T |
|--|-----------|---------------|-----------------------------------|
| toround by the AT 13.02 Mc | | | |
| aggint By Lindiary Manglin 3/2/2016 7:00.02 AM | | High | |
| completed By Lindson Mangin 3/2/2015 / 58:01 AM | | autor | |
| | | 0.4.4 | |
| hain of Custody | | | |
| 1 Custody sears intact on sample hotber? | Vm | NC | Not Present M |
| is Chain of Custody comovie? | Yes W | No | Not President |
| How was the sample dolwood? | Couner | | |
| | 1.11 | | |
| .og In | | 1.00 | 10 |
| Wax an allempt made to cool the samples? | Yas 🕈 | 140 | Haft - |
| 5. Were all samples received at a temperature of >0" C to 5.0"C | Yes 🗹 | No 🗔 | NA 🗔 |
| 6. Sample(s) in proper container(s)? | Yes 🗹 | No 🗌 | |
| / Stuffickers sampte volume for reducated an Us (* | Yes 🖌 | No 1 | |
| 5. Are complex (owned VOA and OHG) property preserved? | V 494 | No | |
| 9 Was preservative acced to boll es? | Ves | tes 📌 | M |
| 10. VOA visis have zero headapace? | | No E | No WOA Viels |
| 1. Were any sample containers received tooken? | Yes. | Nu 😿 | |
| | | | # of preserved potiles chucked |
| 12. Does paperwork match bottle sitiets? (Note discrepancies on chain of custody) | Yes of | No | fol pH: (<2 or >12 unless obtain |
| Are matrices correctly identified on Chiles of Custody? | Ves 🖌 | 140 | Advated? |
| 1d, to it close what analyses were requested? | Yes 🐓 | No | |
| Ware all fixeding times able to be mail? (if no, worky customer for autocritetion.) | You V | No | Classified by |
| | | | |
| pec/al Handling (If applicable) 16 Was clent notified of all discrepancies with Urs order? | Yes - | 544 | NA M |
| | | | 0.0 |
| Person Notified: Date By Wison. Via- | | Phone Tax | in Person |
| Rigading | citati | Counter Labor | at ment |
| Client Instructions: | | | |
| 17. Additional mmarks | | | |
| | | | |
| 18. Cooler No. Terry *C Candition Seni Intuct Seni Ho | Seal Date | Signed By | |
| 1 14 Good Not Present | | | 6 |

QC SUMMARY REPORT

WOR. 1603077 Hall Environmental Analysis Laboratory, Inc. 17-Mar-16

Client: Project: Souder, Miller and Associates Lindreth CS

 Qualifiers:
 Value records Missimum Comminant Level.

 Value records Missimum Comminant Level.
 Sample Ushnot Use to Mistrie

 Holding times for preparation or analysis exceeded
 NID

 Nat Demosal at the Reporting Limit
 R. RPD ouesde acceptor exceeding limits

 S
 % Recovery outside of range due to dilution or matrix

| Sample ID vsb deli | SampT | ype: Mi | BLK | Tes | tCode: El | PA Method | 8260B: VOL | ATILES | | |
|----------------------------|------------------|---------|-----------|-------------|-------------|-----------|-------------|--------|----------|-----|
| Etient ID: PEW | Batch ID: R32659 | | F | tunNo: 3 | 2659 | | | | | |
| Prep Date: | Analysis I | hale. 3 | 8/2010 | 2 | seqtio: 9 | 99266 | Links, upl. | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qua |
| Vinyl chloride | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Sem 1,2-Dichlomethane-d4 | 10. | | 10.00 | | 103 | 70 | 130 | | | |
| Sur: 4-Biomaliupoliestene | 11 | | 10.00 | | 106 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 11 | | 10.00 | | 112 | 70 | 130 | | | |
| Surr: Toluene-d8 | 11 | | 10.00 | | 110 | 70 | 130 | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

1603077

17-Mar-16

WOM

| Tlient: Project: | Souder, Miller and Lindreth CS | A SHOCIDIUS | | | | | | |
|---|-----------------------------------|---------------|-------------|-----------------------|----------------|--------|-----------|-------|
| Sample (D visb de | ell Sampl | YON MOLK | Tesi | Code: EPA Method | 102606: VOL | ATILES | | |
| Client ID PBW | Bate | h ID. 832659 | R | unNo: 32659 | | | | |
| Prep Date: | | Ama: 3/8/2018 | ś | 692660 : 099368 | Unite Hal | | | |
| | | | | | | %RPD | RPOLIMA | Quil |
| Pinalyte | Result | | SPK Hef val | %REC LowLimit | Pignumit | 251090 | PO-LILIMA | Laure |
| -Chlorotoluene is-1.2-DCE | ND ND | 1.0 | | | | | | |
| | | 1.0 | | | | | | |
| is-1,3-Dichloropropene | | 2.0 | | | | | | |
| 2-Dibromo-3-chloropr ibromochloromethane | | 1.0 | | | | | | |
| koromocnioromeinane Noromomethane | ND | 1.0 | | | | | | |
| | ND | 1.0 | | | | | | |
| 2-Dichlorobenzene | ND | 1.0 | | | | | | |
| 3-Dichlorobinzane | ND | 1.0 | | | | | | |
| 4-Dichlorobenzene | | 1.0 | | | | | | |
| ichlorodifluoromethan | ND ND | 1.0 | | | | | | |
| ,1-Dichloroethane | ND | 1.0 | | | | | | |
| 1-Diddona/Game | ND | 1.0 | | | | | | |
| 2-Okthoroprosele 5-Okthoroprosele | ND | 1.0 | | | | | | |
| 2-Dichloropropanie | ND | 2.0 | | | | | | |
| 1-Dichloropropene | ND | 1.0 | | | | | | |
| Iexachlorobutadiene | ND | 1.0 | | | | | | |
| Hexanone | ND | 10 | | | | | | |
| coropy/benzene | ND | 1.0 | | | | | | |
| -tsopropytolizene | ND | 1.0 | | | | | | |
| Methyl-2-pentanone | | 10 | | | | | | |
| Methylene Chloride | ND | 3.0 | | | | | | |
| -Butylbenzene | ND | 3.0 | | | | | | |
| -Propylaenzenie | ND | 1.0 | | | | | | |
| ec-Butybertam | ND | 1.0 | | | | | | |
| аргануранганны Зтупеле | ND | 1.0 | | | | | | |
| eri-Butyibenzene | ND | 1.0 | | | | | | |
| 1,1,1,2-Tetrachloroeth | | 1.0 | | | | | | |
| 1,2.2-Tetrachioroeth | | 2.0 | | | | | | |
| etrachloroethene (PC | | 1.0 | | | | | | |
| rans-1.2-DCE | ND | 1.0 | | | | | | |
| rans-1,3-Dichloropros | | 1.0 | | | | | | |
| 2.3-Trichlorobenzerv | | 1.0 | | | | | | |
| 2.4-Trichlorobenzen | | 1.0 | | | | | | |
| 1,1-Trichloroethane | ND | 1.0 | | | | | | |
| 1,2-Trichkorenthann | ND | 1.0 | | | | | | |
| Inchisroothere (TCE) | | 1.0 | | | | | | |
| Trichlorofucromenter | | 1.0 | | | | | | |
| 2,3-Thchioroproperv | | 2.0 | | | | | | |
| Qualifiers: | | | | | | | | _ |
| | de Maximum Contamuna | Level. | B Analys | detected in the anioc | inted Method B | tank | | |
| | ted Due to Matrix | - Constant | | bove quantitation ran | | - | | |

 D
 Sample Divised Due to Matrix.

 H
 Holding times for preparation or analysis espected

 ND
 Not Detected at the Reporting Limit.

 R
 RPD sounds accepted recovery limit.

 S
 % Recovery onside of range due to dilution or marity.

 E Value above quantitation range:
 Analyse detected before quantitation limits
 P Sample for Not in Kings
 K1. Reporting Detection Limit
 W Sample containes temperature is out of limit as specified Page 5 of 6

Ellings, M1 800,735,4408 + Caveir WV 888,235,0515 College Station, VX 886,590,7216 + Caluen, WV 861,666,7175 + Horens, M1 877,472,19711

| Hall Environme | ntal Anal | veie I | abarat | any Inc. | | | | | 49422 | 1403077 |
|--------------------------------|----------------|----------|-------------|---------------|------------|-----------------|----------------|--------|---------------|-------------|
| the say to marc | num runa | 9 440 1 | Jacobrat | ory, me. | - | | | _ | _ | 1 Pedary Co |
| | er, Miller and | Associa | des | | | | | | | |
| Project: Linds | reth CS | | | | | | | | | |
| Sample ID 100ng los | Samp | Typic LO | :5 | Tas | ICude E | PA Meibod | 82108: VOL | ATILES | | |
| Climit 12: LOSW | Benc | ND: R | 2659 | | iunitio: 3 | 2659 | | | | |
| Prep Date | Arialysie 1 | Jole 3 | 8/2016 | | SegNa 9 | 99258 | Unite HIPL | | | |
| Analyle | Result | POL | SPK value | SPK Rel Val | KREG | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 21 | 1.0 | 20.00 | 0 | 103 | 70 | 130 | - | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 105 | 70 | 130 | | | |
| Chlorobonzono | 22 | 1.0 | 20.00 | 0 | 108 | 70 | 130 | | | |
| 1,1-Dichloroethene | 23 | 1.0 | 20.00 | 0 | 115 | 70 | 130 | | | |
| Trichlorowhene (TCE) | 50 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| Sum 1,2 Dichloroeithone d4 | 9.7 | | 10.00 | | 97.0 | 70 | 130 | | | |
| Sur: 4-Bromo@uorobenzene | 10 | | 10.00 | | 104 | 70 | 130 | | | |
| Sur: Dibromofluoromethane | 11 | | 10.00 | | 114 | 70 | \$230 | | | |
| Sur: Toluene-d8 | 9,8 | | 10.00 | | 98,0 | 78 | 450 | - | | |
| Sample ID vsb dell | Samp | lýpe: M | BLR | 793 | (Code: E | PA Melhad | SZEOBI VOL | ATILES | | |
| Cilerii ID: PBW | Beic | h (D) R | 2659 | Funitio 32650 | | | | | | |
| Prep Date: | Analysis | Jale: 3 | 012016 | | SenNo: 9 | 99268 | Units port | | | |
| Analyte | Result | POL | SPK ust us | SPK Ref Val | SREA | Lond Inte | HighLimit | %RPD | RPDLimit | Osai |
| Benzene | ND | 1.0 | 58 IS 96000 | | anticle. | ANNUAL PROPERTY | - And a Caller | antru | the sections. | - manual |
| Tokene | ND | 1.0 | | | | | | | | |
| Eihiltentere | ND | 1.0 | | | | | | | | |
| Millhyl Mat-bulyl ether (MTBE) | ND | 1.0 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 135Time hybergene | ND | 1.0 | | | | | | | | |
| 1.2 Dichloroelhane (EDC) | ND | 1.0 | | | | | | | | |
| 1.2-Dibitstoni/bane (IID0) | ND | 1.0 | | | | | | | | |
| Maphthaliein | NO | 20 | | | | | | | | |
| 1-Melhylnaphthalene | ND | 4.0 | | | | | | | | |
| 2-Methylwap/thallwar | ND | 4.0 | | | | | | | | |
| Acitone | ND | 10 | | | | | | | | |
| Bromobenzene | ND | 1.0 | | | | | | | | |
| Bromedichiorom | ND | 1.0 | | | | | | | | |
| Bromolom | ND | 1.0 | | | | | | | | |
| Bromomethane | ND | 3.0 | | | | | | | | |
| 2-Butanow | NO | 10 | | | | | | | | |
| Carbon distallale | NO | 10 | | | | | | | | |
| Carbon Tetrachloride | ND | 1.0 | | | | | | | | |
| Chlorobenzene | ND | 1.0 | | | | | | | | |
| Chloroethane | ND | 2.0 | | | | | | | | |
| Chioroform | ND | 1.0 | | | | | | | | |
| Chloromethane | ND | 3.0 | | | | | | | | |
| 2-Chlominiuana | ND | 1.0 | | | | | | | | |

 Analyte dotted in the suscented Method Blink.

 Value above quantitation range

 J Analyte detected below quantitation limits

 P Sample gl Not in Range

 R Repring Detection Limit

 W Sample container temperature is out of limit as specified

Page 6 of 6

Value exceeds Maximum Contaminant Level.

- Value execute Maximum Constrainant Level.
 Sample Disined Due to Matrix
 Holding times for proportion of analysis exceeded
 ND Not Detected at the Reporting Limit
 KEP3 round accepted acceptory limits
 Sy Recovery number of range due to dilution or matrys

 11 Analyte detected in the unsociated Mathema Illandi
 11 Value above quantitation range 11 Analyse decord in the uncertainty finance
 11 Value door quantitation unsplit
 1 Analyse descend below quantitation limits
 7 Sample pl Noi In Barge
 10. Reporting Derevisus Limit
 W Sample constations temperature is not of limit as specified

Page 4 of 6

ENERGY E Tout our Popula Tout our Data

| | | | | Prepared | t by Billings. M | T Brand | ah i | | | | |
|--------------------|--------------------|-------|--------------------|------------|-------------------------|---------|-------------|----------------|-------|-------------------------|----------|
| Clients | Hall Environmontal | | | | | | | | | : 03/14/16 : B160304 | NF. |
| Project: | Not indicated | | | | | _ | | WORK | Juner | : D 100304 | 00 |
| Analyte | | Count | Result | Unite | m _ | N.REC | Low i Insli | High Linds | RPD | RPDI Imil | Qual |
| Method: | SW7470A | | | | | | | Analytica | Rut | HGCV202-B | 1603084 |
| Lab ID: Mercury | KCV | âr | Alel Calibration | mg/L | ion Standard 9.00010 | 105 | 90 | 110 | | 05/09 | 16 15:50 |
| Melhod: | 5W7470A | | | | | - | | - | - | Ba | ch: 9745 |
| Lab ID: Moreary | MB-97457 | N | Whited Blank ND | mail. | 45-05 | | Run: HGC | v202-8_160309A | | 03/09 | 16 15.50 |
| Lab ID: | LCS-97457 | | aboratory Con | trol Sampl | e | | Run: HOC | /202-8_160308A | | 03/09 | 16 15 57 |
| Mercury | | | 0.00205 | mg/L | D.00010 | 102 | 80 | 120 | | | |
| Lab ID: | B16030191-005CDIL | . s | erial Dilution | | | | | V202-B_160309A | | | 16 16:03 |
| Mercury | | | 0.000138 | mg/L | 0.00025 | | 0 | 0 | | 10 | |
| Lab ID: | 816030191-005CMS | i s | ample Maleix | Spike | | | Run: HGC | V202-8_160309A | | 03/06 | 16:05 |
| Mercury | | | 0.00154 | mg/L | 0.00010 | /0 | 75 | 125 | | | 8 |
| Lab 10: | 016030191-005CMS | D S | ample Matin | Spike Dup | ficale | | Run: NGC | V202-8_150308A | | | 16 10:0 |
| Maroury | | | 0.00152 | mgit | 0.00010 | 60 | 75 | 125 | 1.2 | 20 | 8 |

QA/QC Summary Report

Qualifiers:

RL - Analyte reporting limit. S - Spike recovery outside of adveory imits.

ND Net detected at the reporting limit.

ENERGY E InntourPeople, Tourou Gast Status, To BBE ERD 2218 + Gamin, WY BBE 866,7175 - Mains MY 877,472.0711 QA/QC Summary Report Prepared by Billings, MT Branch

| and a second second | fall Environmental. Iol Indicated | | | | | | | | | 03/14/18 B1603040 | 36 |
|---------------------|--------------------------------------|-------|---------------|---------------|--------|------|------------|--------------|-----|----------------------|-----------|
| Analyte | | Count | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLink | Qual |
| Method: | 5W6010B | | | - | | - | | | - | Bat | ch: 97382 |
| ab ID; | B18030485-0038DIL | 7 54 | mail Dilution | | | | Flue ICP20 | 3-8_160308A | | 03/08 | 16 13:01 |
| Ansenic | A DIMENSION OF STREET | 11.00 | ND | mpA | 1.7 | | a | u | | 10 | |
| Banum | | | 0.0549 | noA | 0.050 | | 0 | D | | 10 | N |
| Cadmium | | | ND | mark | 0.041 | | D | 0 | | 10 | |
| Chromium | | | ND | mg/L | D.27 | | D | 0 | | 10 | |
| Laad | | | ND | mpil | 1.0 | | D. | D | | 10 | |
| Selenium | | | ND | mg/L | 2.0 | | 0 | 0 | | 10 | |
| Silver | | | ND | mgL. | 0.30 | | 0 | 0 | | 10 | |
| :Di de | B10030465-0038PDS | 5 7 P | st Digestion | Chatilation S | piko | | Ran: ICP2 | AN02031_6-24 | | 03/08 | 16 13-36 |
| Arsenic | | | 20.5 | nat | 0.35 | 100 | 75 | 125 | | | |
| Banum | | | 19.7 | mort | 0.050 | 96 | .75 | 123 | | | |
| Cedmium | | | 9.51 | mg/L | 0.0085 | 93 | 75- | 125 | | | |
| Claumian | | | 19.4 | mpt. | 0.065 | | 75 | 125 | | | |
| Lead | | | 19.4 | mg/L | 0.33 | 94 | 75 | 125 | | | |
| Selenium | | | 19.9 | mg/L | 0.41 | \$7 | 75 | 125 | | | |
| Silver | | | 9.74 | mg/L | 0.061 | 95 | 75 | 125 | | | |
| ab ID | 910030405-0038MS | 1.8 | ample Malmi | Spike | | | HUN: ICP2 | A900001_8-00 | | 03/06 | 010 13.40 |
| Assentic | | | 0 701 | mpl. | 0.34 | 141 | 75 | 125 | | | S |
| Barlum | | | 5.52 | mg/L. | 0.050 | 100 | 75 | 125 | | | |
| Gadmium | | | 0.252 | mgA | 0.0083 | 101 | 75 | 125 | | | |
| Chromius | | | 0.455 | ngA | 0.053 | -91 | 75 | 125 | | | |
| Lead | | | 0.576 | mp/L | 0.32 | 115 | 75 | 125 | | | |
| Selenium | | | 0 295 | mg/L | 0.20 | 60 | 75 | 125 | | | 2 |
| Silver | | | 0 320 | mest | 0.060 | 158 | 75 | 125 | | | s |
| ab ID: | B16030465-003BME | 0 7 8 | ample Mality | Spike Duplic | ale | | Ren: ICP2 | AB06001_B-60 | | 03/06 | 118 13 43 |
| Arsenia | | | 0.830 | mol | 0.34 | 165 | | 125 | 17 | 20 | 8 |
| Banum | | | 5,41 | mpil | 0.050 | 95 | 76 | 125 | 21 | 20 | |
| Cedmium | | | 0.236 | mpil | 0.0083 | | 75 | 125 | 8.5 | 20 | |
| Ch/omium | | | 0.474 | mark | 0.053 | 95 | 75 | 125 | 3.9 | 20 | |
| Lead | | | 0.680 | mark | 0.32 | 135 | 76 | 125 | 17 | 20 | 8 |
| Selenium | | | 0.325 | mg/L | 0.20 | 65 | 75 | 125 | 0.0 | 20 | \$ |
| Silver | | | 0.282 | mg/L | 0.060 | 113 | 75 | 125 | 12 | 20 | |

| | | | Q | | ummary | | | | | |
|------------|--------------------|-------|-----------------|-----------------|---------------|--------|-----------|--------------|----------------------|------------|
| | | | | Prepared I | w Billings, M | Terand | h | | | |
| fient i | Halt Environmental | | | | | | | Repo | rt Date: 03/14/16 | |
| roject: | Not Indicated | | | | | | | Wor | Order: 8160304 | 06 |
| histyle | | Count | Result | Links | RL | SREC | Low Limit | High Limit | RPD RPOLImit | Qual |
| Method: | SW60108 | | | | | | | Ana | ytical Run: ICP203-B | 160308A |
| ab ID: | QCS | 7 In | tial Calibratk | on Verification | n Standard | | | | OWDE | /15 09 50 |
| Aritenia | | | 0.812 | mg/L | 0.10 | 101 | - 90 | 110 | | |
| nuitat | | | 0.774 | mort | 0.10 | 97 | 90 | 110 | | |
| Cadmium | | | 0.400 | mark | 0.010 | 100 | 90 | 110 | | |
| Chromium | | | 0,764 | ng/L | 0,050 | - 95 | - 90 | 110 | | |
| esd- | | | 6.805 | mgA. | 0.056 | 101 | 90 | 110 | | |
| Selenívim | | | 0.797 | mort | 0.10 | 100 | 90 | 110 | | |
| Silver | | | 0.392 | mg/L | 0.010 | 98 | 90 | 110 | | |
| ab ID: | ICSA | 7.10 | writerence C | heck Sample | A | | | | 03/08 | 16 09:54 |
| Aramaka | | | 0.0133 | ngh | 0.10 | | | | | |
| Batikim | | | +1.00E-05 | mg/L | 0.10 | | | | | |
| Cadmium | | | 49.00248 | mg/L | 0.010 | | | | | |
| Churchim | | | 0.000480 | mg/L | 0.050 | | | | | |
| 1000 | | | 0.0221 | mal | 0.050 | | | | | |
| Salenium | | | 0.0136 | ngA | 0.10 | | | | | |
| Silver | | | 7.00E-05 | mg/L | 0.010 | | | | | |
| an ID: | IUSAB | 7.16 | linfleminicai C | heck Sampiel | At | | | | 03/06 | 16 09 57 |
| Areantic | | | 0.985 | mail | 0.10 | 97 | 60 | 120 | | |
| Barium | | | 0.467 | mg/L | 0.10 | 93 | 80 | 120 | | |
| Cadmium | | | 0.882 | mart | 0 010 | 88 | 80 | 120 | | |
| Chargenham | | | 0.436 | mail | 0.050 | AR. | 80 | 120 | | |
| Lead | | | 0.928 | mol | 0.050 | 63 | 60 | 120 | | |
| Salanium | | | 0.902 | mol | 0.10 | 98 | HD | 120 | | |
| Silver | | | 0.065 | mgit | 0.010 | 44 | ap | 120 | | |
| Method: | SW60108 | - | _ | | | | | | Ba | tch: 97382 |
| ab ID: | MB-9738Z | 7 M | wihod Blank | | | | Burt ICP2 | NS-8 1603084 | 03/08 | 16 12:37 |
| Arsenic | | | ND | mgA | 0.02 | | | | | |
| Barium | | | 0.0003 | mura | 0.0002 | | | | | |
| Cadmium | | | ND | mult | 0.0004 | | | | | |
| Chromium | | | ND | mari | 0.003 | | | | | |
| LEDO | | | 0.02 | mg/L | 0.02 | | | | | |
| Spienium | | | ND | mail | 0.02 | | | | | |
| Silver | | | ND | mg/L | 0.003 | | | | | |
| alt ID | LCS-97382 | Th | aboratory Ga | ntroi Sample | | | Run ICP2 | 03-8_160308A | 130 | a/16 12:40 |
| Amenic | ALCOND. | | 0.448 | moñ. | 0.10 | 90 | | | | |
| Banum | | | 4.88 | mg/L | 0.10 | 89 | 80 | 120 | | |
| Cadmium | | | 0.232 | mo/L | 0.010 | 83 | 80 | 120 | | |
| Chromium | | | 0.440 | mark. | 0.050 | 88 | | | | |
| Lest | 2.00 | | 0.475 | mgit | 6.050 | 91 | 00 | 120 | | |
| Selenium | | | 0.461 | mg/L | 0.10 | 92 | 50 | 120 | | |
| Silver | | | 0.222 | mort | 0.010 | | | | | |
| | | | | | | | | | | |

Qualifiers:

RL - Analyte reporting timit. N - The analyte concentration was not sufficiently high to decute a RPD for the sensi dilution test. NO - Not detected at the reporting limit. S - Spike recovery outside of advisory limits.

| | Pre | pared by | Billings, MT E | Iranch | | | |
|------------------|------------------------------|----------|----------------|--------|-----|-----------|------------------------|
| Client: | Hall Environmental | | | | | | t Date: 03/14/16 |
| Project | Not Indicated | | | | | | Date: 03/01/16 11:54 |
| Lab ID: | B1B030406-001 | | | | | | eived: 03/03/16 |
| Client Sample ID | 1603077-001C Lindreth Non E: | tempt | | | | 1.1.2 | Matrix: Aquilibule |
| | | | | | MCL | | S |
| Analyses | Resul | Units | Qualifiere | RL | QCL | Method | Analysis Date / By |
| METALS, TOTAL | | | | | | | |
| Argenic | N | Jigm / | | 9.1 | | 5W/5010/5 | 03/06/16 12:51 / m |
| Barlum | N | man. | | 0.5 | | SWEDTOB | 03/08/16 12:51 / /// |
| Gadmisin | NO | Jam (| | 0.01 | | SW60108 | 03/08/16 12:51 / 1/1 |
| Chromium | NO | Ing/L | | 0.1 | | 5W6010B | 03/08/16 12:51 / rilli |
| Lead | N | mg/L | | 0.1 | | SW6010B | 03/08/16 12:51 / rih |
| Mencality | 0.07 | form 1 | | 0.002 | | SW/470A | 03/09/18 18:29 / 40/ |
| Salahium | 03 | - might | | 0.1 | | SWIGOLDIA | 03/08/16 12:51 / 46 |
| Silver | ME | mo/L | | 0.02 | | SW6010B | 03/08/15 12:51 / /// |

| Hall Environmental Analysis | Labora | atory, Inc. | | Analytical Report Lab Otder 1603077 Date Reported: 3/17/2016 |
|--|---------|-------------|------------|---|
| CLIENT: Souder, Miller and Associates Project: Lindreft CS Lab ID: 1603077-001 | Matrix: | AQUEOUS | Collection | le ID: Lindrath Non Exempt Date: 3/1/2016 11:54:00 AM Date: 3/2/2016 7:00:00 AM |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed Batel |
| EPA METHOD 8260B: VOLATILES | | | | Analyst: AG |
| 1,1,1-Trichloroethane | ND | 0.20 | mg/L | 200 3/8/2016 9:38:32 PM R326 |
| 1,1,2-Trichloroethane | ND | 0.20 | mg/L | 200 3/8/2016 9:38:32 PM R326 |
| Trichloroethene (TCE) | ND | 0.20 | mg/L | 200 3/8/2016 9:38:32 PM R326 |
| Trichlorofluoromelhana | ND | 0.20 | mg/L | 200. 3/8/2016 9:38;32 PM R328 |
| 1,2,3 Trichloropropane | ND | 0.40 | mg/L | 200 3/6/2016 9:38:32 PM R326 |
| Vinyl chloride | ND | 0.20 | mg/L | 200 3/8/2016 9:38:32 PM R326 |
| Xylense, Total | 0.68 | 0,30 | mat | 200 3/8/2016 9:38;32 PM R328 |
| Surr: 1,2 Dichloroethane-d4 | 98.6 | 70-130 | %Rec | 200 3/6/2016 9:38:32 PM R326 |
| Surr: 4-Bromofluorobenzene | 109 | 70-130 | %Rec | 200 3/8/2016 9:38:32 PM R326 |
| Sun Dibromoliupromethane | 104 | 70-130 | %/Rec | 200 3/8/2016 0:38;32 PM R326 |
| Sun. Tolucno-dö | 715 | 70-100 | TOTOG | 200 3/0/2010 9:38:32 PM R320 |
| | | | | |

MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- *
 Value executs Maximum Commission Level.
 B
 Annyter detected in the associated Method Blank.

 D
 Sample Dilated Dae to Matrix
 E
 Value above quantitation range

 H
 Heldoing times for programming and uppin accorded
 I
 Analyse detected here quantitation fimiter

 D
 No. Detection at the Reporting Limits
 I
 Analyse detected here quantitation fimiter

 D
 No. Detection at the Reporting Limits
 F
 Sample pH to sub the Range
 Page 3 of 5.

 R
 RPD outside accepted recovery limits
 RL
 Reporting Detection Limit
 Timit as specified

 S
 % Recovery outside of range due to dilution or matrix
 W
 Sample container temperature is out of limit as specified

Report RL - Analyte reporting limit. Definitions: OCL - Quality control limit.

| Hall En | viron | mental Analysis | Laborat | tory, la | ıc. | | | Analytical Report Lab Order 1603077 Date Reported: 3/17/20 | 16 |
|-------------|------------|--------------------------------|--------------------|------------|----------|-----------|---------------------|--|------------|
| Project: | Lindret | | | | | Collectio | on Date: 3/1/ | dreth Non Exempt 2016 11:54:00 AM | |
| Lab ID: | 160307 | 7-001 | Matrix, | AQUEOU | IS | Receiv | ed Date: 3/2/ | 2016 7:00:00 AM | |
| Analyses | _ | | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 82 | TOC TELP | | | | | | Analysi | DAM |
| 2-Meltrylp | Ionarti | | NO | 200 | D | mg/L | | 3/16/2016 4:57:42 PM | 24087 |
| 3-4 Moto | ylphenol | | ND | 200 | D | mg/L | 1 | 3/16/2016 4:57:42 PM | 24087 |
| Phenol | | | ND | 200 | D | mg/L | 1 | 3/16/2016 4:57:42 PM | 24087 |
| 2.4-Dinitro | | | CHA | 2.5 | D | mgAL | - T | 3/16/2015 4:57:42 PM | 24087 |
| Hexachio | | | ND | 2.8 | | ing/L | Ŧ | 3/10/2016 4.57:42 PM | 24687 |
| Hexachio | | ne | ND | 2.5 | D | mg/L | 1 | 3/16/2016 4:57:42 PM | 24087 |
| Heachio | | | ND | 3.0 | | mgA. | 1 | 3/16/2016 4.57:42 PM | 24087 |
| Nitrobenz | | | ND | 2.5 | D | ingL | τ. | 3/10/2016 4:57:42 PM | 24687 |
| Pentachic | prophenol | | ND | 100 | | mg/L | 1 | 3/16/2016 4:57:42 PM | 24087 |
| Pyricline | | | NO | 5.0 | | mg/L | 1 | 3/16/2015 4.57 42 PM | 24087 |
| 2,4,5-Trio | | | NO | 400 | | ing/L | 4 | 3/16/2016 4.57.42 PM | 24087 |
| 2,4,6-Tric | | nol | ND | 2.5 | | mg/L | 1 | 3/16/2016 4:57:42 PM | 24087 |
| Cresols 1 | | | PH3 | 200 | | mp/L | 1 | 3/16/2016 4:57:42 PM | 24087 |
| | Fluoroph | lonal | 0 | 15-124 | | %Rec | 1 | 3/16/2016 4.57:42 PM | 24087 |
| | henol-d5 | | 0 | 15-118 | | %Rec | 1 | 3/16/2016 4:57:42 PM | 24087 |
| | | omsphensi | 0 | 15-148 | | %Flac | 1 | 3/16/2016 A 57:42 PM | 24087 |
| | litrobenza | | D | 40.6-124 | | %Rec | + | 3/15/2016 4.57:42 PM | 24087 |
| | -Fluorobi | | 0 | 35.7-128 | | %Rec | 1 | 3/16/2016 4:57:42 PM | 24087 |
| SWT 4 | Terphen | yi-d14 | 0 | 18.8-115 | SO | %Rec | 1 | 3/16/2016 4:57:42 PM | 24087 |
| EPA MET | HOD 82 | BOB: VOLATILES | | | | | | Analyst | DA : |
| Berizeno | | | 1.3 | -0.20 | | mon | 200 | 3/8/2016 9:38:32 PM | R32655 |
| Toluene | | | 2.1 | 0.20 | | malL | 200 | 3/8/2016 9:38:32 PM | R32659 |
| Emylanera | ene | | NO | 0.20 | | mg/L | 2800 | 3/8/2019 9:38:32 PM | R32659 |
| Methyl tes | t buly of | her (MTBE) | NO | 0.26 | | mgA | 200 | 3/8/2016 9:38:32 PM | R32555 |
| 1,2,4-Trin | nethylben | zene | ND | 0.20 | | mg/L | 200 | 3/8/2016 9:38:32 PM | R32659 |
| 1,3,5-Trie | neihylber | 215790 | ND | 0.20 | | mp/L | 200 | 3/8/2018 9:38:32 PM | R32656 |
| 1,2-Dichle | roethane | (EDC) | ND | 0.20 | | mgil. | 200 | 3/8/2016 9:38:32 PM | R32655 |
| 1,2-Dibror | moethane | e (EDB) | ND | 0.20 | | mg/L | 200 | 3/8/2016 9:38:32 PM | R32659 |
| Naphibala | 0618 | | NO. | 0.40 | 6. | mg/L | 200 | 3/M/2016 9:38:32 PM | R32659 |
| 1-Molhylin | aphihaic | ne | ND | 0.66 | | mg/L | 200 | 3/6/2016 9:36:32 PM | R32660 |
| 2-Methylm | aphthale | ne | ND | 0.80 | 1 | mg/L | 200 | 3/8/2016 9:38:32 PM | R32659 |
| Acetone | | | MD | 20 | | mg/L | | 3/1/2016 9:38:52 PM | R32659 |
| Bromobic | | | ND | 0.20 | | mg/L | 200 | | R32650 |
| Bromodic | | hane | ND | 0.20 | | mg/L | | 3/8/2016 9:38:32 PM | R32659 |
| Bromolon | | | NO | 0.20 | | mort. | 200 | | R32606 |
| Bromome | | | ND | 8.60 | | mg/L | | 3/8/2016 9:36:32 PM | R32655 |
| 2-Butanor | | | ND | 2.0 | | mg/L | 200 | | R32659 |
| Carbon di | | | ND | 20 | | TOT | | 5/8/2016 9;38;32 PM | R32666 |
| - Cerbon T | esmichlor | 84 | NO | 0.20 | 100 | mail | 200 | 3/6/2016 9:36:32 PM | R32659 |
| Rei | ier so the | QC Summary report an | d sample log | in checkli | st for f | lagged Q | C data and po | eservation informatio | |
| Qualifiers: | | Value exceeds Maximum Co | ntaminant Level | L | | B Analy | yte detected in th | he associated Method Blan | k |
| | D | Sample Diluted Due to Matri | x | | | E Value | e above quantita | tion range | |
| | | Holding turses for preparation | or analysis exco | coded | | I Anal | ytic distocted belo | w quantitation limits pa | se I of 6 |
| | NU | Not Detected at the Reporting | g Limit | | | P Samp | ole pil Not In Ra | inge | the x 01.0 |
| | R | RPD outside accepted recover | ry limits | | | RL Repo | eting Detection | Limit | |
| | s | % Recovery outside of range | due to dilution of | or matrix | | W Samp | ole container ten | perature is out of limit as | specified |

| Hall Environmental Analysis | s Labora | tóry, Ine. | 2 | 1.0 | alytical Report Onler 1686964 c Reported: | |
|--|----------|--------------|--|-----|---|--|
| CLIENT: Souder, Miller and Associates Project: Lundrith CS Lab ID: 1606964-001 | Matrix: | C AQUEOUS | Client Sample ID: Non Exempt Tank Collection Date: 6/16/2016 10:36:00 AM Received Date: 6/17/2016 7:45:00 AM | | | |
| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | |
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: DJF | |
| 1,1-Dichloropropene | NU | 10 | 007 | 10 | 6/20/2016 1:50:37 PM | |
| Hexachlorobstadiene | ND | 10 | ugi. | 10 | 6/20/2016 1.50.37 PM | |
| 2-Hexanona | ND | 100 | UQ.T. | 10 | 6/20/2016 1:50:37 PM | |
| aucharola/accuration | MLX | 10 | LOL | 10 | 6/20/2016 1:50:37 PM | |
| 4. Isopropyholuerw | MO | 10 | NOL | 10 | 6/20/2016 1:50:37 PM | |
| 4-Methyl-2-pentarway | ND | 100 | Wart. | 10 | 6/20/2016 1:50:37 PM | |
| Mumpleme Chloride | NO | 30 | P01. | 10 | 19/20/2010 1:50:37 PM | |
| n-Butylbenzane | ND. | 30 | Had. | 10 | 6/20/2016 1/50 07 PM | |
| n-Propylbanzone | ND. | 10 | HO/L | 10 | 6/20/2016 1:50:37 PM | |
| sec-Butylbenzene | ND | 10 | Hg/L | 10 | 6/20/2016 1:50:37 PM | |
| Styrene | ND | 10 | ua/L | 10 | 6/20/2016 1:50:37 PM | |
| ion-Butylbonzenia | ND. | 10 | non | 10 | 6/20/2016 1:50:37 PM | |
| 7,1,1,2-Tatrachibromano | ND | 10 | 001 | 10 | 6/20/2016 1:50:37 PM | |
| 1,1,2,2 Terrachioroethane | NO | 20 | NOT | 10 | 6/20/2016 1/50.37 PM | |
| Tetrachloroethene (PCE) | ND. | 10 | NO/L | 10 | 6/20/2016 1:50:37 PM | |
| trans-1,2-DCE | ND | 10 | µg/L | 10 | 6/20/2016 1:50:37 PM | |
| trans-1.3-Dichloropropene | ND | 10 | ua/L | 10 | 6/20/2016 1:50:37 PM | |
| 1,2,3-Trichloroberszene | NO | 10 | HO/L | 10 | 6/20/2016 1:50:37 PM | |
| 1,2,4-Trichlorobenzene | ND | 10 | Pg1 | 10 | 8020/2016 1:50:37 /94 | |
| 1,1,1-Trichlaroettinne | MD | 10 | Jugit. | 10 | 6/20/2016 1/50.3/ UM | |
| 1,1,2-Trichloroethine | ND. | 10 | HO/L | 10 | 6/20/2016 1:50:37 PM | |
| Trichloroethene (TCE) | NU | 10 | µg/L | 10 | 6/20/2016 1:50:37 PM | |
| Trichlorofluoromethane | ND | 10 | Jour | 10 | 6/20/2016 1:50:37 PM | |
| 1,2,3-Trichicroprojecie | ND | 20 | NO/L | 10 | 6/20/2016 1:50:37 PM | |
| Vinyi chionde | NU | 10 | UBL | 10 | 6/20/2016 1:50:37 PM | |
| Xylerine, Total | 240 | 15 | MgA. | 10 | 6/20/2016 1/50:37 PM | |
| Sun: 1,2-Dichloroethane-d4 | 102 | 70-130 | %Reo | 10 | 6/20/2016 1:50:37 PM | |
| Sum 4-Bromosuoropenzene | 100 | 70-130 | WRec. | 10 | 6/20/2016 1:50:37 PM | |
| Sum Ditromoliucromethane | 97.0 | 70-130 | 9.Rec | 10 | 6/20/2016 1:50:37 PM | |
| Surr: Toluene-cm | 96,9 | 70-130 | %Rec | 10 | 6/20/2016 1:50:37 PM | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level Sample Diluted Date to Matrix D

- Holding times for preparation or antipyin exceeded
 ND
 Na Dimension of the licenorums Limit
 RPD outside accepted recovery limits
 % Recovery outside of tange due to dilution or matrix
- B Analyse detected in the associated Method Blank E. Value above quantitation range Analyse detected below quantization timut: Page 2 of 0
 P Sample of the In Kanan
 RI. Reporting Detection limit.
 W Sample container temperature is out of timut as specificul

HALL ANALYSIS LABORATORY

March 17, 2016 Ashley Maxwell Souder, Miller and Associates 401 W. Broadway Farmington, NM 87401 TEL: (505) 325-5667 FAX

RE: Lindreth CS

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/2/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accordited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pIT and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Hall Environmental Analysis Laboratory 4001 Hawkies KE Albonarque, VM (2100 TEL 503-343-3975 FAX: 505-345-4107 Website: www.kallerstyronmental.com

OrderNo.: 1603077

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190 Sincerely,

Brily

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

R

| Hall Environmental Analy | sis Labora | tory, Inc. | | Jal | alytical Report 1 Order 1600964 10 Reponed: |
|--|-------------------|---------------------|--------------|--------------|---|
| CLIENT: Souder, Miller and Associat | - | | Tient Sample | D: Non E | xempt Tank |
| Project: Lindrith C8 | | | Collection I | Date: 6/16/2 | 016 10:36:00 AM |
| Lab ID: 1606964-001 | Matrix: | AQUEOUS | Received I | Date: 6/17/2 | 016 7.45.00 AM |
| Analyses | Result | PQL Qual | Units | DF | Date Analyzed |
| EPA METHOD 8260B: VOLATILES | | | | | Analyst: DJP |
| Banzana | 0.30 | 10 | part | 10 | 6/20/2016 1:50:37 PM |
| Tolugoe | 510 | 10 | Hall | 10 | 6/20/2016 1:50:37 PM |
| Ethylbenzane | 27 | 10 | MOL | 10 | 6/20/2016 1:50:37 PM |
| Matnyl teri-bury attact (MTISE) | NU | 10 | PO/L | 10 | 6/20/2016 1:50:37 PM |
| 1,2,4-Trimethylbenzede | 18 | 10 | Hor. | 10 | 6/20/2016 1:50:37 PM |
| 1.3.5-Trenethylbeauene | ND | 10 | Har. | 10 | 6/20/2016 1:50:37 PM |
| 1,2-Dichloroethater (EDIC) | ND | 10 | NO1 | 10 | 6/20/2016 1:50:37 PM |
| 1,2-Dipromoethane (EDB) | ND | 10 | HOL. | 10 | 6/20/2016 1:50:37 PM |
| Naphthalenin | ND | 20 | pg/L | 10 | 6/20/2016 1:50:37 PM |
| 1-Memyinaphtnauene | ND | 40 | pgit | 10 | 6/20/2016 1:50:37 PM |
| 2-Mathyinghthanna | ND | 40 | LIGH. | - 10 | 6/20/2016 1.50 37 PM |
| Acetone | 520 | 100 | Non | 10 | 6/20/2016 1:50:37 PM |
| Bromocenzane | ND. | 10 | POR. | 10 | 6/20/2016 1:50 37 PM |
| Bromodichioromemone | ND | 10 | Dart | 10 | 6/20/2016 1:50:37 PM |
| Bromotorm | ND | 10 | port. | 10 | 6/20/2016 1:50:37 PM |
| Bjornormilhane | ND | 20 | pg/L | 10 | 6/20/2016 1:50:37 PM |
| 2-Butanone | 160 | 100 | DOT. | 10 | 6/20/2016 1:50 37 PM |
| Carbon disuilida | ND | 100 | HOL | 10 | 6/20/2016 1:50:37 PM |
| Gwitten Teltrachienne | ND | 10 | pgn_ | 10 | 6/20/2016 1:50 37 PM |
| Ghierobenzene | ND | 10 | ug/L | 10 | 6/20/2016 1:50 37 PM |
| Chloroethane | ND | 20 | NON | 10 | 6/20/2016 1:50 37 PM |
| Coloratorm | NU | 10 | nga- | 10 | 6/20/2016 1:50.37 PM |
| Charomethene | ND | 30 | HOL | 3.0 | 6/20/2016 1:50:37 PM |
| 2-Chlorotoluene | ND | 10 | NO/L | 10 | 6/20/2016 1:50:37 PM |
| 4-Chlorotoluene | ND | 10 | how. | 10 | 6/20/2016 1:50 37 PM |
| die 1,2-DCE | ND | 10 | UD/L | -10 | 6/20/2016 1:50:37 PM |
| cis-1,3-Dichioropropiene | ND | 10 | UQL | 10 | 6/20/2016 1:50:37 PM |
| 1.2-Dibromo-3-chicomproprine | ND | 20 | hör. | 10 | 6/20/2016 1:50 37 PM |
| Dibromochlaromitmine Dibromomethani | ND | 10 | Ud/L | 10 | 6/20/2016 1:50 37 FW 6/20/2016 1:50:37 PM |
| | ND | | | 10 | |
| 1,2-Dichlorobenzene 1,3-Dichlorobenzene | ND | 10 | µg/L µg/L | 10 | 6/20/2016 1:50:37 PM 6/20/2016 1:50:37 PM |
| 1.4-Dichlorobenzene | ND | 10 | vol | 10 | 6/20/2016 1:50:37 PM |
| Dichorodilluoromiliano | ND | 10 | UQ/L | 10 | 6/20/2016 1:50:37 PM |
| 1.1-Dichlorosthava | ND | 10 | ud/L | 10 | 6/20/2015 1:50:37 PM |
| 1,1-Dichlorodhava | ND | 10 | Ug/L | 10 | 6/20/2016 1:50:37 PM |
| 1,2-Dichloropropane | ND | 10 | µg/L | 10 | 6/20/2016 1:50:37 PM |
| 1,3-Dichloropropane | ND | 10 | ug/L | 10 | 6/20/2016 1:50:37 PM |
| 2,2-Dichloropropane | ND | 20 | µg/L | 10 | 6/20/2016 1:50:37 PM |
| Refer to the QC Summary repor | t and sample logi | in checklist for fl | agged OC da | ta and prese | rvation information. |

nie pit bist in Eaup

RPD outside accepted recovery limits % Recovery outside of range due to due

RL: Reporting Detection Limit W Sample container tomperate

is out of finits as spectrum

| District f | State of New Mexico | 2017 |
|---|---|---|
| 625 W. French Dr., Holden, NM (5124). Starist B | Energy Minerals and Natural Resources | Furm C-138 |
| 301 W. Grand Avenue, Ariesas, MM 88210 Sustaira 311 | Oil Conservation Division | Surface Waste Management Facility Operates and Generator shall mountain and make the |
| 000 Rio Brazos Road, Adec, NM 874.09 Isariet IV | 1220 South St. Francis Dr. | and Generator shall maintain and make this documentation available for Division manochon |
| 120 S. St. Franzia Dr., Sania Fr., NM 87505 | Santa Fe, NM 87505 | |
| | T FOR APPROVAL TO ACCEPT | SOLID WASTE |
| Generator Name and Address: nterprise Field Services, LLC, 614 Re | illy Ave, Farmington NM 87401 | |
| Originating Site: MAPL Huerfann Pumping Station | | |
| Location of Material (Street Addre UL L Section 21 Tawnship 26 North) | ss, City, State or ULSTR): Range 10 West; 36.471831, -107.908114 | |
| Description: Non Exempt/Non-Mazardon | WasteWater Tunks and from the compressor skid of s water from the compressor skids. wn Volume (to be entered by the operator at the east | 100 |
| 5. GENERA | TOR CERTIFICATION STATEMENT OF WA | STESTATUS |
| Generator Signature entify that according to the Resource Cor | or authorized agent for Enterprise Products Operati mervation and Recovery Act (RCRA) and the US E bed waste us: (Check the appropriate classification) | invironmental Protection Agency's July 1988 |
| | generated from oil and gas exploration and product | |
| characteristics established in RCRA i | nate which is non-hazardous that does not exceed th regulations, 40 CFR 261.21-261.24, or listed hazard g documentation is attached to demonstrate the abs | ious waste as defined in 40 CFR, part 261, |
| MSDS Information S RCRA Haz | andous Waste Analysis @ Process Knowledge | Other (Provide description in Bos #1 |
| GENERATOR 19.15 16 15 | WASTE TESTING CERTIFICATION STATEM | MENT FOR LANDFARMS |
| 74 1 | | |
| I, Thomas Long , representativ Generator Signature he required testing/sign the Generator W | ve for Enterprise Products Operating authorize to co aste Testing Certification. | omplete |
| (, represent | ative for Aguar Moss, LLC | do hereby certify that |
| epresentative samples of the oil field was nave been found to conform to the specifi | the have have subjected to the point filter test and le- ic requirements applicable to landfarms pursuant to to demonstrate the above-described waste conform | sted for chloride content and that the samples Section 15 of 19.15.36 NMAC. The results |
| OCD Permitted Surface Waste Mana; | annual Eastlin | |
| | N | |
| Name and Facility Permit #: *Agua Me Address of Facility: 5W/4 NW/4 Section | Ms, LLC - Permit #: NM-01-009 u 2, Township 29N, Range Crunch Mesa, NM | |
| Method of Treamsent and/or Disposal | jection 🗌 Freating Plant 🔲 Landfarm 🔲 | Landfill 🔲 Other |
| Evaporation 🖾 In | | |
| | APPROVED DENIE | D (Must Be Maintained As Permanent Record |

| Hall Environmental Analysis | Labora | tory, Inc. | | Analytical Report Lab Order 1702072 Date Reported: | |
|--|----------|------------|------------|--|-------|
| CLIENT: Souder, Miller and Associates | - | (| Tient Samp | le ID: Huerfano BGT | |
| Project: Huertann Station | | | Collection | Bate: 2/172017 1:50:00 PM | |
| Lab ID: 1702072-001 | Statute: | AQUEOUS | | Date: 2/2/2017 8:00:00 AM | |
| Lab 10. 1702072-001 | Matrix. | AQUEUUS | Received | Date: 2/2017 0.00.00 701 | |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD #250B: VOLATILES | | | | Analys | L DJF |
| 1.2-Dibramoelham (EDB) | NO | 0.20 | molL | 200 2/3/2017 E 43:07 PM | W405 |
| Naphihalone | ND | 0.40 | molL | 200 2/3/2017 8/43:02 PM | W405 |
| 1-Methylnaphthalene | ND | 0.80 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| 2-MnittyInachthalene | NO | 0.60 | Agm | 200 2/3/2017 6:43:02 PM | W405 |
| Acatone | NO | 2.0 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Bromobenzene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Biomidichlommiliani | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Bromotorm | ND | 0.20 | Jugen | 200 2/3/2017 6:43:02 PM | W405 |
| Bromomethane | ND | 0.60 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| 2-Billanonii | - 660 | 2.0 | mp/L | 200 2/3/2017 5:43:02 PM | W405 |
| Carteon disvellets | - NO | 2.0 | mg/L | 200 2/8/2017 6:43:02 PM | W405 |
| Carbon Testasterinae | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Chionobenaena | - NO | 0.20 | mp/L | 200 2/3/2017 6:43:02 PM | W400 |
| Chicroelhano | NO | 0.40 | mg/L | 200 2/3/2017 6:43:02 PM | W408 |
| Chloroform | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Chleromaihane | 664 | 0.60 | mg/L | 200 2/3/2017 B 43:02 PM | W405 |
| 2 Chlorololuono | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W-105 |
| 4-Chlorotoluene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| nie-1,2-DCE | NO | 9.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| cis-1,3 Dichloropropene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| 1,2-Dibromo-3-chloropropane | ND | 0.40 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Dibromochloromethane | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Disromomethane | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| 1,2-Dichlorobenzene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| 1,3-Dichlorobenzenii | ND | 0.20 | mpiL | 200 2/3/2017 6:43:02 PM | W405 |
| 1,4 Dichlorobenzene | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Dichlorodifluoromethane | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| 1,1-Dichlornethane | ND | 0.20 | mg/L | 200 2/3/2017 6:43 02 PM 200 2/3/2017 6:43 02 PM | W405 |
| 1,1 Dichloroethene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM 200 2/3/2017 6:43:02 PM | W405 |
| 1,2-Dichloropropane 1,8-Dichloropropane | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM 200 2/3/2017 6:43:02 PM | W405 |
| 2,2 Dichloropropono | ND | 0.40 | mgit | 200 2/3/2017 6:43:02 PM 200 2/3/2017 6:43:02 PM | W-105 |
| 1,1-Dichloropropene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| Histachlorobutadiann | ND | 0.20 | mgit | 200 2/3/2017 6:43:02 PM | WADS |
| 2-Hexanone | NO | 2.0 | mgit | 200 2/3/2017 6:43:02 PM | W408 |
| Isopropylbenzene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |
| 4 laopropytioluene | ND | 0.20 | mg/L | 200 2/3/2017 8.43.02 PM | WADS |
| 4 Methyl 2 pentanone | ND | 2.0 | mg/L | 200 2/3/2017 8:43:02 PM | W405 |
| Methylene Chloride | ND | 0.60 | mg/L | 200 2/3/2017 6:43:02 PM | W405 |

Qualifiers

- Value exceeds Maximum Comminant Level.
 D Sample Dilated Due to Marix
 Holding into Ser preparation or analysis exceeded
 ND Nets Detected at the Reporting Limit
 R PD outside accepted recovery limits
 % Recovery outside of range due to dilation or matrix
- 20 Autyte detented in the answirid Markod Mark.
 2 Value above quantitation range
 1 Analyte detected bedwe quantitation limits Page 2 of 0
 P Sample pH Net in Range.
 Repeting Detection Limit
 W Sample container temperature is out of limit as specified

| Project: | Huerta | r, Miller and Associates no Station 72-001 | Matrix. | AQUEOUS | C | Col | lection | Date: 27) | erfano BGT 72017 1:50:00 PM 9/2017 8:00:00 AM | |
|-------------|-----------|--|----------------|--------------|-------|-------|---------|-------------|---|-----------|
| Analyses | | | Result | PQL Q | (ani | Un | 85 | DF | Date Analyzed | Batch |
| EPA METH | 100 7 | 170: MERCURY | | | | | | | Analyst | pmf |
| Mircury | | | ND | 0.00020 | | mi | J/L | 1 | 2/2/2017 5:40:31 PM | 50033 |
| EPA 60108 | 8: TOT :B | AL RECOVERABLE ME | TALS | | | | | | Analysi | hma |
| Anionic | | | ND | 5.0 | | - | | | 2/6/2017 11:55:59 AM | 30031 |
| Burtum | | | ND | 100 | | m | | | 2/6/2017 11:55:58 AM | 30031 |
| Cadmium | | | ND | 1.0 | | m | | | 2/6/2017 11:55:58 AM | 30031 |
| Chromium | | | ND | 5.0 | | m | | | 2/6/2017 11:55/58 AM | 30031 |
| Land | | | ND | 0.0 | | m | | | 2/6/2017 11:55:58 AM | 30031 |
| Selentum | | | ND | 1.0 | | m | aL. | - T. | 2/6/2017 11:55:58 AM | 30031 |
| Seven | | | NO | 5.0 | | - 700 | | | 2/6/2012 11:55:58 AM | 30011 |
| EPA METH | 100 8 | 270C: PAHS | | | | | | | Analyst | JDC |
| Naphthale | | | ND | 2.5 | D | μg | a. | 1 | 2/3/2017 12:17:25 PM | 30020 |
| 1-Mainyin | | dina. | ND | 2.8 | D | Hg | | Ť | 2/3/2017 12:17:25 PM | 30020 |
| 2-Mathyin | | | ND | 2.5 | 0 | 19 | | · · · · | 2/3/2017 12:17:25 PM | 30020 |
| Acenapht | | | ND | 2.5 | D | HQ | | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Abimaphil | | | ND | 2.8 | D | 10 | | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Fluaránia | | | ND | 2.8 | D | 15 | | | 2/3/2017 12:17:25 PM | 30020 |
| Phenanth | rene | | ND | 2.5 | D | PO | | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Anlivacer | w | | ND | .25 | D | 110 | IL. | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Fluorantha | ono | | ND | 2.6 | D | HS | | | 2/3/2017 12:17:25 PM | 30020 |
| Pyrene | | | ND | 2.5 | D | P3 | JL. | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Benzialar | litracia | 10 | ND | 2.0 | D | 100 | pL. | 11 | 2/3/2017 12:17:25 PM | 30020 |
| Chrysona | | | ND | 2.5 | D | PE | | · · · · | 2/3/2017 12:17:25 PM | 30020 |
| Benzo(b)f | luoranti | hene | ND | 2.5 | D | PS | VL. | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Berizo(k)/ | koranti | korwi | ND | 65 | D | 11 | p1. | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Benzo(a); | Tyrone | | ND | 2.5 | U. | PS | VL. | | 2/3/2017 12:17:25 PM | 30020 |
| Dibenz(a) | h)anthr | acene | ND | 2.5 | D | PS | µ/L | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Banzn(p.) | i.l)peryl | and the second sec | ND | 2.5 | D | - 61 | μ1. | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Indend(1, | (bo-6,5 | Tyriania | ND | 2.5 | D | PS | A | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Surr: N | -hexade | ecane | 73.6 | 15-176 | D | | Rec | 1 | 2/3/2017 12:17:25 PM | 30020 |
| Sur: B | erizo(#) | ручение | 74.3 | 15-198 | D | ୍ୟ | Rec | 1 | 2/3/2017 12:17:25 PM | 30020 |
| EPA METH | HOD 8 | 260B: VOLATILES | | | | | | | Apalys | C DJF |
| Bonzono | | | ND | 0.50 | | m | g-L | 20 | 0 2/3/2017 6:49:02 PM | W4050 |
| Toluene | | | 0.23 | 0.20 | | m | g/L | 20 | 0 2/3/2017 6:43:02 PM | W4050 |
| Etiv/linenz | ene | | ND | 0.20 | | m | g/L | - 20 | 0 2/3/2017 in 43:02 PM | W4050 |
| Melinyi ter | t buly! | oliver (MTBE) | ND | 0.20 | | m | 9/L | -28 | 6 2/3/2017 6.43:02 PM | W4850 |
| 1,2,4-Trim | | | ND | 0.20 | | | g/L | | 0 2/3/2017 6:43:02 PM | W4050 |
| 1,3,5-Trin | | | ND | 0.20 | | | 9ľ | | 0 2/3/2017 6.49/02 PM | W4050 |
| 1,2 Dishis | nostra | no (EDC) | ND | 0.20 | | m | aL. | 20 | 6 2/3/2017 6:43:62 PM | WA050 |
| Ref | er lo ti | ae QC Summery report ar | ul cample log | jin checkloi | lor I | Ragg | ni QC i | data and p | preservation informatic | in. |
| Qualifiers: | | Value exceeds Maximum Co | otaminati Leve | L | | 8 | Analyte | detected in | the associated Method Blan | k |
| A summer be | D | Sample Diluted Due to Matri | | | | E | | | tation range | 100 |
| | H | Holding times fin preparation | | Lobert | | 1 | | | | gi l of 0 |
| | HD | Not Detected at the Reportin | | | | p | | H Not In I | | Ed 1 of 0 |
| | R | RPD outside accepted recover | | | | RL | | g Detection | | |
| | S | % Recovery outside of range | | or matrix | | W | | | mperature is out of limit as | specified |

- J Analyse denscript below quantification limits
 Pagg 1 of 0
 Sample pH Not for lange
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified

Analytical Report

| Hall Environmental Analysis | Labora | tory, Inc. | | Lab Order 1702072. Date Reported: | | | |
|---|----------|------------|--|--------------------------------------|-------|--|--|
| CLIENT: Souder, Miller and Associates Project: Huerlano Station Lab ID: 1702072-081 | Ntatris: | AQUEOUS | Client Sample ID: Huerlano BGT Collection Date: 2/1/2017 1:50:00 PM Received Date: 2/2/2017 8:00:00 AM | | | | |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch | | |
| EPA METHOD 82608: VOLATILES | | | | Analys | : DJF | | |
| n-Butylbenzeise | NO | 0.60 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| n-Propyllienzene | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4054 | | |
| sec-Butylbenzene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| Styrenm | 10 | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W405 | | |
| Tort-Buty/banzona | NO | 0.20 | mgiL | 200 2/3/2017 8:43:02 PM | W4056 | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.20 | ma/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| 1,1.2.2-Telrachieroerivene | NO. | 0,40 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| Tetrachlorosthene (PCE) | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4056 | | |
| trans-1,2-DCE | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| irans-1.3-Dichleropropene | NO | 0.20 | mart | 200 2/3/2017 6:43:02 PM | W4050 | | |
| 1,2,3-Trichlarobenzone | NO | 0.20 | mgrL | 200 2/3/2017 0.43.02 PM | W4056 | | |
| 1,2,4-Trichlorobenzene | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| 1,1,1-Trichlargethene | NO | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| 1,1,2 Trichloroethane | ND | 0.20 | ing/L | 200 2/0/2017 0.40.02 FM | W4050 | | |
| Trichloroethene (TCE) | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| Trichioroflucyomethene | ND | 0,20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| 1,2,3 Trichleropropanc | ND | 0.40 | mg/L | 200 2/3/2017 0.43.02 PM | W4050 | | |
| Vinyl chloride | ND | 0.20 | mg/L | 200 2/3/2017 6:43:02 PM | W4050 | | |
| Xylenns: Tcital | NO | 0,30 | mg/L | 200. 2/3/2017 0:43;02 PM | W4050 | | |
| Sum: 1,2-Dichloroethane-d4 | 103 | 70-130 | %Rec | 200 2/3/2017 6:43:02 PM | W4050 | | |
| Sur: 4-Bromofluorobenzene | 96.6 | 70-130 | %Rec | 200 2/3/2017 6:43:02 PM | W4050 | | |
| Sur: Ditromofluorometinane | 105 | 70-130 | %Rec | 200 2/3/2017 6:43:02 PM | W4050 | | |
| Sun: Toluene-de | 109 | 70-130 | Torses | 200 2/3/2017 0.43.02 PM | W4050 | | |

Refer in the QC Summary report and sample login checklist for flagged QC data and preservation information.

Hillers:

.

- Mini C . commany report and sample regard sectors of Plages 4
 Value caeced Maximum Commany Level.
 D Analyse detected in the associated Method Datas.
 Sample Diracia and the resource exceeded
 Value above quantitation range
 H Infolding times for preparation or and/ym exceeded
 J Analyse detectan below quantitation items
 Page 3 of 0
 And Plages 4
 RepO outside accepted recovery limits
 R. Reporting Detection Limit
 S % Recovery outside of range due to dilution or matrix
 W Sample container temperature is out of limit as specified

| | | | 2017 |
|--|--|---|--|
| District J 1625 N. Wesch Dr., Motts, SM 10240 Datase II 201 W. Ganod Avenual, Actions, NM 10 Dataset III 1000 Rio Brazos Road, Aztec, NM 874 District IV 1220 S. 81 Primeis Dr., Santa Fe, NM 4 | Energy Minera 0010 Oil Cons 110 1220 Sou | of New Mexico Is and Natural Resources servation Division uth St. Francis Dr. Fe, NM 87505 | Form C-138 Bernal 0690/111 Surface Watte Management Fuellity Operation and Generator shall maintain and make this documentation available for Division inspection. |
| the second second second second second second second second second second second second second second second s | OUEST FOR APPRO | a state of the second se | SOLID WASTE |
| 1. Generator Name and Add | | TAL TO ACCUT | SOLID WASTE |
| Enterprise Field Services, LL | C, 614 Reilly Ave, Farmington | NM 87401 | |
| 2. Originating Site: Potter Compressor Statio | D | | |
| | eet Address, City, State or ULS 30 North Range 10 West; 36,803 | | an County, NM. |
| Description: Non Exempt/Nop | f Wastes on Exempt WasteWater Tanks an Higzardow Water from the compt bbb/ Krawar Volume (in be onto | ressur skids | |
| 3 | GENERATOR CERTIFICATI | ON STATEMENT OF WA | ASTE STATUS |
| Generator Signature certify that according to the Re- regulatory determination, the al | bove described waste is: (Check th | y Act (RCRA) and the US E he appropriate classification gas exploration and produc | invironmental Protection Agency's July 1988) tion operations and are nut mixed with non- |
| KCRA Non-Exempt: 0 characteristics established | Oil field waste which is non-lazza in RCRA regulations, 40 CFR 26 | ndom that does not exceed th 1.21-261.24, or listed bacard | he minimum standards for waste hazierdous by lous waste as defined in 40 CFR, purt 261, ove-described waste is non-hazardous. (Check |
| TI MSDS Information DT R | CRA Hazardous Waste Analysis | 51 Process Knowledge | Other (Provide description in Brot 4) |
| | 15.36.15 WASTE TESTING CI | | a store where the store of the |
| | | | |
| | presentative for Enterprise Production and the product of the second sec | | ampleie |
| representative samples of the ni have been found to confirm to of the representative samples ar 19.15.36 NMAC. | the granific requirements applied to demonstrate the abo | ste to landfarms pursuant to | do hereby certify that sted for chloride context and that the tamplet Section 15 of 19.15.36 NMAC. The results to the requirements of Section 15 of |
| 5, Transporter: To Be Deter | | | |
| | Agua Moas, LLC - Permit #: N V/4 Section 7, Township 29N, R: d: M M Injection Treating f | ange Crouch Mesa, NM Plane 📋 Landfarm 🔲 | |
| | APPROVED | TITLE CHERT | D (Muss Be Mainsained As Permaneni Record) DATE: 13/17 (SD3)SHCA Do |

| ENVIRONMENTAL | Hall Environmental Analysis Laborator 2007 Howkins N Attomport goog WA 10710 |
|---|--|
| ANALYSIS | TRE 305-545 1073 PAX 103-345 4H |
| LABORATORY | normal and dealers and the second |
| December 04, 2017 | |
| Ashley Maxwell | |
| Souder, Miller and Associates | |
| 401 W. Broadway | |
| Farmington, NM 8740) TEL: (505) 323-5007 | |
| FAX (505) 327-1496 | |
| | |
| RE: Potter CS | OrderNo.: 1711506 |
| Dear Ashley Maxwell: | |
| Hall Environmental Analysis Laboratory received 1 | sample(s) on 11/9/2017 for the |
| analyses presented in the following report. | |
| These were analyzed according to EPA procedures of | or equivalent. To access our accredited |
| tests please go to www.hullenvironmental.com or th | e state specific web sites. In order to |
| properly interpret your results, it is imperative that y | |
| See the sample checklist and/or the Chain of Custod | |
| sample receipt temperature and preservation. Data c previded if the sample analysis or analytical quality | |
| When necessary, data qualifiers are provided on both | |
| OC summary report, both sections should be review. | |
| received, unless otherwise indicated. Lab measurem | |
| parameters that require analysis within 15 minutes o | |
| chlorine are qualified as being analyzed outside of th | he recommended holding time. |
| Please don't hesitate to contact HEAL for any addition | and information or algoitions |
| Theuse don't neshate to contact THE TE for any addition | onal miormation of charmentons. |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 | |
| | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 Sincerely, | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 Sincerely, Andy Freeman Laboratory Manager 4901 Hawkins NE | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 Sincerely, Andy Freeman Laboratory Manager | |
| ADHS Cert #AZ0682 - NMED-DWB Cert #NM9 Sincerely, Andy Freeman Laboratory Manager 4001 Hawkins NE | |
| ADHS Cert #A20682 - NMED-DWB Cert #NM9 Sincerely, Andy Freeman Laboratory Manager 4901 Hawkins NE | |
| ADHS Cert #A20682 - NMED-DWB Cert #NM9 Sincerely, Andy Freeman Laboratory Manager 4901 Hawkins NE | |

| Tan Eur | TO | amentai Anai | ysis Labora | tory, Inc. | | | Date Reported: 12/4/201 | 7 |
|--------------------|-----------------|-------------------------|-----------------------|------------|-------------|-----------------|--|-----------|
| LIENTS | mide | Miller and Associa | nes. | | liest Sam | nle III: Pol | ner BGT | |
| roject: F | | | art.e | | | | 7/2017 2:08:00 PM | |
| | | | and a star | The second | | | | |
| ab 1D: 1 | 7115 | 06-001 | Mateix | AQUIDADE | Received | 1 Plate: 11/ | 9/2017 7-00-06 AM | |
| nalyses | _ | | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
| EPA METH | 00.7 | TO: MERCURY | | | | | Arialyst: | MED |
| Manag | | | NU | 44.0000 | mgt | 1.1 | 11/21/2017 4:04:21 PM | 35088 |
| EPA 60108 | 101 | AL RECOVERABL | EMETALS | | | | Analyst | MED |
| Atlenic | | | ND | 5.0 | mgL | | 11/27/2017 10:37:58 AM | |
| Banum | | | ND | 100 | mgit | 1 | 11/27/2017 10:37:58 AM | |
| Cadmium | | | ND | 1.0 | mg/L | 1 | 11/27/2017 10:37:58 AM | |
| Chromium | | | ND | 5.0 | mal | 1 | 11/27/2017 10:37:58 AM | |
| Lood | | | ND | 5.0 | mail | 1 | 11/27/2017 2:50:55 PM | |
| Selenium | | | ND | 1.0 | mal | 1 | 11/27/2017 10:37:58 AM | |
| Siww | | | ND | 5.0 | right | - i | 11/27/2017 10:37:58 AM | |
| PA METH | 00 8 | 270C: PAHS | | | | | Analysit | DAM |
| Naphthales | | | 38 | 1.6 | und | 1 | 11/14/2017 3-37 17 PM | 34071 |
| 1-Mathylina | phthai | ine . | ND | 2.5 | UQ7_ | 1 | 11/14/2017 3:37:17 PM | 34973 |
| 2-Methylna | | | 2.9 | 2.5 | Ugit | 1 | 11/14/2017 3:37:17 PM | 34973 |
| Acenaphth | | | ND | 2.5 | Leu | 1 | 11/14/2017 3:37:17 PM | 34973 |
| Acenaption | HON! | | ND | 2.5 | wort_ | | 11/14/2017 3:37:17 PM | 34973 |
| Fluevene | | | ND | 2.5 | HOL | 1 | 11/14/2017 3:37:17 PM | 34973 |
| Phenanthre | ene | | ND | 2.5 | Ug/L | 1 | 11/14/2017 3:37:17 PM | 34973 |
| Anthracien | | | ND | 2.5 | UpL | 1 | 11/14/2017 3:37:17 PM | |
| Forcentha | | | ND | 2.5 | Ugit_ | | *1/14/2017 3:37-17 PM | 34073 |
| Pyrene | | | ND | 2.5 | Ugit | | 11/14/2017 3:37:17 PM | |
| 04initia)ant | initial initial | | PID - | 2.5 | Jan. | 1 | 11/14/2017 3:37:17 PM | |
| Chrysena | | | ND | 2.5 | uar. | 1 | 11/14/2017 3 37:17 PM | |
| Berna(b)/h | | | NO | 2.5 | hair | 1 | 11/14/2017 3:37:17 PM | |
| Denzo(k)nu | | ione | ND | 2.5 | µg/L | T | 11/14/2017 3.37:17 PM | |
| Benzo(a)py | | | ND | 2.5 | µg/L | 1 | 11/14/2017 3:37:17 PM | |
| Olbenz(a,h | | | ND | 2,9 | 40L | 1 | 11/14/2017 3:37:17 PM | |
| Berdoja II. | | | ND | 2.5 | wat. | 1.2 | 11/14/2017 3:37.17 PM | |
| Indenci 1,2 | | | ND | 2.5 | Jun. | 1 | 11/14/2017 3:37:17 PM | |
| Surt NH Surt Bé | | | 76.9 | 39.3-124 | NRec Street | | 11/14/2017 3:37:17 PM 11/14/2017 3:37:17 PM | |
| | | | 610 | 30.3-124 | - Second | .1 | | |
| | OD 8; | 260B: VOLATILES | | | | | Analyst: | |
| Вепарон | | | ND | 0.50 | ist | | 11/13/2017 1:46:00 PM | |
| Toluene | | | 0.32 | 0.20 | pyrL | | 11/13/2017 1.40.00 PM | |
| Ethylbenze | | | ND | 0.20 | ugit | | 11/13/2017 1:46:00 PM | |
| | | When (MTBE) | NO | 0.20 | Hor. | | 11/13/2017 1 46:00 PM | |
| 1,2,4-Toma | | | ND | 0.30 | ugt | | 11/13/2017 1.48.00 PM | |
| 1.3,5-Trime | | | NB | 0.20 | ugh. | | 11/13/2017 1:46:00 PM | |
| 1.2-Dictrior | | | ND | 0.20 | har | | 11/13/2017 1-46:00 PM | |
| | r to th | | | | - Part - 2 | | reservation information | |
| wallfiers: | 1 | Value exceeds Maximu | | L | | | he associated Method Blank | |
| | D | Sample Diluted Due to | | | E Value a | bove quantita | ation range | |
| | | Holding times for prepa | | hebook | I Asselyte | devenat bel | w quantumien limits Page | L of 12 |
| | 75.D | Not Detected in the Rep | | | P Sample | pH Nos In R. | ange | |
| | PQL | | | | | ing Detection | | |
| | 181 | % Receivery maride of | cauge due to dilution | ca tamaca | W Sample | cominities' ten | operature is out of limit as sp | anci B(i) |

| CLIENT: Souder, Miller and Associates Project: Potter CS Lab ID: 1711506-001 | Matrix: | AQUEOUS | Collection I | e ID: Potter BGT Date: 11/7/2017 2:00:00 PM Date: 11/9/2017 7:00:00 AM | |
|--|-----------------|------------------|--------------|--|-----------|
| Analyses | Result | PQL Qui | d Units | DF Date Analyzed | Bsich |
| EPA METHOD 8260B: VOLATILES | | | | Analyst | RAA |
| 1,2-Distromostibaine (EDB) | ND. | 0.20 | UOL. | 200 11/13/2017 1 4/E00 PM | R47088 |
| Napronalene | ND | 0.40 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| 1-Methvinaphthalene | ND | 0.80 | µg/L | 200 11/13/2017 1:46:00 PM | R47086 |
| 2-Methylnaphthalene | ND | 0.80 | H9/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Acetone | ND | 2.0 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Bromobenzene | ND | 0.20 | ug/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Bromodichloromethane | ND | 0.20 | HO/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Bromoform | ND | 0.20 | non. | 200 11/13/2017 1:48:00 PM | R47088 |
| Bromomethane | ND | 0.60 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| 2-Billionaie | NO | 2.0 | Up/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Carlson desi/fidu | NO | 20 | Jak | 200 11/13/2017 1:46:00 PM | R47008 |
| Carbon Tetrachloride | ND | 0.20 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Chlorobenzene | ND | 0.20 | µg/L | 200 11/13/2017 1:46:00 PM | R47068 |
| Chloroethane | ND | 0.40 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Chianafurm | (QD) | 0.20 | | 200 11/13/2017 1:46:00 PM | R47088 |
| Chloromethane | ND | 0.60 | have | 200 11/13/2017 1:40:00 PM | R47085 |
| 2-Chlorotoluene | ND | 0.20 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| #-Chipololum# | ND | 0.20 | Jeu | 200-11/13/2017 1:48:00 PM | PA7055 |
| ete 1.2 DCE | ND | 0.20 | - +04 | 200 11/13/2017 14/5 00 PM | 347088 |
| cis-1,3-Dichloropropene | ND | 0.20 | Jeu | 200 11/13/2017 1:46:00 PM | R47088 |
| 1,2-Dibromo-3-chloropropane | ND | 0.40 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Dibromochloromethane | ND | 0.20 | Jou | 200 11/13/2017 1:46:00 PM | R47088 |
| Decomposition | ND | 0.20 | - Pal- | 200 11/13/2017 1:46:00 PM | |
| 1,2-Dichloropenzene | ND | 0.20 | ugit | 200 11/13/2017 1:46:00 PM | R47088 |
| 1,3-Dichlorobenzene | ND | 0.20 | ugiL | 200 11/13/2017 1:46:00 PM | |
| 1,4-Dichlorobenusme | ND | 0.20 | 10% | 200 11/13/2017 1.46.00 PM | FI47088 |
| Dichlorodmuoromethane | ND | 0.20 | MAL | 200 11/13/2017 1:48:00 PM | R47089 |
| 1,1-Dichloroethane | ND | 0.20 | ug/L | 200 11/13/2017 1:46:00 PM | R47088 |
| 1/1-Dichlorosilymer | ND | 0.20 | DOL. | 200 11/13/2017 1/46/00 PM | FM7088 |
| 1,2-Dichloropropana | 40 | 0.90 | ngu | 205 11/192017 LAE 00 PM | Fe47088 |
| 1,3-Dichloropropana | ND | 0.20 | LIGIL | 200. 11/13/2017 1:46:00 PM | R47088 |
| 2.2-Dichloropropane | ND | 0.40 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| 1.1-Dichloropropene | ND | 0.20 | ug/L | 200 11/13/2017 1:46:00 PM | |
| Hexachlorobutadiene | ND | 0.20 | ug/L | 200 11/13/2017 1:46:00 PM | R47038 |
| 2-Hexanone | ND | 2.0 | ugit | 200 11/13/2017 1:46:00 PM | R47088 |
| Isopropylbenzene | ND | 0.20 | Leu | 200 11/13/2017 1:46:00 PM | |
| 4-Isoja opyliciusne | ND | 0.20 | Val | 200 11/13/2017 1 46:00 PM | R47088 |
| 4-Methyl-Z-peritarione | ND | 2.0 | H9L. | 200 11/13/2017 1:46:00 PM | R47088 |
| Methylene Chloride | ND | 0.60 | µg/L | 200 11/13/2017 1:46:00 PM | R47088 |
| Refer to the QC Summary report at | al sumple log | in checklist for | flagged QC d | inta and preservation informatio | ci. |
| Qualifiers: * Value meeods Maximum Co | eterinant love | | B Analytes | detected in the associated Mellod Bland | 6 |
| D Sample Diluted Duc to Mate | | 1.1 | | ove quantitation range | |
| H Holding times for preparatio | | reded | J Analyte | detected below quantitation limits Page | 2 .612 |
| ND Not Detected at the Reportin | | | P Sample p | H Not In Range | ¢ 2 01 12 |
| PQL Practical Quanitative Limit | 0 | | | g Detection Limit | |
| S % Recovery outside of range | due to dilution | or matrix | | container temperature is out of limit as a | pecified |
| 5 % Recovery outside of range | due to dilution | or mainx. | w Sample c | centainer temperature is out or timit as i | pectises |

| Hall En | viro | nmental Analysis | Labora | tory, Inc. | ć. | Lan Onter 1711500 Date Reported 1204/20 | ii |
|-------------|-----------------|-------------------------------|-----------------|--------------------|-------|---|---------|
| CLIENT: | Scalde | , Miller and Associates | | (| lient | t Sample ID: Policy BGT | |
| Project: | Potter | CS | | | Call | logilon Date: 11/7/2017 2:00:00 PM | |
| Lab ID: | 17115 | 06-001 | Matrix | AQUEOUS | - | zeived Date: 11/9/2017 7:00:00 AM | |
| Analyses | | | Result | PQL Qual | Uni | its DF Date Analyzed | Batch |
| EPA MET | IOD 8 | 2008: VOLATILES | - | | | Auglyst | RAA |
| 12-0/0/08 | noutro | ve (EDB) | ND | 0.20 | ÚQ. | 200 11/15/2017 1:46:00 PM | R4708 |
| Nachihale | | | NO | 6,40 | Lal | | |
| 1-Methylini | aprillia | en let | ND | 0.60 | ppl | | |
| 2-Methyln | aphthal | ene | ND | 0.80 | µg/ | L 200 11/13/2017 1:46:00 PM | R4708 |
| Azsitten | | | ND | 2.0 | HOM | 200 11/13/2017 1:45:00 PM | H4708 |
| E/oimobon | utere. | | ND | 0.20 | - HER | L 200 11/13/2017 1/46:00 PM | R4708 |
| Bromodict | hlorom | thane | ND | 0.20 | hay | L 200 11/13/2017 1:46:00 PM | R4708 |
| Brainvalow | W | | ND | 0.20 | HON | | R4708 |
| Branin met | Commit i | | ND | 0.60 | inp/l | | R4708 |
| 2-Eularion | 10 | | ND | 2.0 | - ver | 200 11/13/2017 1:46:00 PM | R4705 |
| Gargeria | NAME. | | ND | 20 | ug/t | | FEA705 |
| Carbon Te | KTHONE | nde | ND | 0.20 | ИДИ | 200 11/13/2017 1:46:00 PM | R4708 |
| Chieroben | think | | NO | D 20 | . HON | | R4708 |
| Chippoon | 7277 | | ND | 0.40 | NOT | | 164708 |
| Chloroform | n | | ND | 0.20 | µg/l | L 200 11/13/2017 1:46:00 PM | R4708 |
| Chloromit | due | | ND | 0.60 | UD/ | | R4708 |
| 2-Chierple | dame. | | ND | 0.20 | - 400 | | RATUS |
| 4-Chiotolo | mauk | | ND | 0.20 | HD/ | | R4708 |
| 05-1,2-00 | Æ | | NU | 0.20 | 00/1 | | |
| dis-1.3-Did | Subarra | COUNT | ND | 0.20 | HON | 200 11/13/2017 1/4/2/00 PM | R4788 |
| 1,2-Olbron | 10-3-01 | ANTONEDONE | ND | 0.40 | -un/ | | R4708 |
| Dibromod | hiorome | thane | ND | 0.20 | PPI | | |
| Dibromom | ethane | | ND | 0.20 | L/dri | | |
| f.B.Exichio | robinz | 000 | ND | 0.20 | bo/l | | Fi4704 |
| i S.Fickia | mburg | 640 | P4D | 0.20 | нал | | R4768 |
| 1,4-Dichts | TRACKING STREET | 608 | ND | 0.20 | how | | R4708 |
| Dictiond | ELCPOIT | alhaha | ND | 0.20 | Ngu | | 64708 |
| 1.1.Dicho | /octvin | á. | ND. | D 200 | Jun | | |
| 1.1-Dichla | | | ND | 0.20 | Ugh | | R4708 |
| 1,2-Diuhlu | | | ND | 0.20 | 1/g/1 | | |
| 1.3-Dichlo | roprop | ne | ND | 0.20 | µg/l | | R4708 |
| 9.2-Dichler | 100/00 | No: | NO | 0.40 | HOM | | R4708 |
| 1,1-Dichio | ropriope | ine | ND | 0.20 | Pg4 | | R4708 |
| Hexachion | obutad | ene | ND | 0.20 | ug/l | | |
| 2-Heanno | | | ND | 20 | Jugh | | R4708 |
| Isopapyib | and the second | | ND | 0.20 | | | R4708 |
| 4-Isopropi | Rolden | | ND | 0.20 | ug/l | | R4708 |
| +Molinyl-2 | E-EMPIRE | NUT OF THE OWNER | NU | 2.0 | HON | | F64/08 |
| Manytone | Chion | 20 | NO | 0.60 | ug/ | | |
| Refi | e la it | a QC Summary report an | d sample log | in checklist for f | lagge | ed QC data and preservation informatio | ń., |
| Qualifiers: | | Value exceeds Maximum Co | Siminani Leve | 4 | 8 / | Analiyte detected in the associated Method Blank | |
| | D | Sample Diluted Due to Matri | ¢ | | EV | Value above quantitation range | |
| | H | Holding times for preparation | or analysis and | Indian | 1.1 | Analyse devoted below quantum and Page | a state |
| | 2413 | Not Detected at the Reporting | | | p 8 | Sample pH Not in Renner | 140012 |
| | POL | Practical Quanitative Limit | | 1.0 | | Reporting Detection Limit | |
| | s | % Recovery outside of range | due to dilution | of mains | w s | Sample container temperature is out of limit as a | - |

| Hall E | nvironmental Analysi | Labora | itory, l | nc. | | Law Order 1711506 Drie Reported: 12/4/201 | ŕ |
|----------|-------------------------------|---------|----------|------|------------|--|----|
| CLIENT: | Souder, Miller and Associates | | | | Bent Samp | He ID: Potter Blat | |
| Project: | Pouer CS | | | | Collection | Date: 11/7/2017 2:00:00 PM- | |
| Lab ID: | 1711506-001 | Matrix: | AQUEOU | JS | Received | Date: 11/9/2017 7:00:00 AM | |
| Anulyses | | Deentr | POL | Onel | Finite | DE Date Analyzed | ю. |

| Analyses | Result | PQI. Qu | al Units | DF Date Analyzed | Batch |
|-----------------------------|--------|---------|----------|---------------------------|-------|
| EPA METHOD 8268B: VOLATILES | 1.0 | | 1.1 | Analyst | RAA |
| n-Butylbenzene | ND | 0.60 | Lou | 200 11/13/2017 1:46:00 PM | R4708 |
| n-Propylbenzene | NO | 0.20 | uo/L | 200 11/13/2017 1:46:00 PM | R4708 |
| aco-Butyloenzene | ND | 0.20 | UG/L | 200 11/13/2017 1.46.00 PM | R4708 |
| Styrene | ND | 0.20 | Jgu | 200 11/13/2017 1:46:00 PM | R4708 |
| Tert-Butylbenzene | ND | 0.20 | HOM | 200 11/13/2017 1 40:00 PM | 84708 |
| 1,1,1,2-Tetrachlaroothana | ND | 0.20 | HOL | 200 11/13/2017 1:46.00 PM | R4708 |
| 1,1,2,2-Tetrachloroethane | ND | 0.40 | Jou | 200 11/13/2017 1:46:00 PM | R4708 |
| Tetrachicizalivene (PDE) | ND | 0.20 | JOU | 200 11/18/2017 1:46:00 PM | 84709 |
| trans-1,2-OCE | ND | 0.20 | Joga. | 200 11/13/2017 1:40:00 PM | B4705 |
| irans-1,3-Oidtilaroprogene | ND | 0.20 | LOC | 200 11/13/2017 1:46:00 PM | R4708 |
| 1,2,3-Trichlorobenzene | ND | 0.20 | HOL | 200 11/13/2017 1:46:00 PM | R4708 |
| 1,2,4-Trichlorobenzene | ND | 0.20 | L/QL | 200 11/13/2017 1:46:00 PM | R4708 |
| 1,1,1-Trichissperture | ND | 0.20 | Port | 200 11/13/2017 1:46:00 PM | R4700 |
| 1,1,2-Trichlorosthums | ND | 0:20 | Pg/L | 200 11/13/2017 1:46:00 PM | R4708 |
| Trichloroethene (TCE) | ND | 0.20 | µg/L | 200 11/13/2017 1:46:00 PM | R4708 |
| Trichlorofluoramiething | ND | 0.20 | UP/L | 200 11/12/2017 1:46:00 PM | R4700 |
| 1.2.3-Techtsnoopenne | ND | 0.40 | (igit) | 200 11/13/2017 15/6 00.PM | RAYN |
| Vinyl chlande | ND | 0.20 | Jun T. | 200 11/13/2017 1:46:00 PM | R470 |
| Xylenes, Totai | ND | 0.30 | µg/L | 200 11/13/2017 1:46:00 PM | R4/08 |
| Surr: 1,2-Dichloroethane-d4 | 117 | 70-130 | %Rec | 200 11/13/2017 1:46:00 PM | R4708 |
| Suv. 4-Bromofluorobenzena | 104 | 76-130 | MRec | 200 11/13/2017 1-46.00 PM | R4708 |
| Surr: Dibromofluoromethene | 110 | 70-130 | 70Rec | 200 11/13/2017 1:46.00 PM | R4708 |
| Surr: Toluene-d8 | 98.4 | 70-130 | %Rec | 200 11/13/2017 1:46:00 PM | R4708 |

Refer in the QC Summary report and cample login checklist for flagged QC data and preservation information

Qualifiers:

- Voice records of solutions (requestion is an insight of the solution is a solution of the solution is a solution of the solution is a solution of the so

Amilytical Report

- 1111-

1713300

84-Dec-17

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc. (H-Dec-17 Client: Souder, Miller and Associates Potter CS Projects

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Sample ID: 109ng los | SampT | yper Li | 1004 | TM | Waster B | PA Mailand | NZINDE: YOL | ATEED | | |
|--|---------------------------------------|---------|-----------|-------------|--------------|-----------------|----------------|--------|-----------------|------|
| Climit (D BerchOC | Balch | ID: R | 47088 | | RunNo: 4 | 7068 | | | | |
| Prep Date: | Analysis D | ate: 1 | 1/13/2017 | | SeqNo: 1 | 1502364 | Units: pg/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 1,1-Ekthiorgensprint | 22 | 1.0 | | 0 | 108 | 70 | 130 | | | - |
| Heixadiliimbstadems | 15 | 9,0 | 20.00 | 0 | 89.6 | 70 | 130 | | | |
| 2-Hexanone | 39 | 10 | 40.00 | 0 | 98.3 | 60 | 140 | | | |
| laopropylbenzene | 19 | 1.0 | 20,00 | 0 | 94.8 | 70 | 130 | | | |
| 4-Isopropyltoluene | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| 4-Milliyl-2-pentarune | 45 | 10 | 40,00 | .0 | 112 | 60 | 140 | | | |
| Malhylena Chlorida | 22 | 3.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| n-Buty/benzene | 19 | 3.0 | 20.00 | 0 | 96.7 | 70 | 130 | | | |
| n-Propylbenzene | 20 | 1.0 | 20.00 | 0 | 102 | 70 | 130 | | | |
| sec-Butylbenzene | 20 | 1.0 | 20.00 | 0 | 98.1 | 70 | 130 | | | |
| Styrene | 19 | 1.0 | | 0 | 95,5 | 70 | 130 | | | |
| ert-Dutylberizene | 20 | 1.0 | | 0 | 98.1 | 70 | 130 | | | |
| 1,1,1,2-Tetrachloroethane | 19 | 1.0 | 20.00 | 0 | 94.1 | 70 | 130 | | | |
| 1,1,2,2-Tetrachloroethane | .23 | 2.0 | 20.00 | 0 | 114 | 65.9 | 133 | | | |
| fetrachloroethene (PCE) | 10 | 1.0 | 20.00 | 0 | 90.3 | 70 | 130 | | | |
| rans-1,2-DCE | 21 | 1.0 | 20.00 | 0 | 106 | 70 | 130 | | | |
| Rene-1.3-Dichky grope/w | 19 | 1.0 | 20,00 | 0 | 94,0 | 70 | 130 | | | |
| 2.3-Trxhlooperaise | 10 | 1.0 | 20.00 | 0 | 95.3 | - 70 | 130 | | | |
| 2,4-Trichlorobermiele | 19 | 1.0 | 30.00 | 0 | 91.5 | 70 | 130 | | | |
| 1,hTriderustiens | - 21 | 1.0 | 20.00 | 0 | 105 | 70 | 1.30 | | | |
| 1,2-Individualiana | 20 | 1.0 | 20.00 | 0 | 9.59 | 70 | 120 | | | |
| Trichloroethene (TCE) | 21 | 1.0 | 20.00 | 0 | 107 | 70 | 130 | | | |
| Trishlarefluoremethane | 21 | 1.0 | 20.00 | 0 | 108 | 70 | 130 | | | |
| 2,3-Trichloropropane | 22 | 2.0 | 20.00 | 0 | 110 | 69.7 | 129 | | | |
| Vinyl chloride | 21 | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | | |
| Kylenes, Total | 58 | 1.5 | 60.00 | 0 | 97.2 | 70 | 130 | | | |
| Sur: 1,2-Dichloroethane-d4 | 11 | | 10.00 | | 112 | 70 | 130 | | | |
| SUIT: 4-Bromofluorobenzene | 11 | | 10.00 | | 107 | 70 | 130 | | | |
| Sur: Dibromofluoromethane | 11 | | 10.00 | | 113 | 70 | 130 | | | |
| Sur: Tulvave-sil | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Samiole (D) RSI | SameT | PE M | BLK | Tea | Code: E | PA Method | 8260B: VOL | ATILES | | |
| Client ID: PBW | Batch | ID: RA | 7088 | F | RunNo: 4 | 7088 | | | | |
| Prepi Date. | Analysis Li | 100: 1 | 1/13/2017 | | SeqNo: 1 | 502370 | Units: up/L | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | KPDLimit | Qual |
| Benzene | ND | 1.0 | | | | - | - | | | |
| oluene | ND | 1.0 | | | | | | | | |
| Hylbenzene | ND | 1.0 | | | | | | | | |
| Onalifiers: | | - | | | | | | | | |
| Value exceeds Maximum | · · · · · · · · · · · · · · · · · · · | | | - | | | | 1 | | |
| | | cyar. | | | | | ni Mathod Bla | ik. | | |
| and the second s | | | ÷. | | | titalión racino | | | - No. 7 - 1 | |
| H Holding times for prepara ND Not Detected at the Rope | | excente | 4 | | | eiow quantita | ations blowing | | Page 5 of | 12 |
| PQL Practical Quanitative Lin | | | | | phi Nee In | | | | | |
| | | | | | 1g Detection | | | | | |

| Sample (D 199ing las | Samp | CANC: FQ | 64 | Ter | nGodin E | PA Method | SECOD: YOU | ATILES | | |
|--------------------------------|--------------|-----------|-----------|-------------|------------|----------------|--------------------|-----------|-----------|------|
| Climit ID: BatchOC | Bain | ND RS | 7065 | | Runtia: 4 | 7068 | | | | |
| Prep Date: | Analysis (| 346: 11 | 113/2017 | 1.1 | BegNici 1 | 502364 | Unit: µg/L | | | |
| Analyse | Result | POL | SPK velue | SPK Rel Val | MREC | LowLenit | Healthink | SARPO. | RPDLimit | Qual |
| Borzene | 21 | 1.0 | 20.00 | U | 107 | /0 | 130 | | | |
| Tolueve | 19 | 1.0 | 20.00 | 0 | 97.A | 70 | 130 | | | |
| Ethyltectrene | 10 | 1.0 | 29.00 | 0 | 95.8 | 70 | 130 | | | |
| Nethyl teri-bulyt ether (MTDC) | -44 | 1.0 | 40.00 | 0 | 110 | 70 | 130 | | | |
| 2,4-Trimethylbenzene | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| 15-Timelyberzene | .20 | 1.0 | 20.00 | 0 | 100 | .70 | 130 | | | |
| 2-Dichlenumma (EDC) | 22 | 1.0. | 20.00 | 0 | 100 | 62.2 | 243 | | | |
| 2-Obronoethawe (EDB) | 20 | 1.0 | 20.00 | 0 | 99.5 | 70 | 130 | | | |
| Weil & Brahlerse | 20 | 2.0 | 20.00 | 0 | 97 B | 70 | 130 | | | |
| MathylinguthBuilding | 20 | -4.0 | 20.00 | a | 99.1 | 50 | 140 | | | |
| Mainyinaphthalang | 15 | 40 | 20.00 | a | 73.3 | 80 | 140 | | | |
| ceture | 40 | 10 | 40.00 | σ | 101 | 60 | 140 | | | |
| Iromoberizene | 20 | 1.0 | 20.00 | 0 | 102 | 70 | 130 | | | |
| konocichioramethwie: | 22 | ¥.0 | 20.00 | 0 | | 70 | 130 | | | |
| horelam. | 10 | 1.0 | 20.00 | 0 | 64,8 | 70 | 130 | | | |
| kromomethane | 13 | 3.0 | 20.00 | 0 | 66.3 | 60 | 140 | | | |
| -Bidancee | -65 | 10 | 40.00 | 0. | 112 | B0 | 140 | | | |
| arbit toulle | -45 | 10 | 40.00 | 0 | 112 | ĐÔ | 140 | | | |
| Calbor Tetrachloride | .21 | 1.0 | 20.00 | 0 | 105 | 70 | 130 | | | |
| 10 mulue vene | 19 | 1,0 | 20.00 | υ. | 97.3 | 70 | 130 | | | |
| hivolivant | 10 | 2.0 | 20.00 | 0 | 96.3 | 60 | 540 | | | |
| MONUM | 22 | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| hioromotheric | 21 | 5.0 | 20.00 | o | 103 | 00 | 140 | | | |
| 2-Chlorotoluene | 21 | 1.0 | 20.00 | 0 | 103 | 70 | 130 | | | |
| -Chlorok/uere | .24 | 1.0. | 29.00 | 0 | 103 | 70 | 130 | | | |
| 561,2/0CE | 22 | 1.0 | 20.00 | - 0 | 112 | 20 | 100 | | | |
| is-1,3-Dichlarophpenai | 21 | 1.0 | 20.00 | - 0 | 103 | 70 | 130 | | | |
| J-Ulocimo-Schleitopredenti | 30 | 2.0 | 20.00 | 0 | 101 | 70 | 130 | | | |
| interimochiariometriane | 18 | 1.0 | 20.00 | u. | 92.0 | 70 | 100 | | | |
| Mexamumaikaria | 23 | 1.0 | 20.00 | 0 | 193 | 70 | 130 | | | |
| 2-Okchioroberizene | 20 | 1.0 | 20.00 | 0 | 98.7 | 70 | 130 | | | |
| 1,3-Dichlorobenzene | 20 | 1.0 | 20.00 | 0 | 99.3 | 70 | 130 | | | |
| A-Dichloritian/www. | 20 | 1.0 | 20,00 | | 99.1 | 67.2 | 444 | | | |
| Contractioners | 23 | 1.0 | 20.00 | 0 | 115 | 60 | 140 | | | |
| ,1-Dichloroethane | 22 | 1.0 | 20.00 | 0 | 109 | 52.6 | 157 | | | |
| 1-Dictionalitient | 21 | 1.0 | 20.00 | 0 | 108 | 70 | 1.50 | | | |
| 2-Dichlotompane | 22 | 1.0 | 20.00 | 0 | 111 | 63.7 | 1.55 | | | |
| .3-Dichlotoprobene | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| 2-Gichioropropane | 23 | 20 | 20.00 | ų | 113 | 70 | 730 | | | |
| Dunlifiers: | _ | _ | | - | | - | | | | |
| · Value excepts Millimate | . Loniminani | Louis | | H Analys | detected i | the antocra | tel Menod Itta | nič | | |
| D. Sample Dilused Due in A | | | | | | rotation range | | - | | |
| fl Holding times for prepar | | is mende | à. | | | relow quanti | | | Page 4 o | 617 |
| ND Not Detected at the Reps | | | | | pll Not In | | and the second | | 1 age 4 0 | |
| PQL Practical Quanitative Lin | | | | | ng Detecti | | | | | |
| S % Recovery outside of n | | tion or m | viria | | | | is out of limit as | specified | | |

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates

Clicat:

| San | ple ID FB | (Samp) | Type: M | DLH | | Tentos | NR B | PA Method | A2008: YOL | ATTLES | | |
|---------|--------------------------|------------|-----------|-----------|-------|------------|----------|----------------|--------------------|-----------|-----------|------|
| Qie | ni ID: PBW | Bato | ND R | 47083 | | Run | No: V | 7085 | | | | |
| Prep | Date: | Analysis (| Date: 1 | 1/13/2017 | | Seq | No: 1 | 502370 | Units: µg/L | | | |
| Ania | ly64 | Hinuk | FOL | SPK value | SPK R | Wal 1 | REC | LowLimit | HighLimit: | S-RPD | RPDLimit | Qual |
| Methy | ters-outyr ether (MTBE) | ND | 1.0 | | | | | | | | | |
| 1241 | Trimethylbercene | ND | 1.0 | | | | | | | | | |
| 3.57 | Trimethytherizene | ND | 1.0 | | | | | | | | | |
| 1,2-01 | chioroethane (EDC) | ND | 1.0 | | | | | | | | | |
| 1,2-Di | bromoethane (EDB) | ND | 1.0 | | | | | | | | | |
| Nutio | halene | ND | 2.0 | | | | | | | | | |
| Mat | which philosofield | ND | 4.0 | | | | | | | | | |
| 2-Meil | in/inaph/halenii | ND | 4.0 | | | | | | | | | |
| Aalila | | ND | 10 | | | | | | | | | |
| Bierro | ACC N | ND | 1.0 | | | | | | | | | |
| Bromo | dichloromethane | ND | 1.0 | | | | | | | | | |
| Bromo | Norm | ND | 1.0 | | | | | | | | | |
| Bromo | methane | ND | 3.0 | | | | | | | | | |
| 2-Buta | enone | ND | 10 | | | | | | | | | |
| Carbo | n disulfide | ND | 10 | | | | | | | | | |
| Carbo | n Tetrachloride | ND | 1.0 | | | | | | | | | |
| Chiero | Amicone | ND | 5.0 | | | | | | | | | |
| Chief | attaile. | ND | 2.0 | | | | | | | | | |
| Chloro | not | ND | 1.0 | | | | | | | | | |
| Chloro | melhane | ND | 3.0 | | | | | | | | | |
| 2-Chio | vololuene | ND | 1.0 | | | | | | | | | |
| I-Chio | rotoluene | ND | 1.0 | | | | | | | | | |
| 15-1,2 | DCE | ND | 1.0 | | | | | | | | | |
| sis-1,3 | -Dichloropropene | ND | 1.0 | | | | | | | | | |
| 1,2-Di | bromo-3-chloropropane | ND | 2.0 | | | | | | | | | |
| Dibron | nochioromethane | ND | 1,0 | | | | | | | | | |
| Diliron | CATHON BOARD | ND | 1.0 | | | | | | | | | |
| 1,2-Di | chiorobenzene | ND | 1.0 | | | | | | | | | |
| 1,3-Dk | chlorobenzene | ND | 1.0 | | | | | | | | | |
| 1,4-01 | dikediterstene | ND | 1,0 | | | | | | | | | |
| Dictio | rodificoromethane | ND | 1.0 | | | | | | | | | |
| | chloroethane | ND | 1.0 | | | | | | | | | |
| | discettere | ND | 1,0 | | | | | | | | | |
| | UNioropropana | ND | 3.0 | | | | | | | | | |
| | chicropropaw | ND. | 5.0 | | | | | | | | | |
| | devaporene | ND | 2,0 | | | | | | | | | |
| | thioroixideme | ND | 1.0 | | | | | | | | | |
| | hiorobubadiene | ND | 1.0 | | | | | | | | | |
| 2-Hex | and/re | ND | 10 | | | | | | | | | |
| Quali | flers: | | | | | - | | | _ | - | | _ |
| + | Value exceeds Maximum | Coursel | Livel. | | H A | malwie des | i letter | n the assessia | and Avenued Bilay | | | |
| .0 | Samele Drived Dur un A | | | | | | | litation range | | | | |
| 11 | Holding times for prepar | | i macond | 6d | | | | clims guantit | | | Page 6 0 | 612 |
| ND | Not Detected at the Repo | | | | | ample pH | | | | | culle a o | |
| PQL | | | | | | eporting I | | | | | | |
| s | % Recovery outside of n | | tion or " | atrix | | | | | is out of limit as | specified | | |

Wess 1711604

14-Dec-17

Clients

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc. Souder, Miller and Associates Potter CS Project: Sumple ID RB TestGode: CPA Nethod 82888 YOLATILES SameType- MBLK

WUE. 1711506

14-Dec-17

| Sumple D RB | Samp | Type N | BLK | 3 | catGode; 1 | PA Method | STOR SOUTH | ATILES | | |
|--|--|---------|---|----------------------------|--------------|--|-----------------|--------|----------|------|
| Chief IC PBW | Balo | h (D R | 47088 | | RunNo: | 7986 | | | | |
| Prep Date: | Analysis I | Date: 1 | 1/13/2017 | | SeqNo: | 1502370 | Units: µg/L | | | |
| Analyse | Reutil | POL | SPK value | SPK Ref A | W WREC | Linkimit | HighLimit | MRPD | RFOL mit | Gual |
| Isopropyloenzene | ND | 1.0 | | | - | | | | | |
| 4-Isopropyltoluene | ND | 1.0 | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 10 | () () () () () () () () () () | | | | | | | |
| Methylene Chloride | ND | 3.0 | (| | | | | | | |
| n-Butylbenzene | ND | 3.0 | | | | | | | | |
| n-Propyfontative | ND | 1.0 | 6 | | | | | | | |
| weetender Street | ND | 1.0 | 1 | | | | | | | |
| Styrene | ND | 1.0 | (C) - 1 | | | | | | | |
| tert-Butyloenzene | ND | 1.0 | 1.1 | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 2.0 | | | | | | | | |
| Tetrachioroethene (PCE) | ND | 1.0 | 0.00 | | | | | | | |
| trans-1,2-DCE | ND | 1.0 | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 6 N | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,1,1+Truthlersleitvane | ND | 1.0 | 1 | | | | | | | |
| 1.1.2-Tourtamonitone | ND | 5.0 | | | | | | | | |
| Trichloroethene (TCE) | ND | 1.0 | 10.00 | | | | | | | |
| Trichlorofluoromethane | ND | 1.0 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2.0 | 10.0 | | | | | | | |
| Vivyi chloride | ND | 1.0 | | | | | | | | |
| Xylėnus, Tatai | ND | 1.5 | | | | | | | | |
| Surr: 1,2-Dichlomethane-d4 | 12 | | 10.00 | | 116 | 70 | 130 | | | |
| Sur: 4-Bromafili, orobenzene | 10 | | 10.00 | | 103 | 70 | 130 | | | |
| Sat: Distanchuperperhane | 42 | | 10.00 | | 116 | 78 | 130 | | | |
| Sitt: Toluena-dit | 9.9 | | 10.00 | | 99.0 | 70 | 130 | | | |
| Sampio (D 1711506-001ame | Samu | ype M | 8 | | ani/Ciste E | PA Method | 12603: VOL | ATTLES | | |
| Chint ID. Potter BGT | Batc | ND: R | 47085 | | RunNo: | 7088 | | | | |
| Prep Date: | Analysis C | Date 1 | 1/13/2017 | | SegNo: 1 | 502383 | Units: µg/L. | | | |
| Amaiye | Result | MUL | SPR, value | SPR HM V | N TAREC | LowAimil | HighLimit | WRPD | RPOLIMI | Quei |
| Electrica. | 6.Z | 0.20 | | 0.3264 | 122 | 70 | 130 | - | | - |
| Tolvini | 4.4 | 0.20 | 4.000 | 0.3204 | 102 | 70 | 130 | | | |
| Chlorobenzenw | 4.1 | 0.20 | | 0.03840 | 101 | 76 | 130 | | | |
| 1,1-Dichloroethene | 5.3 | 0.20 | | 0 | 132 | 70 | 130 | | | s |
| Trioniomeiherne (TCE) | 4.8 | 0.20 | | 0.03720 | 118 | 70 | 1.00 | | | |
| | 2.4 | | 2.000 | | 122 | 70 | 130 | | | |
| Sam 1,5 Dichametram-d4 | | | | | | | | | | |
| | | | | | | | | | | |
| Qualifiers: | Contaminant | Cond. | | | to detected | in the seasons | and Mathead Man | de | | |
| Qualifiers: • Value exceeds Maximum | | Level | | | | | led Method Bla | nk | | |
| Qualifiers: * Value exceeds Maximum D Sample Diluted Due to M. | atrix | | | E Valu | e above quar | titation range | | nk | Dama 7 | c13 |
| Qualifiers: • Value exceeds Maximum D Sample Diluted Due to M. II Holding times for prepara | atrix sort or antilysi | | ad | E Valu I Amai | e above quar | ititation range below quanti | | nk | Page 7 o | £12 |
| Qualifiers: * Value exceeds Maximum D Sample Diluted Due to M. | atrix not te antilysi ting Limit | | ad . | E Valu I Anal P Seam | e above quar | titation range below quantii Range | | nk | Page 7 o | £12 |

QC SUMMARY REPORT WERE 1711504 Hall Environmental Analysis Laboratory, Inc. M-Dec-17 Client Souder, Miller and Associates Project: Potter CS Sample ID 1711686-001ama Samultyno: MS Batch ID R47098 TentOrian EPA Method 80000: YOLATILES Classif (D: Potter BGT Runtio: 47088 SeaNo: 1502383 Units: µg/L Prep Dalit Analysis Date: 11/13/2017 Analyle Hex.II PQL SPK velue SPK Kaf Val KREC LowLinit HighLinit SRP0 RPDLinit Quali Surr.4-enontkorostenze 2.1 2.000 103 70 130 500 Serr.5-enontkorostenze 2.4 2.000 122 70 130 500 Analyte Surr. 4-Bromoliuoropenzene Sample ID 1711506-001amed SampType: MSD TasiCode: EPA Method 82608: VOLATELES Client ID: Potter BGT Balch ID R47088 RanNo: 47688 Analysis Date 11/13/2017 Prep Cate; Shinko 1502384 Lines Jugit Pressure Tot, SAUTY Source Source Line: <thLine:</th> Line: <thLine:</th> <thLine:</th> Analyto Benzene Tokane Ptioenlanne 1,1-Dicklontellane RPDLimit 20 %RPD 6.64 6.18 5.75 9.76 7.25 0 114 70 95,4 70. 26,7 76 120 70 101 70 101 70 120 70 97.6 70 130 130 130 130 130 130 130 130 20 20 20 20 0 1,1-Dictionetwere Trothonathene (TCb) Burt 1,2-Dichlaroathame-dk Surt 4-Bromofluoroberzene Surt Dibromofluoromethane Surt Toluene-d8 0 ň

| - | | 0.040 | CHOOT HE | ory, Inc. | - | | | | | 94-11 |
|---|---------------------|------------|-----------|-------------|--------------|----------------|-----------------|------|----------|-------|
| Client: Souder, Project: Potter (| Miller and S | Associ | ates | | | | | | | |
| Sample ID Ico-34073 | 6emp' | Type: Lo | 20 | Tea | stCode: E | PA Method | 0270C. PAN | | | - |
| Client ID: LCSW | Bato | h ID: 34 | 973 | 1.1.1 | RunNo: 4 | 7113 | | | | |
| Prep Date: 11/14/2017 | Analysis I | Date: 1 | 1/14/2017 | | SeqNo: 1 | 503513 | Units: µg/L | | | |
| Analyte | Result | POL | SPK value | SPK Rel Val | MREC | LowLinit | HIGHLINK | %RPD | RPOLINE | Qual |
| Naprimaieria | 16 | 0.50 | 20.00 | 0 | 79.4 | 28.6 | 113 | | | - |
| 1-Methylnaphthalene | 16 | 0.50 | 20.00 | 0 | 79.5 | 27 | 113 | | | |
| 2 Mathyland Roame | 16 | 0.50 | 20.00 | 0 | 77.0 | 28.3 | 112 | | | |
| Acertaphitrylene | 10 | 0.50 | 20.00 | σ | 77.5 | 30.2 | 114 | | | |
| Acenaphthene | 16 | 0.50 | 20.00 | 0 | 80.1 | 35.6 | 116 | | | |
| Flugament | 10 | 0.50 | 20.00 | 0 | 81.2 | 36.4 | 116. | | | |
| Practition | 18 | 10,50 | 20.00 | U | 91.0 | 42.3 | 218 | | | |
| Aviimome | 10 | 0.50 | 20.00 | 0 | 90,0 | 42.2 | 317 | | | |
| H0:Sraillinen | 18 | 0.50 | 20.00 | 0 | 90.7 | 42,5 | 118 | | | |
| Pyrene | 17 | 0,50 | 20.00 | 0 | B7.4 | 40.6 | 121 | | | |
| Benz(a)anthracene | 17 | 0.50 | 20.00 | 0 | 84.6 | 43 | 118 | | | |
| Chrysene | 17 | 0.50 | 20.00 | 0 | 82.7 | 39.4 | 119 | | | |
| Benzo(b)/luoranthene | 18 | 0.50 | 20.00 | 0 | 88.9 | 47.8 | 115 | | | |
| Benzokillastanthene | 12 | 0.50 | 20.00 | 0 | 85.1 | 40.5 | 120 | | | |
| Bonzolajpyrono | 37 | 0.60 | 20.00 | 0 | 84.5 | 41.5 | 115 | | | |
| Dibenz(a,h)anthracene | 18 | 0.50 | 20.00 | 0 | 87.7 | 48.6 | 115 | | | |
| Bertzpig hubunykere | 18 | 0.50 | 25.00 | 0 | 92.1 | 42 | 119 | | | |
| intent/1_11-of pyrene. | 18 | 0.50 | | .0 | 92.2 | 42.0 | 418 | | | |
| Sort N-hexadecare | 75 | | 87.60 | | 86.1 | 34.2 | 111 | | | |
| Sur: Benzo(ejpyrene | 18 | | 20.00 | | 89.2 | 39.3 | 124 | | | |
| Sample ID Ion8-34973 | Samo | YUN LO | 280 | Ter | Code F | PA Malhod | 8270C: PAH | | | |
| Ciloni ID: LOSSU2 | | 0 (0) .54 | | | Runtika d | | | | | |
| Prep Date: 11/14/2017 | Acutype 0 | iste: t | 1/14/2017 | | SigNo 1 | 603514 | Units' No/L | | | |
| Analyle | Result | POL | SPK value | SPK Ref Val | KREC | LowLine | HighLimit | WRPD | RPDLimit | Quilt |
| Maphetalisme | 10 | 0,60 | .20.00 | 0 | 77.1 | 28.6 | 113 | 2.94 | 40.7 | - |
| t-Memymopritheiene | 15 | 0,50 | 20.00 | 0 | 75.1 | 27 | 115 | 5.09 | 30,4 | |
| 2-Methylnaphthalene | 15 | 0.50 | 20.00 | 0 | 72.8 | 26.3 | 112 | 5.61 | 25.5 | |
| Actesuidityline | 15 | 0.50 | 20.00 | n. | 78.3 | 36.2 | 114 | 1.56 | 34.1 | |
| Armopphilumia: | 16 | 0,50 | 20.00 | 0 | 75.8 | 35.6 | 110 | 5.62 | 82.4 | |
| Flicence | 10 | 0.50 | 20.00 | 0 | 77.8 | 38.4 | 115 | 4.28 | 28 | |
| Pharondryman | 17 | 0.50 | 20.00 | 0 | 85.3 | 42.3 | 115 | B.47 | 37.4 | |
| Arministeria | 11 | 0.50 | 20.00 | 0 | 83.3 | 42.2 | 117 | 7.75 | 36.2 | |
| Plucrenthone | 17 | 0.50 | 20.00 | Ó | 85,6 | 42.5 | 118 | 5.79 | 26.6 | |
| Fyrmie | 17 | 0.50 | | π | 83.7 | 40.8 | 121 | 4.32 | 26.8 | |
| Benetin land wacene | 17 | 6.50 | 20.00 | 0 | 83.5 | 43 | 110 | 1.31 | 25.1 | |
| Chryseen | 10 | 0.50 | | 0 | BD.4 | 39.4 | 119 | 2.82 | 23.3 | |
| Benandejilluonantiivene | 17 | 0.50 | 20.00 | 0 | 83.5 | 17.8 | 115 | 5.01 | 22.5 | |
| Qualifiers: | _ | | | - | - | | _ | _ | | |
| Value excepts Maximum | | Lond. | | | | | ited McDimit HD | 680 | | |
| D Sample Diluxel Duc in M | VPIN | | | E Values | shows apart | dilation range | ¢ | | | |
| | tions are seedless. | is example | inl. | J. Analysi | e desenaid l | idew quanti | tastos linnis | | Page 9 o | £12 |
| 1) Rolding times for prepara | | | | | | | | | | |
| 11 Holding times for prepara ND Not Detected at the Report | | | | F Sample | pH Not in | Range | | | | |

 Qualifier:
 •

 •
 Value Execute Maximum Containing Level.

 D
 Sample District Data in Marrié

 II
 Folding unces for persymmetry on smaltyta exceeded

 ND
 Not Democrd at the Reporting Limit:

 ND
 Proceeding Quantitative Limit

 S
 % Recovery outside of range due to dilution or matrix.

Qualifiers:

- H Analyte detected in the associated Mikined Hank
 E. Value above quantitation straps
 / Analyte detected between quantitation timus
 P. Sample get byte & Reager
 RJ. Reporting Detection Limit
 W. Sample container temportance is out of limit as specified Page 8 of 12

| Hall Environmen | | | 4 | | | | RA-DA | hared 7 | - | ental Analysis I | | The, | | | R4-Dec- |
|---|--|---|--|--|--|-------------------------------|---|-------------------|--|--|--|---|--|--|-------------------------|
| Tienti Souder rojeët: Poiter (| r, Miller und Aasociate CS | ia- | | | | | | | | ler, Miller and Associ at CS | des | | | | |
| Sample ID food-34973 Client ID: LCSS02 Prep Date: 11/14/2017 Analyte | SomeType: L08 Batch ID: 3497 Analysis Date: 11/1 Resull POL 3 | 73 | estDode: EP/ RunNo: 471 SeqNo: 150 | 113 03514 | Units: µg/L | URPD FOPD | Jimit Qual | | Sample ID MB-36069 Claim ID: PBW Prep Dele: 11/20/2017 Analyte | BiompType Mi Banch ID: 35 Anatyais Data 1 Résult POL | 088 1/21/2017 | TestCode EPA Met RunVol 47282 SegNol 1588211 Ref Val ISREC LawL | Units: mg | n. | imit Qual |
| Berzo(k)fluoranthene Berzo(a)pyrene Xberzo(a,/k)entifransene Berzo(a,/k)peryterie ndeno(1,2,3-cd)pyrene Sam, N-hexadissare | 16 0.50 17 0.50 17 0.50 16 0.50 17 0.50 78 12 | 20.00 0 20.00 0 20.00 0 20.00 0 20.00 0 87.60 | 78,8 84,4 84,5 88,1 87,3 85,3 | 40.5 41.5 48.6 42 42.9 34.2 | 120 115 115 119 118 118 | 7.69 0.591 3.72 4.44 | 30.9 23.2 26.5 30.7 25.4 0 | | Nercury Sampla ID LCS-35065 Client ID LCS-W Frep Deta: 11/20/2017 Analyte | ND 0.00020 SempType, LC Seach ID, 32 Analysis Date: 1 | 5 685 1/21/2617 | TestCode: EPA Met RunNo: 47282 BeoNo: 1508313 Ref Val: %LREC LowU | fkod 7470: Mer | cury y'L | |
| Barr Renorsapyrene Sample ID mb-34973 Silont ID PBW | SempType: MBL Bunch (D. 3457 | | B6.4 notCode: EP/ RunNo: 471 | | 124 270C: PARs. | 0 | g | | Mercury Sample ID 1711505-001 | 0.0040 0.00020 CMS SampType: M | 0.005000 | 0 98.4 TestCode EPA Mat | 80 120 | 6 | |
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| Ibiding times for years 9 Nachocod at 19 Nachocod Quantitative Lin 10 Parcical Quantitative Lin 16 Recovery vantide of ra 16 | Analysis Constantion of analysis exceeded origing Link: mill ange due to dibetion or mate of the second of the se | 1 Analy P Samp RL Repo RL o RL Repo RL Repo RL Repo RL Repo RL Repo RL Repo Repo RL Repo RE REPO RE | extincted below for the detected below of the test in the period of the second | vision conge longe Lamit mperature is Lamit mperature is 1331 10192 Lawit Jim 1301 2331 10192 Lawit Jim 1303 1303 1303 2331 1304 2331 1304 2331 1305 200 80 80 80 80 80 80 80 80 80 80 80 80 8 | on limits out of limit as a out of limit as a limit out of limit limit out of limit out of limit out of limit out of limit out of limit out of limit out of limit out out of limit out of limit out of limit out | Pag weifed | Unit Qual | | D. Sample Dilated Date (B) Bolding times for pr 2010 Practical Quantative 3 % Recovery outside of 3 % Recovery outside of 4 % Recovery outside of 3 % Recovery outside of 4 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 3 % Recovery outside of 4 % Recovery outside of 5 % Web et lasm 6 % Sample(a) in 7 % Sufficient dam 6 % Recovery outside of 9 % Web et lasm 10 % Recovery outside of 11 % Web any sam 12 % Does papered (% Recovery outside failed of 13 % Ret mainteneo of 13 % Recovery outside of 13 % Recovery outside of 14 % Recovery outside of 14 % Recovery outside of 13 % Recovery outside of 14 % Recovery outside of 15 % Recovery outside of 16 % Recovery outside of 17 % Recovery outside of 18 % Recovery outside of 18 % Recovery outside of 18 % Recovery outside of 19 % Recovery outside of 19 % Recovery outside of 10 % Recovery outside | n Marin en Marine specifieg caus Limit (range due to dilution or so DAMAREN TAL (range due to dilutiono | 4 E 4 7 7 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | Value dave aunstatudio - Manapire Aincred Holm que Sample que la constitución de la constitución provincio Decisión de la constitución de la constitución de la constituc | Anne and Anne Anne Anne Anne Anne Anne Anne An | Page tas specified sple Log-In (Ricpfle Heid Promet M Heid Promet M NA NA NA NA NA NA NA NA | Check Lis |

NA M

Yes - No -

Oseo | Vis: 1 | ebbait | Phone | Fax | In Person

Special Handling (if applicable) 16, Was client notified of all discrepancies with this order?

Parson Notified:

Regarding: Client Instructions 17. Additional remarks:

18. Societ Information <u>Cooler No. Temp *C Condition Seal lenset</u> Seal No. <u>Deal Date</u> Signal By 1 10 Good Yes

By Wilom

Page 1 of 1

 Qualifier:
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 Yoke maards Mastimum Committants Level
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 20
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 PL
 Received protection Limit

 5
 % Recovery outside of range due to dilution or matrix
 W
 Sample container temperature is out of limit as specified
 Page 12 of 12

11-17-17

| Matternoord Matternoord Immonology Contained Immonology Second Immonology <th>Free Bagacuroof A Baseretz D D D D D D D D D D D D D D D D D D D</th> | Free Bagacuroof A Baseretz D D D D D D D D D D D D D D D D D D D |
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State of New Mexico

| Project: Kuu CS ab (D), 1710E55-001 | Matrix: | AQUEOUS | | Collectio | | 12 BG1 /26/2017 2:30:00 PM /27/2017 8:90:00 AM | |
|--|--------------|--------------|--------|-----------|------------|--|-------|
| Analyses | Result | PQL (| Juni | Units | DF | Date Analyzed | Butch |
| EPA METHOD 7470: MERCURY | | | | | | Analyst | JLF |
| Mercury | NO | 8 00020 | | mal | 1.1 | 11/W2017 5:00:00 PM | 34923 |
| EPA 50108: TOTAL RECOVERABLE M | FTALS | | | | | Analyst | ELS. |
| Amenic | ND | 5.0 | | mal | | 11/8/2017 8:57:26 AM | MEIE |
| Banum | ND | 100 | | mg/L | | 11/0/2017 0:57.20 AM | 34616 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/6/2017 8:57:26 AM | 34816 |
| Chromium | ND | 5.0 | | mg/L | | 11/6/2017 8:57:26 AM | 34816 |
| Lead | ND | 5.0 | | mal | | 11/6/2017 8:57:26 AM | 34816 |
| Salamiarri | ND | 1.0 | | mg/L | 1 | 11/6/2017 8:57:26 AM | 3481 |
| STAR | ND | 5.0 | | mg/L | | 11/6/2017 B-57/26 AM | 3481 |
| | 144 | 4.9 | | . and the | | | |
| EPA METHOD 8270C: PAHS | | | | | | Anatyst | |
| Naphthalene | ND | 25 | D | ug/L | 10 | 11/14/2017 12:04:21 Pt | |
| 1-Methylnaphthalene | ND | 25 | D | µg/L | 10 | 11/14/2017 12:04:21 PI | |
| 2-Methylnaphthalene | ND | 25 | D | µg/L | 10 | 11/14/2017 12:04:21 PI | |
| Acenaphthylene | ND | 25 | D | µg/L | 10 | 11/14/2017 12:04:21 PI | |
| Accompletion | ND | 25 | D | H0/L | 100 | 11/14/2017 12:04:21 PI | |
| Flatener | ND | 25 | D | Mar | - 10 | 11/14/2017 12:04:21 Pt | |
| Prestartfrees | ND | 50 | D | have | 10 | 11/14/2017 12:04:21 PF | |
| Avanneone | ND- | 25 | D | mby. | 10 | 11/14/3017 13:04:21 PI | |
| Filuaranshima | ND | 25 | п | Pour - | 10 | 11/14/2017 12/04:21 PI | |
| Pyrene | ND | 25 | D | hau | 10 | 11/14/2017 12:04:21 PI | |
| Benzija jandhracene | ND | 25 | D | P9/L | 10 | 11/14/2017 12:04:21 PI | |
| Chrysene | ND | 25 | D | µg/L | 10 | 11/14/2017 12:04:21 PI | |
| Benzou)/Susweithere | ND | 25 | D | HO/L | 10 | 11/14/2017 12:04:21 PI | |
| Bevizojik)/Ruorant/Ineria | ND | | U | POL | 10 | 11/14/2017 12:04:21 Pt | |
| Benzo(a)pyrene | ND | 25 | D | µg/L | 10 | 11/14/2017 12:04:21 PI | |
| Ditamenta (in fix) involvementaria | ND | 25 | D | w0/L | 10 | 11/14/2017 12:04:21 Pt | |
| Bertroid hilberviene Indono(1,2,3-cd)pytene | ND | 35 | 10 | -of | 10 | 11/14/2017 12:04:21 P | |
| | ND | 25 | D | H9/L | 10. | 11/14/2017 12:04:21 PI | |
| Sur: N-nexadecane | 4 | 20.3.150 | | | 10 | 11/14/2017 \$2:04:21 Pt | |
| Surr: Benzo(e)pyrene | 0 | 11.3(169) | 1611 | %Rec | 10 | 11/14/2017 12:04:21 PI | |
| EPA METHOD 8260B: VOLATILES | | | | | | Anaiyst | |
| Berttene | 240 | 50 | | 191 | 50 | (0/31/2017 6:20:00 AM | |
| Task tarres | 470 | 50 | | +9L | 50 | 15/91/2017 6:20:00 AM | |
| Ethylbenzen | ND | 50 | | Let. | 50 | 10/31/2017 5:20:00 AM | |
| Molhyl tart-builyt etiluer (MTBE) | ND | 80 | | HAL | 80 | 10/31/2017 5:20:00 AM | |
| 1.2,4-Jinmathylaecasion | HD. | 50 | | Hat | BDX. | 10/31/2017 6:20:00 AM | |
| 1,3,5-Trimsthysacozoni | ND | 60 | | P\$PL | 56 | 10/31/2017 6:20:00 AM | |
| 1.2-Dictionant/mme (EDG) | ND | 20 | | hair | 202 | 10/31/2017 6:20:08 AM | 44873 |
| Rater to the QC Summary report as | id sample lo | in checklist | for il | agged Q4 | data and p | reservation informatio | n i |

Non Des ed as the Hes

- PQL Practical Quantitative Limit S % Recovery outside of range due to dilution or matrix

- uriting Lieun

P Sample pH Nui In Bange
 RL Reporting Detection Limit
 W Sample container temperat

re is out of limit as sp

HALL ANALYSIS November 16, 2017

Ashlev Maxwell Souder, Miller and Associates 401 W. Broadway Farmington, NM 87401 114.: (505) 325-5667 FAX (505) 327-1496

RE: Kutz CS

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/27/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited Inters were analyzed according to Erry proceedings or equivalent. To access our accreding (losh please go to <u>www.hallervironmental.com</u> or the static specific were sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Coatody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When uncessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, anless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifica

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Athuquerque, NM 87109

Hall Devicemental Analysis Labore antis Hanki 1000yuungoo, NM 87400 782, 101-345-3473 FAR 103-343-4400

OrderNo.: 1710E55

| Hall Environmental Analysis | Labora | ttory, Inc. | | | Analytical Report Lub Order 1710E55 Date Reported: 11/16/20 | n7 |
|--|----------------|---------------------|-------------|---------------|---|------|
| CLIENT: Souder, Miller and Assocrates Project: Kuiz (S Lub ID: (710E55-00) | Matrix | | | Date: 10 | 19 BGT 26/2017 2:50:00 PM 27/2017 8:00:00 AM | |
| Analyses | Reult | PQL Qual | Units | DF | Date Analyzed | Bate |
| EPA NETHOD 82608: VOLATILES | | | | | Analyst | MAA |
| 1.2-Diterationiliante (EDB) | ion. | 14 | ugli | 50 | 10/31/2017 6 20:00 AM | |
| Naprinalene | ND | 100 | UDE | 50 | 10/31/2017 5 20:00 AM | |
| 1-MARTANE AND AND AND AND AND AND AND AND AND AND | ND | 200 | ugn. | 50 | 10/31/2017 6:20:00 AM | |
| 2-Matter-America/Webme | ND | 200 | ugit | 50 | 10/31/2017 6:20:00 AM | |
| Acetone | ND | 300 | | 50 | 10/31/2017 6:20:00 AM | |
| | | | HOL | | | |
| Respective and the second seco | ND ND | 50 | hðyr | 50 | 10/31/2017 6:20:00 AM | |
| Pressioneneounisederes | , ND | 50 | µg/L | 50 | 10/31/2017 5:20:00 AM | |
| Bromolorm | ND | -90 | hbir | 50 | 10/31/2017 6/20:00 AM | |
| Bicaucenatium | 40 | 1.93 | ugit | 50 | 18/91/2017 6:20:00 AM | |
| 2-Biolanone | ND | 500 | ug/L | -50 | 10/31/2017 5:20:00 AM | A457 |
| Carbon disution | ND | 300 | ADV | 50 | 10/31/2017 0:22:00 AM | A467 |
| Carbon Tatnumlionillo | ND | 50 | Jug/L | 50 | 10/11/2017 0.20:00 AM | M57 |
| Chivobergene | ND | 50 | HOL | 50 | 10/31/2017 6:20:00 AM | A467 |
| Chluroethane | ND | 100 | HQ/L | 50 | 10/31/2017 6:20:00 AM | |
| Chloroform | ND | 50 | µg/L | 50 | 10/31/2017 6:20:00 AM | |
| Chlingmallimum | ND | 150 | Hol. | 50 | 10/31/2017 6:20:00 AM | |
| 2 Chicrotologung | ND- | 50 | JOL | 50 | 10/31/2017 6:20:00 AM | |
| 4-Chiorotoluene | ND | 50 | | 50 | | |
| se-L20CE | | | ug/L | | 10/31/2017 6:20:00 AM | |
| | ND | 50 | Ug/L_ | -60 | 10/31/2017 0.20:00 AM | |
| on-1.8-Dicriderepene | ND | 50 | +iB/L | 100 | 10/31/2017 6/20:00 AM | |
| 1,2+Dibromo-3-chloropropane | ND | 100 | Ng/L | 50 | 10/31/2017 6:20:00 AM | |
| Opput the Contraction of Contractio | NU | DAJ. | Por- | 60 | 10/31/2017 0:20:00 AM | |
| Dibrumomolhan | ND | 60 | MBN | 60 | 10/31/2017 8:20:00 AM | |
| 1,2-Dichlerobscasse | ND | 50 | AgA. | 80 | 10/31/2017 R-20.00 AM | A467 |
| 1,3 Clatilorobanzona | ND | 50 | µ9/L | 50 | 10/31/2017 0.20.00 AM | A407 |
| 1,4-Dichlorobenzene | ND | 50 | µg/L | 50 | 10/31/2017 6:20:00 AM | A467 |
| Oldviordifusionaltane | ND | 60 | HOL | 50 | 10/31/2017 6:20:00 AM | A467 |
| 1.1-Diébitrussitimotor | ND | 50 | Hall | - 55 | 10/31/2017 6 20:00 AM | 4487 |
| 1.1-Dichloroatheno | ND | 50 | MD/L | 50 | 10/31/2017 5:20:00 AM | |
| T-0-1800MICOPIDDWINE | ND | 50 | 104 | 50 | 10/31/2017 5/20 00 AM | |
| 1.3-Elichilevopropane | ND | 307 | unt. | 50 | 10/31/2017 6 20/00 AM | |
| 2.2-Dichissumpperm | ND | 100 | | 50 | 10/31/2017 5/20:00 AM | |
| 1,1-Dichloropropene | | | HO/L | 50 | | |
| Hexachlorobutadiene | ND | 50 | pgiL | 50 | 10/31/2017 6:20:00 AM | |
| 2-Hexanone | ND | 50 | H9/L | | 10/31/2017 6:20:00 AM | |
| | | 500 | ug/L | 50 | 10/31/2017 6:20:00 AM | |
| Isopropylbenzene | ND | 50 | HOL | 50 | 10/31/2017 6:20:00 AM | |
| 4-leopropylioluena | ND | 50 | Lar | 50 | 10/31/2017 6:20:00 AM | |
| A-Malbyl-2-pimilancine | ND | 300 | HDA | -50 | 10/31/2017 5 20:00 AM | |
| Mathylano EMante | ND | 100 | HeA | 10 | 10/31/2017 6:20:00 AM | A487 |
| Refer to the QC Summary report and | sample log | gin checklist for f | lagged QC a | lata and p | reservation information | s |
| Qualifiers: * Value exceeds Maximum Con | | á. | | | he associated Method Blank | |
| D Sample Diluted Due to Matrix | | | E Value ab | ove quantita | ation range | |
| H Holding tosses fin preparation | re analysis ca | colifeit | J Amilyan | inserted hele | ne quantitation limite Plage | 2.0 |
| SD Not Detremel at the Reporting | Lint | | 9 Sample p | H Not In R. | inge rage | 1 m |
| PQL Practical Quanitative Limit | | | | | Limit | |

ı.

| Hall Environmental Analysi | s Laboratory, Inc. | | Analytical Report Lob Order 1710K55 Data Reported: 11/16/201= |
|---------------------------------------|--------------------|------------|---|
| CLIENT: Souder, Miller and Associates | | Client Sam | ale ID: Kuiz BGT |
| Project: Kuz CS | | Collection | Date: 10/26/2017 2:30:00 PM |
| Lah ID: 17(0E55-00) | Matrix: AQUEOUS | Received | Date: 10/27/2017 8:00:00 AM |
| | | | |

| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
|------------------------------|--------|----------|---------|-----|-----------------------|-------|
| EPA METHOD STREE VOLATILES | | | | | Aminiyat | RAA |
| n-Bunilou un | MD. | 150 | and in | 30 | 10/31/2017 E 20:00 AM | A4675 |
| n-Propyibertzens | ND | 50 | UQ1 | 50 | 10/31/2017 8:20:00 AM | A4675 |
| seo-Butylounzerre | ND | 50 | µg/L | 50 | 10/31/2017 6:20:00 AM | A4075 |
| Styrene | ND | 50 | ugit | 50 | 10/31/2017 6:20:00 AM | A4675 |
| text-Butylberczenc- | ND | 50 | . Ago. | .50 | 10/31/2017 6:20:00 AM | A4075 |
| 1.1.1.2-Tetrachicopothype | - ND | 50 | HOL | 50 | 10/31/2017 6:20:00 AM | A4675 |
| 1.5.2.2-Tetrachiorcethare | . ND | 100 | Jou | 50 | 10/31/2017 6:20:00 AM | A4675 |
| Terrachloroetherie (PCE) | ND | 50 | JOL | 50 | 10/31/2017 6:20:00 AM | AHE75 |
| trans-1.2-OCE | ND. | . 60 | | .60 | 10/01/2017 6:20:00 AM | A4879 |
| tratu-1,3-Dictriordpropene | ND | 50 | up/L | 60 | 10/31/2017 6:20:00 AM | A487 |
| 1,2,3-Trichlorobenzene | ND | 50 | HgrL | 50 | 10/31/2017 6:20:00 AM | A4675 |
| 1,2,4-Trichlorobenzene | ND | 50 | ug/L | 50 | 10/31/2017 6:20:00 AM | A4675 |
| 1,1,1-Trichloigelbane | ND | 50 | upl | -50 | 10/31/2017 6:20:00 AM | A4875 |
| 1,1,2-Trichturgethane | ND | 50 | PUL | 50 | 10/31/2017 6.20.00 AM | A4070 |
| Trichloroethene (TCE) | ND | 50 | ug/L | 50 | 10/31/2017 6:20:00 AM | A4675 |
| Trichlorofluoromeinana | ND | 60 | uol. | 60 | 10/31/2017 6/20:00 AM | AAB7 |
| 1,2,3-Trichloropropunu | NO | 100 | LOL | 60 | 10/31/2017 6.20.00 AM | A4873 |
| Vinyl chloride | ND | 50 | LOL | 50 | 10/31/2017 6:20:00 AM | A4675 |
| Kylenes, Total | 210 | 75 | Jan | 80 | 10/31/2017 @ 20.00 AM | AHE73 |
| Surr 1,2-Dichloroetherei-d4 | 66.2 | 70-130 | %Rec | 60 | 10/31/2017 @30.00 AM | A4671 |
| Surt: 4-Biomoffuentspergreve | 59.2 | 70-130 | "SeFlec | 50 | 10/31/2017 6:20:00 AM | A4678 |
| Sun: Dibromofluoromethane | 103 | 70-130 | %Rec | 50 | 10/31/2017 5:20:00 AM | A4670 |
| Surr: Toluene-d8 | 97,4 | 70-130 | %Rec | 50 | 10/31/2017 6:20:00 AM | A4670 |

 Barfer to the QC: Summary reports and sample legin shockhirts first flagged QC dust and preservation information:

 Quilifier:
 *
 Value exceeds Maximum Communities Level.
 B
 Analyse detected in the associated Stellood Black

 D
 Sample Dilated Due to Marix
 B
 Analyse detected in the associated Stellood Black

 II
 Fielding times for preparision or applys strended
 B
 Analyse detected in the associated Stellood Black

 StD
 No benerical an Engenerical Earlier
 B
 Analyse detected in the associated Stellood Black

 FDL
 Franciscul Qualificative Unitit
 B
 Analyse detected in the stepse in the st

| | onnien | tai Anai | y 515 1 | aborat | ory, Inc. | | | | | | 16-Nov-17 |
|--|----------------|-----------------|-----------|-----------|-------------|-------------|--------------|-------------------|----------|----------|-----------|
| Client. | Souder | , Miller and | Associa | ties | | | | | - | | |
| Project: | Kutz C | | | | | | | | | | |
| Sample (C. 100 | my lusz - | Sampl | you LC | 3 | The | Guar E | PA Mathod | AZEOB: VOL | ATTLED | | |
| Climit ID: LCS | W | Bald | TIT A | 6753 | | anhe a | 0753 | | | | |
| Prep Date: | | Analysis D | Date: 10 | W31/2017 | | SegNo: 1 | 489928 | Units: µg/L | | | 16.1 |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Bertzinte | | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | | | |
| Toblehe | | 19 | 1.0 | 20.00 | 0 | 04.5 | 70 | 130 | | | |
| Chiorobenzene | | 19 | 1.0 | 20.00 | 0 | 96.0 | 70 | 130 | | | |
| 1,1-Dichlorcethere | | 22 | 1.0 | 20.00 | 0 | 109 | 70 | 130 | | | |
| Trichloroethene (TCI | | 20 | 1.0 | 20.00 | 0 | 98.0 | 70 | 130 | | | |
| Sur: 1,2-Dichloror | | 10 | | 10.00 | | 102 | 70 | 130 | | | |
| Sur: 4-Bromofluo | | 9.9 | | 10.00 | | 98.8 | 70 | 130 | | | |
| Surr: Dibromofluor Surr: Toluene-d8 | omethane | 11 | | 10.00 | | 106 | 70 | 130 | | | |
| Suff: Totuene-05 | | 9.8 | _ | 10.00 | | 97.5 | 70 | 130 | _ | | |
| Sample ID rb2 | | | ype: ME | | Tes | tCode: El | PA Method | 8260B: VOL | ATILES | | 1000 |
| CHAMIN: 684 | ¥. | DMO | h IEZ AM | 0783 | | RinNo 4 | 6753 | | | | |
| Prep Dista | | Analysia E | sie 1 | 7165/1428 | | Son/No. 1 | 482822 | Usim: pp/L | | | |
| Analyle | | Besult | POL | SPK webs | RDK Red Val | AREC | I saw unit | Highi Invit- | -NATERIA | 2001 201 | (Scan) |
| Benzene | | ND | 1.0 | | | | | | | | |
| Toluona | | ND | 1.0 | | | | | | | | |
| Ethylbanzena | | ND | 1.0 | | | | | | | | |
| Methyl tert-butyl ethe | | ND | 1.0 | | | | | | | | |
| 1,2,4 Trimothylbonzi 1,3,5 Trimethylbenzi | | ND | 1.0 | | | | | | | | |
| 1,3,3-Thmenybenzi 1,2-Dichloroethane (| | ND | 1.0 | | | | | | | | |
| 1,2-Dihmmathana | | ND | 1.0 | | | | | | | | |
| Vaporthaline | | NO | 2.0 | | | | | | | | |
| Mellymachinalen | | ND | 4.0 | | | | | | | | |
| Alumyin and allow | | ND. | 3.6 | | | | | | | | |
| Acetone | | ND | 10 | | | | | | | | |
| Dromobenzene | | ND | 1.0 | | | | | | | | |
| Bromodichiorometha | ne | ND | 1.0 | | | | | | | | |
| Bramoform | | ND | 1.0 | | | | | | | | |
| Bromomethane | | ND | 3,0 | | | | | | | | |
| 2-Butanone | | ND | 10 | | | | | | | | |
| Carton and de | | ND | 10 | | | | | | | | |
| Carbon Talrachikina | | ND | 1.0 | | | | | | | | |
| Chlorobenzene | | ND | 1.0 | | | | | | | | |
| Chloroethane | | ND | 2.0 | | | | | | | | |
| Chioroform Chioromethane | | ND ND | 1.0 | | | | | | | | |
| 2 Chlorotolucno | | ND | 3.0 | | | | | | | | |
| L www.orosonuchd | | ND | 1.0 | | | | | | | | |
| Qualifiers: | | | - | | | | | | | | |
| | ah Maximum | Conaminant | (cuil | | B Analyse | deternal la | the associa | red Martinif Bile | nà | | |
| | med Dise to M | | | | | | indica marga | | | | |
| | | ston or analysi | a excende | a | | | clow quantit | | | Page 4 o | C11 |
| ND Nos Delecte | d at the Repo | eung Limn | | | | pH Not In | | | | -Be a d | |
| POL Practical O | panitative Lim | | | | RL Reporti | | | | | | |

| | MARY REPORT | boratory, Inc. | WOr | 17102.53 15-Nov-17 |
|---------------------|--|--|-----|-----------------------|
| Client. Project: | Souder, Millet and Associat Kutz CS | s | | |
| Ownple (0 102 | SameTyper MB | K TosiGude EPA Mithod 62608: VOLATILES | | |
| Glient ID: PBW | Baich ID: A4 | 55 RueNci 46763 | | |

| character to APX | 2-0.01 | 31.00 | ant an | 100 | | A De construire | 956681 AOF | and the local diversion of | | |
|-------------------------------|-----------------|-----------|-----------|-------------|----------------|-----------------|----------------|----------------------------|-----------|------|
| Client ID: PBW | Baid | A ID. A | 40755 | 1.0 | Runhe a | 6763 | | | | |
| Prep Date: | Analysis D | Date: 1 | 0/31/2017 | | SeqNo: 1 | 489929 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %RFC | Low imit | HighLimit | %RPD | RPDLimit | Qual |
| Chicrololuene | ND | 1.0 | | | | | | | | |
| is-1.2-DCE | ND- | 1.0 | | | | | | | | |
| is-1,3-Dichioropropena | ND | 1.0 | | | | | | | | |
| ,2-Dibromo-3-chiloropropane | ND | 2.0 | | | | | | | | |
| Doromochloromethane | ND | 1.0 | | | | | | | | |
| Distornomethane | ND | 1.0 | | | | | | | | |
| 2-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| .3-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| .4-Dichlorobenzene | ND | 1.0 | | | | | | | | |
| Dichlorodifluoromethane | ND | 1.0 | | | | | | | | |
| 1-Dichloroethane | ND | 1.0 | | | | | | | | |
| ,1-Dichloroethene | NU | 1.0 | | | | | | | | |
| 2-Dichloropropane | ND | 1.0 | | | | | | | | |
| .3-Dichloropropane | ND | 1.0 | | | | | | | | |
| 2-Dichloropropenc | ND | 2.0 | | | | | | | | |
| 1-Dichloropropene | ND | 1.0 | | | | | | | | |
| fexachlorobutadiene | ND | 1.0 | | | | | | | | |
| Hexanone | ND | 10 | | | | | | | | |
| scoropyBerthene | ND | 1.0 | | | | | | | | |
| i-isopropyfloluene | ND | 1.0 | | | | | | | | |
| -Methyl-2-pentanone | ND | 10 | | | | | | | | |
| Aethylene Chloride | ND | 3.0 | | | | | | | | |
| Butylbenzene | ND | 3.0 | | | | | | | | |
| -Propylbenzene | ND | 1.0 | | | | | | | | |
| ac-Butylbenzene | ND | 1.0 | | | | | | | | |
| ityrene | ND | 1.0 | | | | | | | | |
| ert-Butylbenzene | ND | 1.0 | | | | | | | | |
| 1.1.2-Tektchkobettune | ND | 1.0 | | | | | | | | |
| 122/Tetrachiosoethune | ND | 3.0 | | | | | | | | |
| etrachloroethene (PCE) | ND | 1.0 | | | | | | | | |
| rams-1,2-OCE | ND | 1.0 | | | | | | | | |
| rans-1,3-Dichloropropene | ND | 1.0 | | | | | | | | |
| 2.3-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 2,4 Triphlorobenzene | ND | 1.0 | | | | | | | | |
| ,1,1-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1.2-Trichloroethane | ND | 1.0 | | | | | | | | |
| ichloroethene (TCE) | ND | 1.0 | | | | | | | | |
| ichicrofluoromethane | ND | 1.0 | | | | | | | | |
| ,2,3-Trichloropropane | ND | 2.0 | | | | | | | | |
| allo-monorohiohalle | ND | 2.0 | | | | | | | | |
| Qualifiers: | | | | | | | | | | |
| * Value exceeds Maximus | m Contaminant I | Level. | | B Analyti | e detected i | n the associat | ted Method Bla | nk | | |
| D Sample Diluted Due to I | | | | E Value | above quan | titation range | C | | | |
| 14 Holding times for prepa | | s insceed | at. | J Anatyo | e detected b | selow quantit | ation limits | | Page 5 il | 611 |
| ND - Not Deseased at the Kop | naving Limit. | | | ir sample | t pits pice to | stange | | | 1.041.010 | |
| PUL Practical Quantitative Li | rest. | | | RL Report | ing Detrets | timit in | | | | |
| | | | | | | | | | | |

QC SUMMARY REPORT

WON. 1710E55 Hall Environmental Analysis Laboratory, Inc.

| Client: Soud Project: Kutz | er. Miller and CS | Associa | ues | | | | | | | |
|-------------------------------|----------------------|---------|-----------|-------------|----------|-----------|-------------|--------|----------|------|
| Servie ID 162 | 8mm/ | No Mi | BLK. | Tes | Gath: E | PA Method | 62608: VOL | ATILES | | |
| Client (D) PBW | Betc | ID A | 6753 | | Aurio 4 | 6753 | | | | |
| Prep Date: | Analysis (| ate: 1 | 0/31/2017 | 5 | SeqNo: 1 | 489929 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Vinyl chloride | ND | 1.0 | | | | | | | | |
| Xylenes: Total | ND | 15 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.9 | | 10.00 | | 99.4 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 9.8 | | 10.00 | | 97.5 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 103 | 70 | 130 | | | |
| Sur: Toluene-d8 | 9.9 | | 10.00 | | 99.3 | 70 | 130 | | | |
| | | | | | | | | | | |

QC SUMMARY REPORT

16-Nov-17

Hall Environmental Analysis Laboratory, Inc.

| Sample ID Jes-34789 | Same | Type: LC | ÷. | Tan | Code E | PA Method | 8276C: PAH | | | |
|---|--|--|---|--|---|---|--|---|--|------|
| Client ID: LCSW | | h ID: 34 | | | tunNo: 4 | | | | | |
| Prep Date: 11/2/2017 | Analysis (| | | | SeqNo: 1 | | Units: µg/L | | | |
| Analyte | Result | POL | SPK value | | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Naphthalene | 16 | 0.50 | 20.00 | O D | 79.9 | 28.6 | 113 | 7690 | POPULIMI | Qua |
| -Methylnaphthalene | 14 | 0.50 | 20.00 | 0 | 67.9 | 27 | 113 | | | |
| 2-Methylnaphthalene | 15 | 0.50 | 20.00 | 0 | 73.2 | 26.3 | 112 | | | |
| -cenaphthylene | 17 | 0.50 | 20.00 | 0 | 83.3 | 36.2 | 114 | | | |
| konaphthene | 18 | 0.50 | 20.00 | 0 | 88.7 | 35.6 | 116 | | | |
| luorene | 18 | 0.50 | 20.00 | 0 | 89.0 | 38.4 | 116 | | | |
| henanthrane | 18 | 1.0 | 20.00 | 0 | 88.8 | 42.3 | 118 | | | |
| Inthracene | 17 | 0.50 | 20.00 | 0 | 86.9 | 42.2 | 117 | | | |
| luoranthene | 18 | 0.50 | 20.00 | 0 | 90.1 | 42.5 | 118 | | | |
| Avrene | 17 | 0.50 | 20.00 | 0 | 84.2 | 42.5 | 121 | | | |
| Benz(a)anthracene | 20 | 0.50 | 20.00 | 0 | 84.Z 97.7 | 40.8 | 121 | | | |
| Singalanimadana | 20 | 0.50 | 20.00 | | 97.7 | 43 | 118 | | | |
| Jenzolb)/fuoranthene | 19 | 0.50 | 20.00 | 0 | 93.3 | 47.8 | 119 | | | |
| Renzolk/Nuoranthenie | 19 | 0.50 | 20.00 | 0 | 93.3 95.6 | 47.8 | 115 | | | |
| Bertirojajoyenta | 10 | 0.50 | 26.00 | B | 92.6 | 40.5 | 115 | | | |
| Scienzia hianitescine | 18 | 0.50 | 20.00 | D | 80.5 | 46.6 | | | | |
| Kenzola Alamonia | | | | | | | 115 | | | |
| | 18 | 0.50 | 20.00 | 0 | 90.8 | 42 | 110 | | | |
| Sur: N-hexadecane | 18 | 0.50 | 23.00 | 1 | 87.7 | 42.5 | 118 | | | |
| Sun: N-hexadecane Sun: Benzo(e)pyrene | 17 | | 87,60 | | 81.3 | 34.2 | 111 | | | |
| Ser Dermite Manie | -17 | | 20.00 | _ | 85.1 | 39.3 | 124 | _ | | _ |
| Sample IU load-34789 | Samp | yoe LC | SD | Ten | Cote E | PA Method | B270C PAH | - | | |
| Client ID: LCSS02 | Buto | h 1D: 34 | 760 | P | iunNo: 4 | 7113 | | | | |
| Prep Date: 11/2/2017 | Analysis (| Date: 1 | 1/14/2017 | 5 | SegNo: 1 | 603163 | Units: uo/L | | | |
| 1.11.1 | | | | | | 303133 | | | | |
| Anante | Result | POI. | SPK WANK | SPIC Rel Val | MREC | LowLimit | HighLimit | TERPD | RPOLimit | Qual |
| | Result 17 | PQL 0,50 | SPK value 20.00 | SPIC Rel Val | MREC: 82.7 | | | BRPD 3.44 | RPOLimit 40.7 | Qual |
| lagovinalism | | | | | 101100 | LowLimit | HighLimit | | | Qual |
| Naprivalene Mart yn april wend | 17 | 0,50 | 20.00 | U | 82,7 | La#Limit 28,6 | HighLimit Eth | 3.44 | 40.7 | Qual |
| laprinalere Macryalapril wend Methylnaphthalere | 17 17 | 0,50 | 20.00 20.00 | 0 0 | 82,7 82,8 | La#Limit 28,6 27 | HighLimit 113 113 | 3.44 19.8 | 40.7 38,4 | Qual |
| 1 Mart ya april wano 2 Methylnaphthalene Acenaphthylene | 17 17 15 | 0,50 0,80 0.50 | 20.00 20.00 20.00 | 0 0 | 82,7 82.8 75.0 | La#Limit 28,6 27 26.3 | HighLmit 113 112 | 3.44 19.8 2.43 | 40,7 38,4 25.5 | Qual |
| Nazirivaleni 1-Mari ya aptiti seno 2-Mathylnaphthalene Acenaphthylene Acenaphthere | 17 17 15 16 | 0,50 0,80 0,50 0,50 | 20.00 20.00 20.00 20.00 | 0 0 0 | 82,7 82.8 75.0 82.0 | LowLimit 28,6 27 26,3 36,2 | HighLmit 113 113 112 114 | 3.44 19.8 2.43 1.57 | 40,7 38,4 25,5 34,1 | Qual |
| Narrivalene 1 Mart je april: sene 2 Methylnaphthalene Acenaphthylene Acenaphthene Fluorene | 17 17 15 16 17 | 0,50 0,80 0.50 0,50 0,50 | 20.00 20.00 20.00 20.00 20.00 | 0 0 0 | 82.7 82.8 75.0 82.0 84.5 | LowLimit 28,6 27 26,3 36,2 35,6 | HighLmit 113 113 112 114 116 | 3.44 19.8 2.43 1.57 4.85 | 40.7 38.4 25.5 34.1 32.1 | Qual |
| Nacrivialene 1 Macrivinacintinaene 2 Methylvachthalene Acceaphthene Acceaphthene Macraphthene Macraphthene Marranitirene | 17 17 15 16 17 17 | 0,50 0,50 0,50 0,50 0,50 0,50 | 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 | 82,7 82,8 75,0 82,0 84,5 84,7 | LawLimit 28,6 27 26,3 36,2 35,6 38,4 | HighLimit 113 113 112 114 116 116 | 3.44 19.8 2.43 1.57 4.85 4.95 | 40,7 38,4 25,5 34,1 32,1 28 | Qual |
| Azornalene Aker unschlusene Sversphittylene scensphittylene Susrene Transantreme Votracene Votracene Jourchtens | 17 17 15 16 17 17 17 | 0,50 0,80 0,50 0,50 0,50 0,50 0,50 1,0 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 | 82,7 82.8 75.0 82.0 84.5 84.7 83.3 | LawLimit 28,6 27 26,3 36,2 35,6 38,4 42,3 | HighLmit 113 113 112 114 116 116 118 | 3.44 19.8 2.43 1.57 4.85 4.95 6.39 | 40,7 38,4 25,5 34,1 32,1 28 37,4 | Qual |
| Azornalene Aker unschlusene Sversphittylene scensphittylene Susrene Transantreme Votracene Votracene Jourchtens | 47 17 15 16 17 17 17 17 | 0,50 0,50 0,50 0,50 0,50 0,50 1,0 0,50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 0 | 82,7 82.8 75.0 82.0 84.5 84.7 83.3 80.7 | LawLimit 28,6 27 26,3 36,2 35,6 38,4 42,3 42,2 | HigitLmit 113 113 112 114 116 116 118 117 | 3.44 19.8 2.43 1.57 4.85 4.95 6.39 7.40 | 40,7 28,4 25,5 34,1 32,1 28 37,4 36,2 | Qual |
| Naprimalene 1 Alexy Inaprimaens 2 Alektyhnaphitalene Acenaphitylene Paorane Ph | 47 17 15 16 17 17 17 16 | 0,50 0,50 0,50 0,50 0,50 1,0 0,50 1,0 0,50 13,50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 | 82,7 82.8 75.0 82.0 84.5 84.7 83.3 80.7 85.8 | LowLimit 28,6 27 26,3 36,2 35,6 38,4 42,3 42,2 42,5 | HighLmit 113 113 112 114 116 116 116 118 117 118 | 3.44 19.8 2.43 1.57 4.85 4.95 6.39 7.40 4.89 | 40,7 38,4 25,5 34,1 32,1 28 37,4 36,2 26,6 | Qual |
| Narrivalarie Alectivijachtuerie Alectivijnachtuerie Konaphthere Pluorene Pluorene Horantinore Autracene Autracene Autracene Autracene | 17 17 15 16 17 17 17 16 17 | 0,50 0,80 0,50 0,50 0,50 1,0 0,50 1250 0,50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 0 0 | 82,7 82,8 75,0 82,0 84,5 84,7 83,3 80,7 85,8 84,9 | LowLimit 28,6 27 26,3 36,2 35,6 38,4 42,3 42,3 42,2 42,5 40,8 | HighLmit 113 113 112 114 116 116 116 118 117 118 121 | 3.44 19.8 2.43 1.57 4.85 4.95 6.39 7.40 4.89 0.828 | 40,7 38,4 25,5 34,1 32,1 28 37,4 36,2 26,6 26,8 | Qual |
| Nacritivalenii 1. Marti yinacriti saene 2. Martiyinachittaalene Acenaphittylene Acenaphittylene Acenaphittylene Acenaphittylene Martiachittaalene | 47 17 15 16 17 17 17 16 16 17 16 17 17 | 0,50 0,80 0,50 0,50 0,50 1,0 0,50 1,250 0,50 0,50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | , 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 82,7 82.8 75.0 82.0 84.5 84.7 83.3 80.7 85.8 84.9 86.9 | LawLimit 28,6 27 26,3 36,2 35,6 38,4 42,3 42,2 42,5 40,8 43 | HighLmit 113 113 112 114 116 116 116 117 117 118 121 118 | 3.44 16.8 2.43 1.57 4.85 6.39 7.40 4.89 0.828 11.7 | 40,7 28,4 26,5 34,1 32,1 28 37,4 36,2 26,6 26,6 26,8 25,1 | Qual |
| karmalariu Anorijeapithuareo Anorijeapithuareo conspitifykne conspitifykne burrathore hurrathore hurrathore hurrathore hurrathore hurrathore hurrathore hispane hispane hispane | 17 17 15 16 17 17 17 16 17 17 16 | 0,50 0,80 0,50 0,50 0,50 1,0 0,50 0,50 0,50 0,50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | , 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 82.7 82.8 75.0 82.0 84.5 84.7 83.3 80.7 85.8 84.9 86.9 86.9 81.1 | LowLmit 28,6 27 26,3 35,6 38,4 42,3 42,2 42,5 40,5 43 39,4 | HighLmit 113 113 112 114 116 116 116 118 117 118 121 118 119 | 3.44 19.8 2.43 1.57 4.85 6.39 7.40 4.89 0.828 11.7 6.90 | 40,7 38,4 25,5 34,1 32,1 28 37,4 36,2 26,6 26,6 25,1 23,3 | Qual |
| Narmalere 1 Martylespithalere Konspithere Konspithere Narsen Parsen Narsen Storblere Seruljaktracene Parsenhere Seruljaktracene Parsenhere Seruljakorate Ser | 17 17 16 16 17 17 17 17 16 17 17 16 17 17 | 0,50 0,80 0,50 0,50 0,50 1,0 0,50 0,50 0,50 0,50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 82.7 82.8 75.0 84.5 84.7 83.3 80.7 85.8 04.9 86.9 81.1 85.6 | Lo#Limit 28,6 27 26,3 36,2 38,6 38,4 42,3 42,2 42,5 40,6 43 39,4 47,8 | HephLmitt 113 113 112 114 116 116 116 118 117 118 119 115 | 3.44 19.8 2.43 1.57 4.85 6.39 7.40 4.89 0.828 11.7 6.90 8.61 | 40,7 38,4 25,5 34,1 32,1 28 37,4 36,2 26,6 26,6 25,1 23,3 | Qua |
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QC SUMMARY REPORT

Kutz CS

Client:

Project:

Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates

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| Client ID: PBW | Batch ID: 34923 | RunNo: 47017 | | | |
|-------------------------|--------------------------|----------------------------|--|----------|----|
| Prep Date: 11/9/2017 | Analysis Date: 11/9/2017 | | man int | | |
| THE PERSON NUMBER OF | | SeqNo: 1500290 | Units: mg/L | | |
| Analyte | | SPK.Ref Val S.REC LowLimit | RepLinit %R90 | RPOLm/t | Qu |
| Mercury | NU 0.00020 | | and the second sec | | _ |
| Sample ID LC8-34923 | SampType LCS | TwitCode EPA Melbod | 7470: Mercury | | |
| Client ID: LCOW | Batcirit) 34923 | Bunitiva #7017 | | | |
| Prep Date 11/0/2017 | Amilysia Date: 11/9/2017 | Smphis 1600291 | Unia mg/L | | |
| Analysa | Result POL SPIC value | SPK Ref Val MREC LowLine | Hollinit SRPD | RPDLmit | Qu |
| Mercury | 0.0052 0.00020 0.006000 | | | | |
| Sample ID 1710E55-001CM | ta SampTypa MS | TestCode: EPA Method | | | - |
| Client ID: Kutz 6GT | Eatch /D 34923 | | varu: mercury | | |
| | | RunNo. 47017 | | | |
| Prop Date: 11/9/2017 | Analyzis Date: 11/W2017 | 900M0 1900283 | UNITE MOL | | |
| Analyto | | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit | Qu |
| Mercury | 0.0040 0.00020 0.005000 | 0.0001159 78.3 75 | 125 | | |
| Sample ID 1710E55-001CM | ISD SampType: MSD | TestCode: EPA Method | 7470: Mercury | | |
| Client ID: Kutz BGT | Batch (D: 34923 | RunNo: 47017 | | | |
| Prep Date: 11/9/2017 | Analysis Date: 11/9/2017 | SegNo: 1500294 | Units: mg/L | | |
| Anable | Hasuit Pick. SPK value | SPICENT Val MIREC LowLine | HighLinnia MRPD | RPDLimit | 0a |
| Mercury | 0.0040 0.00020 0.006000 | 0.0001159 /8.5 75 | 125 0.227 | 20 | |
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- Qualifiers
 Qualifier:
 Value exceeds Maximum Contaminant Level.

 D
 Sample Dibated Dae to Matrix
 H

 H
 Holding times for preparations or antijonis exceeded
 NO

 KD
 Foch Daccod a time Response Tunix
 PQL

 PActical Quantitative Limit
 Foch Daccod a time Response Tunix
 FQL
- B Analyte detected in the associated Method Blank
 E Value above quantitation range
 Anniyte Advocted Incluse quantitation linese
 Y* Sample pH Not in Range
 RL, Reporting Detection Limit
- Page 9 of 11
- - W Bample consume temperature is out of limit as specified

- Qualifier:
 •
 Value records Maximum Contaminant Level,

 D
 Sample Diluted Due to Matrix
 •

 H
 Holding times for preparation or analysis exceeded.

 ND
 Not Directed at the Reporting Limit

 PQC
 Paciend Durinitive Limit

 S
 % Recovery outside of range due to dilution or matrix

Page 6 of 11

B Analyte detected in the associated Method Blank
 E Vahar above quantization range
 J Analyte detected below quantization limits
 Sumpte part Next in Xange
 HL. Reporting Detection Limit
 W Sample container temperature is out of limit as specified

| | al Analysis Laboratory | 100. | | | 10-Nov-17 | Clients | | al Analysis | | ary, nac, | | | | | 16-Nov-17 |
|--|---|--|--|---------------|-----------|---|---|---|--|--|--|--|---|----------------------------|-----------|
| roject: Kutz CS | | and the second | | | | Project: | Kutz CS | | | | 1 | | | _ | - |
| rmple ID MID 34616 emm (ID) PBW ep Date 11/M2017 inkyw enc enc onken d nium | ND 0.020 ND 0.020 ND 0.0020 ND 0.0060 ND 0.0050 ND 0.050 | TentGudar E/A 801963 RuniNo: 46886 SagNo: 1495802 Ref Val ILIREC LowLimit | Linitz: mg/L | | Qual | Client ID: 1 | 71855-881CM8 Sutz BGT 11/4/2017 | CampType M Batch ID: 3 Ansiyals Date: 1 Result PCL 0.51 0.020 0.52 0.0050 0.51 0.055 0.60 0.055 0.10 0.0550 | 8816 1/6/2017 SF/K, villum 0.5000 0.5000 0.5000 0.5000 0.5000 | SPK Ref Val 0.01230 | etCodo: EPA 604085 RunNo: 46888 Sispha 1495834 <u>NREC LowL</u> 101 75 99.6 75 101 75 102 75 114 75 102 75 | Livita: mg/L HighLimit 125 125 125 125 125 | | RPDLIME | Qua |
| ar | ND 0,0050 | | _ | | | 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C 1000 C | 710E55-001CMS | e lane der la | | | Code EPA 00108 | Total Recover | able Metals | • | |
| iampic D LLLC5-34916 Novi ID BatchQC rep Data 11/4/2017 malyas | | TimtCode: EPA 60108; RolMa: 48888 SegNa: 1495803 Ref.Viti: IL/RED: LawLimit | Units: mg/L (tighLim) Mil | | Qual | Client ID: Drop Date Analyte Analyte | | Batch IIJ, 3 Analysis Date: 1 Result PQL 0.58 0.000 | 1/8/2017 SPK view 0.5000 | SPK Rei Val | KinjNo: 45888 SwgNo: 1486838 AREC: LawLimit 111 75 | HighLimit 125 | 1.35 | RPDLimit 20 | Duril |
| senic rlum iromium iromium ad lemium ver. | NID 0.020 0.020 0.020 NID 0.020 0.002000 0.002000 0.0021 0.00200 0.002000 0.002000 NID 0.0050 0.005000 0.005000 NID 0.0050 0.005000 0.005000 NID 0.0560 0.005000 ND5000 NID 0.0560 0.055000 ND50000 | 0 133 50 0 121 50 0 106 50 0 112 50 0 57.2 50 0 113 50 0 99.4 50 | 150 150 150 150 150 150 150 | | | Banum Caromum Chromum Lead Selenium Skier | 1 | 0.52 0.020 0.51 0.000 0.52 0.0060 0.51 0.0050 0.61 0.055 8.10 0.0050 | 0.5000 0.5000 0.5000 0.5000 | 0.01230 0.002240 0.009240 0 0.02856 0 | 101 75 102 75 102 75 102 75 101 75 101 75 | 125 125 125 125 | 0,182 0,997 0.597 0,769 2,79 0,345 | 20 20 20 20 20 | |
| amsile 40 LC3-04816 Bent 10: LCSW rep Date: 11/4/2017 chily/se enic bin dmium omium set | Billich ID Saltet Billich ID Saltet Ansilysis Dalls 14/4/2017 Result P/2L SPK Value 0.52 0.020 0.5000 0.48 0.020 0.5000 0.49 0.0050 0.5000 0.50 0.5000 0.5000 | Tenicolar EFA 60198: RunNo: 46886 SeqNo: 1495884 Ref Vali 1465884 0 105 80 0 46.4 50 0 46.4 50 0 96.4 50 0 96.4 80 0 96.9 80 0 92.4 80 | Units mg/L | | Qual | | | | | | | | | | |
| enum er armile ID 1710ES5-001CMS lami ID Klass BiTT rep Date: 11/4/2017 nalyte | 0.52 0.050 0.5000 0.10 0.0050 0.1000 StempType: Ms Blaten ID: 54015 Analysis Date: 11/6/2017 Result PQL SPK value SPK | 0 104 80 0 102 80 TentCode: EPA boriela: Humho: 48888 SeqNo: 1495834 Ref Val %REC LowLimit | 120 120 Total Recoverable Units: mg/L HighLimit %F | | Qual | | | | | | | | | | |
| senic sulfifers: * Value exceeds Maximum C D Sample Diburd Due to Mat Holding Ithins for program BD For Detected at the Report QL Practical Quantitative Limit S % Recovery outside of rang | trix E an or-analysis excession I ing Limit P RL | 2075 109 75 Analyte detected in the associ Value above quantitation rang Analyte detected below quanti Sample pll Not in Range Reporting Detection Limit Sample container temperature | arana finnila | Page 10 of 1 | 11 | D Sample H Hailing KD Nex Dat PQL Practica | Diluted Due to Ma times for prepatiti netail at the Report I Quanitative Limit | on or analysis excerding times | | E Value J Analy P Sumpl RL Report | e detected in the associ above quantitation rang e detected below quant e data and below quant e pH Noi Ia Range ing Detection Limit e container temperature | e Lusion filmis | | Page 11 at | п |
| HALL ENVIRONMENT ANALYSIE LABORATOR | WTAL | 1990 Harding States - 1990 Harding 1990 Hardina Mi Albuquergan MM 87105 145 3978 FAX: 503-543-4107 1994 Milliontemental Com | Sample Lo | og-In Check I | List | ITAL | | | IN IN AV SH | 에에 1년 위험 | | | | | feet. |
| Client Name: SMA-F/ Received By: Sophia Completed By: Erin M | ARM Work Order a Campuzanio 10/27/2017 8:0 | Number: 1710E55 | MA | RaptNo: 1 | | INVIRONMENTAL | Acomental.com suquergua. NM 97-09 Fax 505-545-4107 | SB2 FCB5 | (AOV (AOV) | 85808 (| x | | | | Repat 50 |

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Cooler No Temp *C Condition Seal Hated Seel No Seal Date Bigmed By 1 3.1 Good Yes

17. Additional re

Page 1 of 1

4901 Hawkins NE - Albuc Tel: 505-345-3975 Fax MANIALY ROUM 1643 Remarks Curl Lis MANIALY ROUM 1643 Bris Full Lis Bare Compose K BAH's (8310 or 220 gine) Involue Tom (1.408 bortleM) BOB (1.814 borlew) HGT (ОЯМ / ОЯС / ОЯВ) ВЕГОВ НЯТ BTEX + MTBE + TPH (Gas only (1000 arc) Hz2 + 381/M + X318 (1209) 86/11 + 381/M + X318 (1209) 86/11 + 381/M + X318 (200) 200 from (200) (200) 2 Milling Polytons, Lot JJ, Buendaundy K-472, CS FARTANI Ing Pala JAN, 872/41 Popol 11. Phone 11: Sec 213-7535 Phone 12: Sec 213-7555 Phone Sampler: Courses 11 Marson On the constraints 2 P1022 (CP) = 3 / Union VARION - DD Project Name Type Tam-Around Tinus: Container P ment Sondan Miller Asec. Sample Request ID Chain-of-Custody Record ILUIT 14-34 HEO Kunte BGT And Ward Ì Rey it in the second Matrix Line well Time Į. Date 1

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Analytical Report



| ENVIRONMENTAL | 4861 Hawkim Himmenrywe NM 871 |
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| LABORATORY | TEL. 2015-T43-5925 Park: 543-545-44 Wolcome: using Kallowsieronmental |
| November 06, 2017 | |
| Ashley Maxwell | |
| Souder, Miller and Associates 401 W. Broadway | |
| Farming isa, NM 87403 | |
| FAX | |
| RE: Martinez CS | OrderNo. 1710702 |
| Dear Ashley Maxwell: | |
| Hall Environmental Analysis Laboratory rece analyses presented in the following report. | ived 1 sample(s) on 10/12/2017 for the |
| tests please go to www.hallenvironmental.com properly interpret your results, it is imperative | e that you review this report in its entirety. |
| tests please go to www.hallenvironmental.com | n or the state specific web sites. In order to that you review this report in its emirety. Cusuody for information regarding the Data qualifiers or a marrative will be quality control parameters require a flag, on both the sample analysis report and the reviewed. All samples are reported, as assurement of analysis considered field mates of sampling such as pH and residual |
| tests please go to www.hallenvironmental.cor properly interpret your results, it is imperative see the sample iccleckins und/or the Claim of sample receipt temperature and preservation, provided if the sample analysis or analytical When necessary, data qualifiers are provided QC ammary report, both sections should be reactived, unless otherwise indicated. Tah me parameters that require analysis within 15 mi | nor the state specific web sites. In order to that you review this report in its entirety. Cussedy for information regarding the Data qualifiers or a marrative will be quality control parameters require a flag, on both the sample analysis report and the reviewed. All samples are reported, as acurement of analysis considered field nutes of sampling such as pH and residual de of the recommended holding time. |
| tests please go to <u>www.hallenvironmental.co</u> properly interpret your results, it is imperative See the sample checklist and/or the Clinin of sample receipt temperature and preservation, provided if the sample analysis or analytical of When necessary, data qualifiers are provided QC ammany report, both sections should be resulted, unless otherwise indicated: Tab me parameters that require analysis within 15 mi chlorine are qualified as being analyzed outai | in or the state specific web sites. In order to that you review this report in its entirety. Cussedy for information regarding the Data qualifiers or a narrative will be quality control parameters require a flag, on both the sample analysis report and the reviewed. All samples are reported, as samerous a familyse considered field nutes of sampling such as pH and residual de of the recommended holding time. Additional information or clarifications |
| tests please go to www.hallenvironmental.com properly interpret your results. It is imperative See the sample enactive and/or the Chinn of sample receipt temperature and preservation, provided if the sample analysis or analytical a When necessary, data qualifiers are provided OC aummary report, both sections should be: resulted, unless atherwise indicated T as me parameters that require analysis within 15 mi chilorine are qualified as being analyzed outai Please don't hesitate to contact HEA1: for any | in or the state specific web sites. In order to that you review this report in its entirety. Cussedy for information regarding the Data qualifiers or a narrative will be quality control parameters require a flag, on both the sample analysis report and the reviewed. All samples are reported, as samerowing a familytise considered field nutes of sampling such as pH and residual de of the recommended holding time. (additional information or clarifications |
| tests please go to <u>www.hallenvironmental.cor</u> properly interpret your results, it is imperative see the sample checklist und/or the Claim of sample receipt temperature and preservation, provided if the sample analysis or analytical When necessary, data qualifiers are provided QC ammary report, both sections should be received, unless otherwise indicated. Tain me parameters that require analysis within 15 mi chlorine are qualified as being analyzed outai Please don't hesistate to contact HEAT. For any ADBRS Cent #AZ0682 — NMED-DWB Cent | in or the state specific web sites. In order to that you review this report in its entirety. Cussedy for information regarding the Data qualifiers or a narrative will be quality control parameters require a flag, on both the sample analysis report and the reviewed. All samples are reported, as samerous a familyse considered field nutes of sampling such as pH and residual de of the recommended holding time. Additional information or clarifications |
| tests please go to www.hallenvironmental.cor properly interpret your results, it is imperative see the sample checklis und/or the Chinn of sample receipt temperature and preservation, provided if the sample analysis or analytical of When necessary, data qualifiers are provided QC ammany report, both sections should be received, unless otherwise indicated: Tab me parameters that require analysis within 15 mi chlorine are qualified as being analyzed outai Please don't hesitate to contact HEA1: for any ADBS Cent #AZ0682 — NMED-DWB Cent Sincerely, | in or the state specific web sites. In order to that you review this report in its entirety. Cussedy for information regarding the Data qualifiers or a narrative will be quality control parameters require a flag, on both the sample analysis report and the reviewed. All samples are reported, as samerous a familyse considered field nutes of sampling such as pH and residual de of the recommended holding time. Additional information or clarifications |
| tests please go to <u>www.hallenvironmental.cor</u> properly interpret your results, it is imperative see the sample checkins und/or the Clinin of sample receipt temperature and preservation, provided if the sample analysis or analytical of When necessary, data qualifiers are provided QC aummany report, both sections should be received, unless otherwise indicated: Tab me parameters that require analysis within 15 min chlorine are qualified as being analyzed outai Please don't hesitate to contact HEAL for any ADBS Cent #AZ0682 — NMED-DWB Cent Sincerely, | in or the state specific web sites. In order to that you review this report in its entirety. Cussedy for information regarding the Data qualifiers or a narrative will be quality control parameters require a flag, on both the sample analysis report and the reviewed. All samples are reported, as samerowing a familytise considered field nutes of sampling such as pH and residual de of the recommended holding time. (additional information or clarifications |

| Iall Env | iro | nmental Analysis | Labora | tory. In | c. | | 1.at | alytical Report Order 1710702 a. Reported. 11/6/2015 |
|-------------|----------|-------------------------------|----------------|--------------|-------|--------|--------------------------|--|
| - | - | , Miller and Associates | Labora | | - | lieut | Sample ID: Martin | |
| roject: I | dantis | ux CS | | | | Colla | ction Date: 10/10/ | 2017 12:04:00 PM |
| ab IDr 1 | 7107 | 02-001 | Matrix: | AQUEOUS | | Rec | eived Date: 10/12/ | 2017 7:05:00 AM |
| andyses | | | Result | PQL. | Qual | Unit | s DF | Date Analyzed |
| EPA METH | 00 7- | 478: MERCURY | | | | | | Analyst: MED |
| Mercury | | | ND | 0.020 | | ma | 1 | 10/25/2017 9:00:15 AM |
| EPA SOLOF | - 101 | AL RECOVERABLE ME | TALE | | | | | Analyst: MED |
| Americ | 191 | HE HERD TRIVIALE HE | ND | 5.0 | | ma | · · · · | 10/18/2017 10:34:52 AM |
| Banuni | | | ND | 100 | | mg | | 10/16/2017 10:34:52 AM |
| Cadmium | | | ND | 1.0 | | mg | | 10/18/2017 10:34:52 AM |
| Chromium | | | ND | 5.0 | | mp | | 10/1E/2017 10:34:52 AM |
| Load | | | MD | 5.0 | | ma | | 10/18/2017 10:34:52 AM |
| Selenium | | | ND | 1.0 | | mg | | 10/18/2017 10:34:52 AM |
| Sive | | | MEX | 2.0 | | - 100 | | 10/18/2017 10-3/1-52 AM |
| PAMETH | OD 8 | 270C: PAHS | | | | | | Ansiver DAM |
| Naphthales | | | ND | 5.0 | D | hou | 1 | 10/19/2017 2:15:28 PM |
| 1-Moinyisa | | - | ND | 5.0 | D | ugi | | 10/19/2017 2:15:28 FM |
| 2-Methylma | | | ND | 5.0 | D | Lipi | | 10/19/2017 2:15:28 PM |
| Acenactin | | uno. | ND | 5.0 | D | Pal | | 10/19/2017 2:15:28 PM |
| Acenaphili | | | ND | 5.0 | D | HOT | | 10/10/2017 2:15:29 FM |
| FLATION | | | ND | 5.0 | 0 | Val | | 10/19/2017 2:15:28 PM |
| Physianthe | - | | ND | 5.0 | D | uo/ | | 10/19/2017 2:15:28 PM |
| Antitracem | | | ND | 5.0 | D | - ugi | | 10/19/2017 2.15.28 PM |
| Fluoranthe | DR. | | ND | 5.0 | D | Lon | | 10/19/2017 2:15:28 PM |
| Pyrona | | | ND | 5.0 | D | pot | | 10/19/2017 2:15:28 PM |
| Bunz(a)ani | rotor | 10 | ND | 5.0 | D | hay | | 10/19/2017 2:15:28 PM |
| Chrysene | | | ND | 5.0 | D | Leg/ | | 10/19/2017 2:15:28 PM |
| Benzoihiti | intent | no je | ND | 5.0. | D | LO/ | | 10/19/2017 2 15:25 PM |
| Banazo(k)/b | INCOME | Ten Cite | ND | 5.0 | n | Ho/I | 1 | 10/19/2017 2:15-20 PM |
| Benuto(alp) | yTHE III | | ND | .0.0 | D | Ha/ | 1. | 10/19/2017 2:15:20 PM |
| Dipenz(a,h | ()anthra | cene | ND | 5.0 | D | - pg/ | 1 | 10/19/2017 2:15:28 PM |
| Benzo(g,h, | i)peryle | ene | ND | 5.0 | D | µg/l | 1 | 10/19/2017 2:15:28 PM |
| Indenty),2 | 3 mile | iyrene | ND | 5.0 | D | iig/ | - n | 10/19/2017 2:15:20 PM |
| Sur. N- | hexade | Garie | 50.9 | 34.2-111 | D | 76R | ec 1 | 10/13/2017 2:15:25 PM |
| Sun: Be | nzo(e) | pyrene | 69.9 | 39.3-124 | D | %R | ec 1 | 10/19/2017 2:15:28 PM |
| PA METH | 00 8 | 260B: VOLATILES | | | | | | Analyst: RAA |
| Benzene | | | ND | 0.50 | | ma | L 200 | 10/13/2017 8:40:00 PM |
| Toluene | | | 0.45 | 0.20 | | mai | | 10/13/2017 8:40:00 PM |
| Ethylbenia | nei | | ND- | 0.20 | | mai | | 10/13/2017 8:40:00 PM |
| Methyl tert | -DUTYI (| IONOF (MTBE) | ND | 0.20 | | mg | L 200 | 10/13/2017 5:40:00 PM |
| 1,2,4-Trim | | | ND | 0.20 | | mg | | 10/13/2017 8:40:00 PM |
| 1,3,5-Trim | | | ND | 0.20 | | mg | | 10/13/2017 8:40:00 PM |
| 1.R-Dishlor | | | ND- | 0.20 | | mai | | 10/13/2017 8:40:00 PM |
| Refe | to flo | e QC Summary report and | ample by | un checklisi | for f | lagged | QC data and prese | rvition information |
| malifiers: | | Valite exception Maximum Con | territant I en | 4 | | n . | milvis dement is the w | stociated Method Rlank |
| | D | Sample Diluted Due to Matri | | | | | alue above quantitation | |
| | II. | Holding Unios for preparation | | Inken | | | maivie detected below o | parentingion limits Page 1 of 11 |
| | ND | Net Descred at the Reporting | | | | 10.5 | annie pB No In Ranat | Page 1 of 11 |
| | POL | | | | | | tenoring Descrition Land | |
| | 5 | 76 Recovery outside of range | due to more | IN DIADTA | | | | attane is out of mmit as specified |

| Hall Environmental Analysis | Labora | tory, Inc. | | | | abrical Report Order 1714762 n Reported: 11/6/2017 |
|---|---------------|-------------------|-------|-----------|-------------------|--|
| CLIENT: Souder, Millier and Associates Project: Martinez CS Lab ID: 1710702-001 | Matrix: | AOUEOUS | Col | lection I | | ez BUT 2017 12:04:00 PM 2017 7:05:00 AM |
| Analyses | Result | POL Oual | Un | its | DF | Date Analyzed |
| EPA METHOD 8260B: VOLATILES | | | - | | | Analyst: RAA |
| 1.2-Dibromoethane (EDB) | ND | 0.20 | m | A | 200 | 10/13/2017 8:40:00 PM |
| Maphilinalema | ND | 0.40 | | 14 | 200 | 10/13/2017 /l 40:00 PM |
| L-Reference disapple transmission | ND | 0.80 | | 1L | 209 | 10/13/2017 8:40:00 PM |
| 2-Minuty/opplit/indigen | ND | 0.50 | | n. | 200 | 10/13/2017 8:40:00 PM |
| Acetone | ND | 2.0 | | JA. | 200 | 10/13/2017 8:40:00 PM |
| Bromobenzene | ND | 0.20 | m | | 200 | 10/13/2017 8:40:00 PM |
| Bhowodichiwamathawa | ND | 0.20 | | JAL | 200 | 10/13/2017 8:40:00 PM |
| Bromoform | ND | 0.20 | m | | 200 | 10/13/2017 8:40:00 PM |
| Bromomethane | ND | 0.60 | mg | | 200 | 10/13/2017 8:40:00 PM |
| 2-Bulanone | ND | 2.0 | mi | | 200 | 10/13/2017 8:40:00 PM |
| Carbon discusses | ND | 2.0 | m | | 200 | 10/13/2017 8:40:00 PM |
| Carbon Tetrachloride | ND | 0.20 | m | | 200 | 10/13/2017 8:40:00 PM |
| Chlorobon | ND | 0.20 | me | | 200 | 10/13/2017 #:40.00 PM |
| Chloroeinan | ND | 0.40 | 111 | | 200 | 10/13/2017 8-40.00 PM |
| Chloroform | ND | 0.20 | m | | 200 | 10/13/2017 8:40:00 PM |
| Chloromethane | ND | 0.60 | | 3/L | 200 | 10/13/2017 8:40:00 PM |
| 2-Chlorotoluene | ND | 0.20 | mg | | 200 | 10/13/2017 8:40:00 PM |
| 4-Chiorotoluene | ND | 0.20 | m | | 200 | 10/13/2017 8:40:00 PM |
| cis-1.2-DCE | ND | 0.20 | | | 200 | 10/13/2017 8:40:00 PM |
| | | | mg | | | |
| cis-1,3-Dichloropropene 1,2-Dibromo-3-chloropropane | ND | 0.20 | | p/L | 200 | 10/13/2017 8:40:00 PM |
| Dibromochloromethane | ND | 0.40 | | 3/L | 200 | 10/13/2017 8:40:00 PM |
| | ND | 0.20 | | μL. | 200 | 10/13/2017 8:40:00 PM |
| Ditronomilia | ND | 0.20 | mg | | 200 | 10/13/2017 8:40:00 PM |
| 1,2-Uichlorobenzene | ND | 0.20 | mg | | 200 | 10/13/2017 8:40:00 PM |
| 1,3-Dichlorobenzene | ND | 0.20 | | a/L | 200 | 10/13/2017 8:40:00 PM |
| | ND | 0.20 | | b)F | 200 | 10/13/2017 8:40:00 PM |
| Dichlorodifluorometriane | ND | 0.20 | mş | | 200 | 10/13/2017 8:40:00 PM |
| 1,1-Dichloroethane | ND | 0.20 | mg | | 200 | 10/13/2017 8:40:00 PM |
| 6.1-Dichavenitaria | ND | 0.20 | | J/L_ | 200 | 10/13/2017 8:40:00 PM |
| 1,2-Dichlaropiopa ja | ND | 0.20 | | 2/L- | 200 | 10/13/2017 8:40:00 PM |
| 1,3-Dichioropropane | ND | 0.20 | | 312 | 200 | 10/13/2017 8:40:00 PM |
| 2.2-Oldvi vopropi ** | ND | 0,40 | m | | 200 | 10/13/2017 8:40:00 PM |
| 1.1-Dichloropoene | ND | 0.20 | my | | 200 | 10/13/2017 8:40:00 PM |
| Hexachicrobutucienes | ND | 0.20 | ing | | 500 | 10/13/2017 8:40:00 PM |
| 2-Hexamone | ND | 2.0 | | D/L | 200 | 10/13/2017 8:40:00 PM |
| Isopropylbenzene | ND | 0.20 | | p/L | 200 | 10/13/2017 8:40:00 PM |
| 4-faopropylesame | ND | 0.20 | | м. – | 200 | 10/13/2017 8:40:00 PM |
| 1-Mothyl 2 pentanone | ND | 2.0 | m | | 200 | 10/13/2017 8:40:00 PM |
| Methylene Chloride | ND | 0.60 | mg | g/L | 200 | 10/13/2017 8:40:00 PM |
| Refer to the QC Summary report and | t sample logi | n checklist for I | lagge | d QC its | na and prese | vation information. |
| Onalifiere: • Value excends Maximum Co. | | | | | | arcuital Method Blink |
| D Sample Diluted Date us Matry | | | | | rvic quantitation | |
| H Holding times for preparation | | reded | 1 | Analyte d | ctocted below q | mulitation linnes Page 2 of 11 |
| ND Not Detected at the Reporting | Limit | | P | Sample pl | H Not In Range | |
| POL Practical Quimitative Limit | | | RL | Pandatina | Detection Limi | 1 |

| Hall Environmental Analysis | Laborato | ry, Inc. | | | Lab | lytical Report Order 3710702 Reported 11/6/2011 | | | |
|--|------------|--|---------|-----|------|---|--|--|--|
| CLIENT: Sousier, Moller and Associates Project: Martinez CS. Lab ID: 1710702-001 | Matrix: AC | Client Nample ID: Maninez BGT Collection Date: 10/10/2015 12:04:00 PM Matrix: AOUEOUS Reveived Date: 10/12/2017 5:05:00 AM | | | | | | | |
| Analysas. | Result | PQ1. Qual | Units | | DF | Date Analyzed | | | |
| EPA METHOD 82688: VOLATILES | | 17 | 1. A. | | 3 | Analyst: RAA | | | |
| n-Butylbenzene | NO . | 0.8% | I MIGAL | 1.0 | 1303 | \$9/13/2017 9:40:00 PM | | | |
| n-PropyEuroanne | ND | 0.20 | mg/L. | | 200 | 10/13/2017 8:40:00 PM | | | |
| Hoc-Butytberasers | ND | 19,277 | ingit | | 000 | 10/13/2017 8-40/10 PA | | | |
| Styrann | ND | 0.20 | mp/L | | 200 | 10/13/2017 8:40:00 PM | | | |
| kert-Ekrivikienzene | ND | 0.20 | mail | | .500 | 10/13/2017 9:40:00 PM | | | |
| 1.1.1.2-Tetrachloroethana | ND | 0.00 | mal | | 200 | 10/13/2017 8:AD 00 PM | | | |
| 1.1.2.2-Tritrichloroethanic | ND | 0.40 | mail | | 200 | 10/15/2017 8:40:00 PM | | | |
| Tetracritoroethene (PGE) | ND | 0.20 | mg/L | | 200 | 10/13/2017 8.40:00 PM | | | |
| trans-1.2-DCE | ND | 0.20 | ma/L | | 200 | 10/13/2017 8:40:00 PM | | | |
| trans-1,3-Dichloropropenni | NO | 0.20 | mail | | 200 | 10/18/2017 8:40:00 PM | | | |
| 1.2.3 Trichtmilacrazona | ND | 0.29 | mpl | | 200 | 10/13/2017 8:40:00 PM | | | |
| 1.2.4-Trictilorobiozenia | ND | 0.20 | mail | | 200 | 10/13/2017 8:40:00 PM | | | |
| 1,1,9-Trichlomethere | ND | 0.20 | mult | | 200 | 10/13/2017 8:40:00 PM | | | |
| 1.4.9-T delibermilitare | ND | 0.20 | mp/L | | 200 | 10/13/2017 8:40:00 PM | | | |
| Trichloroethene (TCE) | ND | 0.20 | mpA. | | 200 | 10/13/2017 8:40:00 PM | | | |
| Inchiorofluoromethane | ND | 0.20 | mg/L | | 200 | 10/13/2017 8:40:00 PM | | | |
| 1,2,3-Trichloropropane | ND | 0.40 | mg/L | | 200 | 10/13/2017 8:40:00 PM | | | |
| Vinyi chlaside | ND | 0.30 | mg/L. | | 200 | 10/13/2017 8:40:00 PM | | | |
| Aytenes, Total | ND | 0.00 | mg/L | | 200 | 10/13/2017 5:40:00 PM | | | |
| Surr: 1,2-Dichloroethane-d4 | 94.3 | 70-130 | %Rec | | 200 | 10/13/2017 8:40:00 PM | | | |
| Suir 4-Bromofluorobenzene | 96.3 | 70-130 | NRec | | 200 | 10/13/2017 8:40:00 PM | | | |
| Gura Dissemellupromathania | 102 | 28-190 | R.P.ac | | -200 | 10/13/2017 8-40-00 PM | | | |
| Surt: Toluena-de | 95.9 | 70-130 | %Rec | | 200 | 10/13/2017 8:40:00 PW | | | |

| Refer to the OC St | immary report and sample log | in checklist for flagted | OC data and unservatio | g information |
|--------------------|------------------------------|--------------------------|------------------------|---------------|

TimiGular EPA Method 52898: YOLATILES

SeqNo: 1476098 Units: µg/L

 Bitch 10: R4854
 Runki: A4543

 Analysis Date:
 10173/2017
 Service::
 474008
 Units: uput.

 Renue:
 PO.
 0
 Receives SPK Ref Val
 KARE C.
 LowLine:
 HighLine:
 KRPD
 POLine:
 Out

 NO
 1.0

 NO

B Analyte detected in the passiciated Method Blank

Funble 46343

- Oralliters:
 *
 Value exceeds Maximum Commission Level.
 II.
 Analyte detected is the associated Method Blank

 D
 Sample Chined Dea to Maxim
 E
 Value detected is the associated Method Blank

 H
 Initiating most in propuration or analysis exceeded
 E
 Value detected Hear symmitation orange

 ND
 Net Decendent at the Reporting Limit:
 P
 Sample Of Not In Range
 F01

 Practical Quantitation limits
 P
 Sample Of Not In Range
 F02
 Feedow Decendent to of Finitiation or approximation or approx

QC SUMMARY REPORT

Martinez CS DamaType MBLK

Client;

Project:

Prep Date:

Bampic ID: ro Clant ID: PBW

Prep Date: Analyte Methyl teh Sulf etter (MIBE) 12.4-Trimetybenzene 13.2014 (Stransfybenzene 13.2014 (Stransfybenzene 13.2014 (Stransfybenzene 13.2014 (Stransfybenzene 13.2014 (Stransfybenzene Stransfybenzene Stransfy

2-Chlorotoluene 4-Chlorotoluene da-1,2-OCE da-1,2-OCE 1,2-Ditchoropropene 1,2-Ditchoromethane Disromomethane 1,2-Dichlorobenzene

1.3-Dictiombenzene

1.3-Dichlorobenzene 1.4-Dichlorobenzene Ordinorobiturmetha 1.1-Dichloroethene 1.3-Dichloropropane 1.3-Dichloropropane 1.3-Dichloropropane 1.1-Dichloropropane 1.1-Dichlor

Hall Environmental Analysis Laboratory, Inc.

Souther, Miller and Associance

Billch ID: R46343

Analysis Date: 10/13/2017

Sec. 1710102

Page 6 of 11

Whe New J ?

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WHE

Page 4 of 11

1730703

06-Nov-17

Souder, Miller and Associates Client:

| Sample ID: 100ng loar | Gempty | per LO | 34 | Ten | Cubr 21 | builtink A ^q | BIRGE VOL | ATEES | | | |
|--------------------------------|-------------|---------|-----------|-------------|--------------|-------------------------|-------------|-------|----------|------|--|
| Client ID BatchQC | Batch | D. RA | 6343 | | RumNin 46345 | | | | | | |
| Prep Date: | Analysis Da | ile: 10 | 13/2017 | 5 | leqNo: 1 | 476097 | Units: µg/L | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | 20 | 1.0 | 20.00 | 0 | 102 | 70 | 130 | - | | | |
| l'oluene. | 20 | 1.0 | 20.00 | 0 | 98.1 | 70 | 130 | | | | |
| Ethylbenzene | 20 | 1.0 | 20.00 | 0 | 99.5 | 70 | 130 | | | | |
| Aethyl tert-butyl ether (MTBE) | 40 | 1.0 | 40.00 | 0 | 101 | 70 | 130 | | | | |
| 2,4-Trimethylbenzene | 19 | 1.0 | 20.00 | 0 | 95.5 | 70 | 130 | | | | |
| 3,5-Trimethylbenzene | 19 | 1.0 | 20.00 | 0 | 94,7 | 70 | 130 | | | | |
| ,2-Dichloroethane (EDC) | 20 | 1.0 | 20.00 | 0 | 97.9 | 62.2 | 143 | | | | |
| 2-Dibromoethane (EDB) | 20 | 1.0 | 20.00 | 0 | 98.9 | 70 | 130 | | | | |
| Naphrhallene | 18 | 2.0 | 20.00 | 0 | 89.1 | 70 | 130 | | | | |
| MathyliuphBuildea | 16 | 3.0 | 20.00 | ō . | 80.8 | 80 | 140 | | | | |
| 2-Methylnaphthalene | 14 | 4.0 | 20.00 | 0 | 70.2 | 60 | 140 | | | | |
| Acetone | 35 | 10 | 40.00 | .9. | BER | r 60 | 540 | C 11 | 1 | | |
| Bromobenzene | 20 | 1.0 | 20.00 | .5 | 100.7 | -70 | | 12 1 | 1 | | |
| Bromodichioromethane | 21 | 1.0 | 20.00 | 0 | 103 | 70 | 130 | | | | |
| ironoform | 20 | 1.0 | 20.00 | 0 | 98.0 | 70 | 130 | | | | |
| romomethane | 13 | 3.0 | 20.00 | 0 | 65.5 | 60 | 140 | | | | |
| -Butanone | 42 | 10 | 40.00 | 0 | 104 | 60 | 140 | | | | |
| arbon disulfide | 38 | 10 | 40.00 | 0 | 0.80 | 60 | 140 | | | | |
| Carbon Tetrachikotola | 21 | 1.0 | 20.00 | U | 103 | 70 | 130 | | | | |
| INNERGENTERN | 2/0 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | | |
| Divergenation | 20 | 2.0 | 20.00 | 0 | B8.7 | 00 | 140 | | | | |
| Naclow | 21 | 1.0 | 20.00 | á | 103 | 70 | 130 | | | | |
| NoroneTrane | 21 | 3.6 | 20.00 | ő | 103 | 60 | 140 | | | | |
| -Chlorotoluene | 19 | 1.0 | 20.00 | 0 | 94.5 | 70 | 130 | | | | |
| -Chlorotoluene | 19 | 1.0 | 20.00 | 0 | 95.4 | 70 | 130 | | | | |
| is-1.2-DCE | 21 | 1.0 | 20.00 | 0 | 105 | 70 | 130 | | | | |
| sis-1.3-Dichloropropene | 19 | 1.0 | 20.00 | 0 | 96.9 | 70 | 130 | | | | |
| 2-Obvino-3-diatomore | 19 | 2.0 | 20.00 | 0 | 95.2 | 70 | 130 | | | | |
| Spromodiavometrane | 18 | 1.0 | 20.00 | 0 | 04.4 | 70 | 130 | | | | |
| Senationalitaria | 21 | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | | | |
| 2-Dichiorobenzene | 19 | 1.0 | 20.00 | 0 | 95.2 | 70 | 130 | | | | |
| .3-Dichlorobenzene | 19 | 1.0 | 20.00 | 0 | 96.2 | 70 | 130 | | | | |
| 4-Dichipioberstepe | 10 | 1.0 | 20.00 | 0 | 95.6 | 87.2 | 141 | | | | |
| Xallere Turomethere | 21 | 1.0 | 20.00 | 0 | 106 | 80 | 140 | | | | |
| .1-Dichloroethane | 21 | 1.0 | 20.00 | 0 | 103 | 52.6 | 157 | | | | |
| .1-Dichloroethene | 20 | 1.0 | 20.00 | | 103 | 52.6 | 130 | | | | |
| 1.2-Dichloromane | 20 | 1.0 | 20.00 | 0 | 101 | 63.7 | | | | | |
| 3-Dichloropropine | 20 | 1.0 | 20.00 | | 98-0 | 63.7 | 138 | | | | |
| 2-Oknikkopropine | 21 | 2.0 | 20.00 | 0 | 105 | 70 | 130 | | | | |

- Qualifiers:
 •
 Value exceeds Maximum Contansistant Level.

 D
 Sample Dilated Due to Matrix
 •
 Holding tomo for preparation or analysis exceeded

 M
 Holding tomo for preparation or analysis exceeded
 •
 •
 •

 VD
 Not Denixed in the Reporting Limit
 PQC
 Pacied Oranizative Limit
 •

 S
 56 Recovery outside of range due to alliulion or matrix
 •
 •
 •

Analyse detector in the associated Method Islanc
 Value above quantifation range
 Analyse detected before quantifatione (innit)
 Sample pl Not In Nange
 R. Reporting Detection Limit
 W Sample container temperature is out of Jimit as specified

B Analyte detected in the associated Method Blank
 Value above quantitation range
 Analyte detected below quantitation limits
 Samilyte detected below quantitations limits
 Samile e81 Not in Variant

| | MMARY REPORT ironmental Analysis Laboratory, Inc. | 1120- | 1718782 Bir-Nuv-17 |
|---------------------|--|-----------------------|-----------------------|
| Client. Project: | Souder, Miller and Associates Martinez CS | And the second second | |

| Enropie ID yta | [3amp] | you MI | ILK. | Tess | GUUD E | PA Method | ASEEB: YOU | ATILES | | |
|----------------------------|------------|----------|-----------|-------------|----------|-----------|-------------|--------|---------|------|
| Elited ID: PBW | Batch | UD. BA | 6343 | | UNNE: 4 | 6343 | | | | |
| Prep Date: | Analysis D | Date: 10 | V13/2017 | 5 | SegNo: 1 | 476098 | Units: µg/L | | | |
| Anatyse | Result | POL | SPK value | SPK Ref Val | NREC | LowLinit | HahLimit | NRPD | RPDLimi | Quil |
| Isopropylbenzene | ND | 1.0 | | | | | | | | - |
| 4-Isopropyltoluene | ND | 1.0 | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 10 | | | | | | | | |
| Methylene Chlunide | ND | 3.0 | | | | | | | | |
| n-Butylbenzene | ND | 3.0 | | | | | | | | |
| n-Propyloenzene | ND | 1.0 | | | | | | | | |
| sec-Butyloenzene | ND | 1.0 | | | | | | | | |
| Styrene | ND | 1.0 | | | | | | | | |
| wh-Bullytowizzer | ND | 1.0 | | | | | | | | |
| A.1.2-Teiracitizenilaare | ND. | +0 | | | | | | | | |
| 1,1,2,2-Tetrachiorowhare | ND | 2.0 | | | | | | | | |
| Intractivity (PUE) | NU | 1.4 | | | | | | | | |
| rea-12/00E | ND | 1.0 | | | | | | | | |
| nino-1,3-Oktionustonene | MD | 1.0 | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | | | | | | | | |
| Trichiosoethere (TCE) | ND | 1.0 | | | | | | | | |
| inchiorofluoromethane | ND | 1.0 | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 2.0 | | | | | | | | |
| Vinyl chloride | ND | 1.0 | | | | | | | | |
| Cylemes, Tutal | ND | 1.5 | | | | | | | | |
| Sur: 1,2-Dichloroethane-d4 | 9.5 | | 10.00 | | 95.3 | 70 | 130 | | | |
| Surt 4-BromoRuorobenzene | 9.7 | | 10.00 | | 07.4 | 70 | 120 | | | |
| Sur: Dbromotcolerratione | 10 | | 10.00 | | 102 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.6 | | 10.00 | | 95.9 | 70 | 130 | | | |

| Qual | ifiers: | | | |
|------|---------|----------|-----|----------|
| | Value | we and a | Max | ineres a |

exceeds Maximum Contaminant Level.

Sample Occession is consuming to ensuming the pro- Sample Disted Due to Matrix
 Helding times for preparation or analysis exceeded
 ND Fea Decaysian is the Reporting Lemm
 Point Decay Deamstitive Lines
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

sture is out of limit as specified

Analyse concession in the associated section as Value above quantitation range Analyse description before quantitation (initial Sample quantitation fund) Sample container temperature is out of limit t

Page 7 of 11

 Qualifiers:
 •
 Vetrie encodel Maximum Gentaminan Level,

 □
 Sample Editated Due to Matiox
 •

 □
 Indiang Limits Due to Statiox
 •

 □
 Indiang Limits Due to Statiox
 •

 ND
 Not Deteored at the Representation or emalysis extended
 •

 ND
 Not Deteored at the Representation or emalysis extended
 •

 ND
 Not Deteored at the Representation or emalysis extended
 •

 S
 % Recovery outside of range due to dolution or matrix
 •

Sonalyte detector in the suscented Method Hank
 Value attempt distant
 Analyte detected below quantitation limits
 Sample pit i voi in Range
 RL Reporting Detection Limit
 Sample container temperature is out of limit as specified

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Web 1718742

No Nural 7

Souder, Miller and Associates Client:

| Gemple ID Kar34414 | Samp? | YAN LC | 8 | Ten | Gode E | A MILINDU | 62706: PAHs | | | |
|---|--|--|---|---|--|--|--|--|--|-------|
| Ciwel ID: LCSW | Balc | 10. 34 | 414 | RenNo allega | | | | | | |
| Prep Date: 10/16/2017 | Analysis D | late: 10 | 19/2017 | s | legNo: 1 | 480925 | Units: µg/L | | | |
| Analyte | Result | PQL | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Next Baleni | 18 | 0.50 | 20.00 | D IIII | 92.9 | 28.6 | 113 | 2010 0 | Tu benni | Secon |
| -Mathykaphtrakenia | 10 | 0.50 | 20.00 | 0 | 79.4 | 27 | 113 | | | |
| 2-Methylnaphthalene | 18 | 0.50 | 20.00 | 0 | 92.1 | 26.3 | 112 | | | |
| Acenaphthylene | 20 | 0.50 | 20.00 | 0 | 97.5 | 36.2 | 114 | | | |
| Acenaphthene | 19 | 0.50 | 20.00 | 0 | 97.1 | 35.6 | 116 | | | |
| Ruorene | 20 | 0.50 | 20.00 | 0 | 101 | 38.4 | 116 | | | |
| Phononthrone | 18 | 0.50 | 20.00 | 0 | 32.3 | 42.3 | 110 | | | |
| Anthracene | 18 | 0.50 | 20.00 | 0 | 91.2 | 42.2 | 117 | | | |
| Fluorandhime | 19 | 0.50 | 20.00 | 10 | D4.0 | 42.6 | 118 | | | |
| Puterie | 10 | 0.50 | 20.00 | 0 | 05.6 | 40.8 | 121 | | | |
| Benzla]anithracene | 20 | 0.50 | 20.00 | 0 | 99.4 | 43 | 118 | | | |
| Chrysene | 19 | 0.50 | 20.00 | 0 | 94.4 | 39.4 | 119 | | | |
| Benzo(b)/fluoranthene | 19 | 0.50 | 20.00 | 0 | 95.0 | 47.8 | 115 | | | |
| Benzo(k)fluoranthene | 20 | 0.50 | 20.00 | 0 | 99.0 | 40.5 | 120 | | | |
| Benzo(a)pyrene | 19 | 0.50 | 20.00 | 0 | 93.1 | 41.5 | 115 | | | |
| Dibenz(a,h)anthracene | 19 | 0.50 | 20.00 | 0 | 93.7 | 48.6 | 115 | | | |
| Benzo(g.h.i)perylene | 19 | 0.50 | 20.00 | 0 | 95.7 | 40.0 | 119 | | | |
| indenn(1.2,3-od)pyrana | 10 | 0.50 | 20.00 | 0 | 94.8 | 42.0 | 118 | | | |
| Sur: N-hexadecane | 78 | 0.00 | 87.60 | | 89.0 | 34.2 | 111 | | | |
| Sur: Benzole gyrene | 17 | | 20.00 | | 84.6 | 39.3 | 124 | | | |
| and the second sec | | _ | 20.00 | | 01.0 | 00.0 | 12.4 | | | |
| Sample ID Idad-34414 | | YDE: LC | | Tent | Code: El | PA Method | 8270C: PAHs | | | |
| Climit ID: LC8502 | 2 Rankin ID 34418 Fountio 46486 | | | | | | | | | |
| Prep Date 10/15/2017 | Anniyan 2 | lain - 44 | 110/2017 | | aquin 4 | 480926 | Usia ppk | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nettaiov. | -19 | 0.56 | 20.00 | 0 | 105.# | 28.6 | 113 | 2,66 | 40.7 | |
| i-Methylnauhtralene | 17 | 0.50 | 20.00 | σ | 83.3 | 27 | 113 | 4,79 | 38.4 | |
| | | | | | | | 112 | 6.72 | 25.5 | |
| | 20 | 0.50 | 20.00 | 0 | 98.5 | 26.3 | | | | |
| 2-Methylnaphthalene | 20 19 | 0.50 | 20.00 | 0 | 98.5 93.1 | 26.3 36.2 | 112 | 4.62 | 34.1 | |
| 2-Melhylnaphthalene Acenaphthylene | | | | | | | | | 34.1 32.1 | |
| 2-Methylraphthalene Aceraphthylene Aceraphthene | 19 | 0.50 | 20.00 | 0 | 93.1 | 36.2 | 114 | 4.62 | | |
| 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene | 19 19 | 0.50 | 20.00 20.00 | 0 | 93.1 97.0 | 36.2 35.6 | 114 116 | 4.62 0.103 | 32.1 | |
| 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene | 19 19 20 | 0.50 0.50 0.50 | 20.00 20.00 20.00 | 0 0 | 93.1 97.0 101 | 36.2 35.6 38.4 | 114 116 116 | 4.62 0.103 0.297 | 32.1 28 | |
| 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanihitene Anthracene | 19 19 20 20 | 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 | 0 0 0 | 93.1 97.0 101 102 | 36.2 35.6 38.4 42.3 | 114 116 116 118 | 4.62 0.103 0.297 9.59 | 32.1 28 37.4 | |
| 2-Methylnaphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Andhracene Fluoranthone | 19 19 20 20 20 | 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 | 0 0 0 | 93.1 97.0 101 102 101 | 36.2 35.6 38.4 42.3 42.2 | 114 116 116 118 117 | 4.62 0.103 0.297 9.59 10.0 | 32.1 28 37.4 36.2 | |
| 2-Methytraphthalene Acenaphthylene Acenaphthene Fluorene Phenanthrene Andhracene Fluorasthene Pyrone | 19 19 20 20 20 21 | 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 0 0 0 | 93.1 97.0 101 102 101 104 | 36.2 35.6 38.4 42.3 42.2 42.5 | 114 116 116 118 117 118 | 4.62 0.103 0.297 9.59 10.0 9.72 | 32.1 28 37.4 36.2 26.6 | |
| 2-Methykraphthalene Acanaphthene Acanaphthene Florenni Phenanthene Anthracene Florennthene Pyrone Benzalanthracene Chrysene | 19 19 20 20 20 21 20 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 | 93.1 97.0 101 102 101 104 101 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 | 114 116 116 118 117 118 121 | 4.62 0.103 0.297 9.59 10.0 9.72 5.39 | 32.1 28 37.4 36.2 26.6 26.8 | |
| 2-Methykraphthalene Aconaphthylene Aconaphthene Ploonene Ploonene Ploonene Ploonene Ploonene Ploonene Benz(a)anthracone Chylaene | 19 19 20 20 21 20 21 20 22 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 000000000000000000000000000000000000000 | 93.1 97.0 101 102 101 104 101 108 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 43 | 114 116 116 118 117 118 121 118 | 4.62 0.103 0.297 9.59 10.0 9.72 5.39 8.66 | 32.1 28 37.4 36.2 26.6 26.8 25.1 | |
| 2-Methykraphthalane Acenaphthylene Acenaphthene Fhorene Phenanthrene Plavrathene Pyrone Benzfajanthracene | 19 19 20 20 21 20 22 22 21 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | | 93.1 97.0 101 102 101 104 101 108 103 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 43 39.4 | 114 116 116 118 117 118 121 118 119 | 4.62 0.103 0.297 9.59 10.0 9.72 5.39 8.66 9.10 | 32.1 28 37.4 36.2 26.6 26.8 25.1 23.3 | |
| 2.Methytrachthulane Acarachthree Floorene Phonante Phonane Alaroanthone Phonan Phonan Benzjajanthracune Chrysene Benzjajanthracune | 19 19 20 20 21 20 22 22 21 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | | 93.1 97.0 101 102 101 104 101 108 103 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 43 39.4 | 114 116 116 118 117 118 121 118 119 | 4.62 0.103 0.297 9.59 10.0 9.72 5.39 8.66 9.10 | 32.1 28 37.4 36.2 26.6 26.8 25.1 23.3 | |
| 2.Methytrachthulane Acarachthree Floorene Phonante Phonane Alaroanthone Phonan Phonan Benzjajanthracune Chrysene Benzjajanthracune | 19 19 20 20 21 20 22 21 20 22 21 20 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 000000000000000000000000000000000000000 | 93.1 97.0 101 102 101 104 101 108 103 100 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 43 39.4 47.8 | 114 116 116 118 117 118 121 118 119 | 4.82 0.103 0.297 9.59 10.0 9.72 5.39 8.86 9.10 5.33 | 32.1 28 37.4 36.2 26.6 26.8 25.1 23.3 | |
| 2 Matrity Applications Aconsphilty level Aconsphilty level Parante Parante Parante Parante Benzil Janne Benzil Janne Benze | 19 19 20 20 21 20 22 21 20 22 21 20 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 93.1 97.0 101 102 101 104 101 108 103 100 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 43 39.4 47.8 | 114 116 116 118 117 118 121 118 121 118 119 115 | 4.82 0.103 0.297 9.59 10.0 9.72 5.39 8.86 9.10 5.33 | 32.1 28 37.4 36.2 26.6 26.8 25.1 23.3 | |
| 2.Methylnachthulane Acanaphthane Acanaphthane Pizorane Pizorane Pizoranthane Pizoranthane Benzolytheonithene Benzolytheonithene Qualifiers: * Value internili, Massim | 19 19 20 20 21 20 22 21 20 22 21 20 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | B Analyse E Value at | 93.1 97.0 101 102 101 104 101 104 103 103 100 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 43 39.4 47.6 | 114 116 116 118 121 118 121 118 119 115 | 4.82 0.103 0.297 9.59 10.0 9.72 5.39 8.86 9.10 5.33 | 32.1 28 37.4 36.2 26.6 26.8 25.1 23.3 22.5 | èn |
| 2.Matriyfraydons Aconaphthylons Aconaphthylons Placome Placome Norman Placome Benardylong Planos Benardylong Planos Benardylong Planos Benardylong Planos Benardylong Benardylong Planos Benardylong Planos Planos Planos Planos Benardylong Planos Benardylong Be | 19 19 20 20 20 21 20 22 21 20 22 21 20 22 21 20 22 21 20 22 21 20 22 21 20 22 21 20 22 21 20 20 20 20 20 20 20 20 20 20 20 20 20 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | B Analyse E Valoc al J Acatyre | 93.1 97.0 101 102 101 104 101 104 103 103 100 | 36.2 35.6 38.4 42.3 42.2 42.5 40.8 43 39.4 47.6 | 114 116 116 118 121 118 121 118 119 115 | 4.82 0.103 0.297 9.59 10.0 9.72 5.39 8.86 9.10 5.33 | 32.1 28 37.4 36.2 26.6 26.8 25.1 23.3 | ě11 |
| 2Meirjingschhulses Acaraphhyses Placens Natrashhure Placens Natrases Placens Prens Benzjainhuren Chysen Benzjainhuren Chysen Benzjainhuren Heisens Matthewise Sammic Dhuad Naue i Matthewise Sammic Dhuad Naue i Matthewise | 19 19 20 20 21 20 22 21 20 22 21 20 mm Communent) Marrix antables or inallysis | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 20.00 | B: Analyse P Sample RL Rest | 93.1 97.0 101 102 101 104 103 103 100 detected a anyc quart detected a per Not in per Detection | 36.2 35.6 38.4 42.3 42.5 40.8 43 39.4 47.6 *Ue association interes response elow quantit Kange an Limit | 114 116 116 118 121 118 121 118 119 115 | 4.62 0.103 0.297 9.59 10.0 9.72 5.39 8.66 9.10 5.33 | 32.1 28 37.4 36.2 26.6 26.8 25.1 23.3 22.5 | en |

Client;

Project:

Ansiyas

Sample ID LCS-34996

QC SUMMARY REPORT

Martinez CS Zimmer-ID MB-54596 SempType MBLK Client ID: PBW Batch ID: 34596

Prep Date: 10/24/2017 Analysis Date: 10/25/2017

 Sample ID
 LCS-34896
 SampType:: LCS

 Crimit ID
 LCSV
 Butch ID
 Meture

 Prep Date:
 10/24/2017
 Analysis Date:
 10/25/2017

Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates

Batch ID. 34500

- Page 8 of 11

TestCode: EPA Mathuri 1478. Ministury

SeqNo: 1484756 Units: mg/L

TaniCode EPA Maibod 7478 Marcany Runhur Albeita SanNo 1484759 Uma mg/L

 Result
 PDL
 SPIC Value
 SPIC Ref Val
 %REC
 LowLimit
 HighLimit
 %RPD
 RPDLimit
 Duai

 0.0046
 0.00020
 0.005000
 0
 92.9
 80
 120

RunNo. 46018

Analyte Result PQL SPK value SPK Ret Val %REC LowLimit HighLimit %RPD RPDLimit Qual Mercay ND 0.00020 _____

Work

1710702

#6.Nov-17

QC SUMMARY REPORT

Client:

Hall Environmental Analysis Laboratory, Inc.

-Wer-1710702 10-Nov-11

Souder, Miller and Associates

| Sample ID land 34414 | Sempl | Type: Lt | Det D | Test | Cute E | PA Minhou | SZTOC PAH | r | | |
|------------------------|------------|----------|-----------|--------------|-----------|-----------|-------------|-------|----------|------|
| Client ID LCSB82 | Bato | 6 ID 34 | 414 | 5 | tuntio: 4 | 54HG. | | | | |
| Prep Date: 10/16/2017 | Analysis (| Date: 1 | 0/19/2017 | 5 | SeqNo: 1 | 480926 | Units: µg/L | | | |
| Analyle | Result | POL | SPK value | SPIC Rul Val | AREC | LowLint | HighLints | S.RPD | RPDUmit | Qual |
| Bentokjiluorentene | 21 | 0.50 | 20.00 | 0 | 105 | 40.5 | 120 | 5.50 | 30.0 | - |
| limanúlógynene | 20 | 0.50 | 20.00 | 0 | 101 | 41.5 | 115 | 7.94 | 21.2 | |
| Diberiz(a.h)amtraceme | 29 | 0,50 | 20.00 | 0 | 99.2 | 48.6 | 115 | 5,70 | 26.5 | |
| Benzo(g.h./iperylene | 20 | 0.50 | 20.00 | σ | 102 | 42 | 119 | 6.76 | 30.7 | |
| indeno(1,2,3-od)pyrene | 20 | 0.50 | 20.00 | 0 | 98.3 | 42.9 | 118 | 3.63 | 25.4 | |
| Surr: N-hexadecane | 75 | | 87.60 | | 85.7 | 34.2 | 111 | 0 | 0 | |
| Surr: Banzo(+loynene | 17 | - | 20.00 | 2.00 | 85.0 | 39.3 | 124 | 0 | 9 | |
| Semple ID m6-34414 | Samp | Type: M | BLK | Tes | Cule E | PÁ Method | 8279G- PAHs | - | | |
| Cilent ID POW | Hald | h IDI 34 | 414 | | lanke a | A484 | | | | |
| Prep Date: 10/16/2017 | Analysis (| Date: 1 | 0/19/2017 | 5 | SeqNo: 1 | 480927 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Naphthalene | ND | 0.50 | | | | | | | | |
| 1-Methylnaphthalene | ND | 0.50 | | | | | | | | |
| 2-Methylnaphthalene | ND | 0.50 | | | | | | | | |
| Aconaphthylene | ND | 0.50 | | | | | | | | |
| Acenaphthene | ND | 0.50 | | | | | | | | |
| Fluorene | ND | 0.50 | | | | | | | | |
| Phonanthrene | ND | 0.50 | | | | | | | | |
| Anthracene | ND | 0.50 | | | | | | | | |
| Fluoranthene | ND | 0.50 | | | | | | | | |
| Pyrene | ND | 0.50 | | | | | | | | |
| Benz(a)anthracene | ND | 0.50 | | | | | | | | |
| Chrysene | ND | 0.50 | | | | | | | | |
| Benzo(b)fluoranthene | ND | 0.50 | | | | | | | | |
| Benzo(k)fluoranthene | ND | 0.50 | | | | | | | | |
| Benzo(#)pyrene | ND | 0.50 | | | | | | | | |
| Dibenz(a,h)anthracene | ND | 0.50 | | | | | | | | |
| Benzo(p.h.i)perviene | ND | 0.50 | | | | | | | | |
| permol@hr/iber/vene | ND | 0.50 | | | | | | | | |
| indeno(1,2,3-ot)pyrene | | | | | | Term. | | | | |
| | 78 | | 87.60 | | 18.6 | 34.2 | 111 | | | |

- Qualifiers:
 •
 Value retrook Maximum Constraints Licet.

 D
 Sames Dilated Due to Manré

 III
 Holding toms für programmer anticjen resented.

 DF
 Nei Stockard et die Ropenog Last.

 POL
 Presteid Quanitative Limit.

 S
 % Recovery conside of mage due to dobation or matrix.
- Π
 Analyte detected in the associated Matheal Blank.

 Ε
 Value scheme quantification respir.

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 Analyte detection Makear quantities formus:

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 Sample PI INN: In Karge

 EL
 Reporting Detections Limit (

 W
 Sample container temperature is out of limit as specified

Page 9 of 11

| Barum ND 0.000 Caminan ND 0.0000 Downkan ND 0.0000 Steinium ND 0.0000 Steinium Analyte Result PDL Steinium NRPC Lonkium MSRPD RPDLimit Qual Baruim 0.50 0.0000 0.993 800 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 <th>Hall En</th> <th>vironmen</th> <th>tal Ana</th> <th>lysis I</th> <th>aborat</th> <th>ory, Inc.</th> <th></th> <th></th> <th></th> <th></th> <th>4943#1</th> <th>16-Nav-17</th> | Hall En | vironmen | tal Ana | lysis I | aborat | ory, Inc. | | | | | 4943#1 | 16-Nav-17 |
|--|--------------|------------|----------|-----------|-------------|-------------|----------|-----------|---------------|------------|-----------|-----------|
| Clear ID: PBW Balch ID: S4449 RunNo: 44937 Prep Dalini 18472/017 Analyse Dis 8/2917 SiegNo: 1478313 Unite: mgit Analyse Paseuli P00 OUZ SiegNo: 1478313 Unite: mgit Qual Analyse NO 0.020 SiegNo: 1478313 Unite: mgit Qual Analyse NO 0.020 SiegNo: 1478313 Unite: mgit Qual Analyse NO 0.020 SiegNo: Sie | | | | 1 Аззоси | ates | | | | | | | |
| Prep Date 19/17/2017 Anstynes Date 19/18/2017 Step/tor 14/21313 Unital: mig/L Arthyfre Result POLC SPK value SPK real Val Note MighLimit %RPD RPULimit Qual Arthyfre ND 0.0020 Sinter ND Qual Striam ND 0.0020 Sinter ND Qual Striam ND 0.0020 Sinter ND Qual Striam ND 0.0020 Sinter inter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter Sinter < | Sample ID | VB-34440 | Samp | Type: Mi | BLK | Tes | Code: E | PA 60100; | Total Recover | able Meta | sla | _ |
| Analyle Result PQL SPK value SPK Ref Val SARE C LoweLine HighLine SURPD RPDLinet Dual Analyle ND 0.020 SARE C LoweLinet HighLinet SURPD RPDLinet Dual Stamm ND 0.020 SURPD RPDLinet Dual Certified ND 0.020 | Client ID: I | BW | Bab | ch ID: 34 | 449 | F | tunNo: 4 | 6437 | | | | |
| Analyte Result POL SPK value SPK ref Val NEPC LowLimit HighLimit SRPD RPDLimit Qual NNIM 0.020 <td>Prep Date</td> <td>10/17/2017</td> <td>Analyses</td> <td>Date: 1</td> <td>0/18/2017</td> <td>-</td> <td>ingNo:</td> <td>479313</td> <td>Unite mal</td> <td></td> <td></td> <td></td> | Prep Date | 10/17/2017 | Analyses | Date: 1 | 0/18/2017 | - | ingNo: | 479313 | Unite mal | | | |
| Anamic NU U.GU Balam ND 0.0020 Carrivan ND 0.0020 Carrivan ND 0.0020 Carrivan ND 0.0020 Stamm ND 0.0020 Stamm ND 0.0050 Stamme 104772017 Analysis Date: 101182017 SeqNo: 1479314 Units: mg/L Analysis Rescription Date: 101182017 SeqNo: 1479314 Units: mg/L Qual Internet 0.032 0.5000 0 100 120 Date: 101120 Date: 10112 Bo 120 Carbinam 0.51 0.0000 0.5000 0 101 Bo 120 Carbinam 0.52 0.0000 0.5000 | Anabte | | Decult | DOI | CDV unkun | | | | | # P00 | DOOI imit | Ound |
| Carrison ND 0.0000 Dissistant ND 0.0000 Stand DempTyper LC3 TrainEcolo: EX-9010B: Turial Resourcementate Metails. Climel ID LC304 Batch/ID: Stands Res/Test Res. Analyte Result // ID: SPR Ref Vall SR/REC LocAtm HighLimit SR/RD Analyte Result // ID: SR/REC LocAtm HighLimit SR/RD Result // ID: Carrison 0.000 0.5000 0 102 EX LocAtm HighLimit SR/RD Result // ID: Carrison 0.000 0.5000 0 101 B0 120 EX EX Carrison 0.500 0.0000 0 101 | Arsenic | | | | OF IN VALUE | JPK IVELVAL | WREG | COWDITIL | rigitoria | Jane D | REDLINIL | Quai |
| Onumber ND 0.0000 Land ND 0.0050 Service Service Nr. 448175 Units: mg/L Cherk HD: LCSW Batch HD: 564/04 479314 Units: mg/L Analysis Testification 564/04 NEEC LowLine Hsp/Line 566/04 Analysis 0.002 0.0000 0 102 80 120 120 Canalar 0.000 0.0000 0 104 80 120 120 120 Canalar 0.000 0.0000 0 104 80 120 120 120 Canalar 0.000 0.0000 0 104 80 12 | Barium | | ND | 0.020 | | | | | | | | |
| Land ND 0.0050 Shar Dempi Tjac LCF TwellCubit EPA 6019B. Tubit Mealstree Dimel ID: LDSW Batchilt: SMAR Rimino: 44957 Prop Date: 10172017 Analysis Date: 10182171 Service 148 NEEC Lowin: 1020 Analyte Result POL SFK value SFK efVal NEEC Lowin: 1020 Poll Result Qual Analyte Result OLZ SS000 0 1627 80 120 90 120 Gathard 0.020 0.0000 0 93.8 80 120 90 120 Bannin 0.0000 0.0000 | Cadmium | | ND | 0.0020 | | | | | | | | |
| Samuel ND 0.056 Star Star Star Star Star ND 0.056 Star Disrd LCSW Batch 10: 36448 Tum070x 46457 Units: mg/L Analyte Resk POL Str.Vanis Str.Vanis Add 17314 Units: mg/L Add 17314 Amark Resk POL Str.Vanis Str.Vanis Add 17314 Units: mg/L Add 17314 Mark Batch 10: 3600 0 667 56 130 Caula Mark 0.50 0.006 0.5000 0 101 86 120 120 Contribut 0.502 0.0060 0.5000 0 104 80 120 120 Samplif ID LLLCB-34449 Simplif 70: LCSL Teaching at 457 100 100 100 | Chromium | | ND | 0.0000 | | | | | | | | |
| Star ND 0.0050 Strongh D LGD-544449 Dempit Type: LCP TwetiClob: EPA 4917BR. Yuria Resurgerunde Meriais. Dimet RD: LCDW Balatit HD: 34448 Rumino: 44437 Prop Date: 101772017 Analysis Date: 10182217 Service 14437 Analyte Result PDL SPK value SPK ref Val NREC LowLin: 1987 Analyte Result PDL SPK value SPK ref Val NREC LowLin: 1987 Qual Analyte Result PDL SPK value SPK ref Val NREC LowLin: 1987 Qual Analyte Result 0.020 0.5000 0 1627 80 120 Dimet Di LowD 0.000 0 101 80 120 Dimet Di LotA 0.000 0 102 LotA 120 Dimet Di LotA 120 Dimet Di 120 Dimet Di <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | | | | | |
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| Diller III: LCSW Batch III: 34448 Ruinto: 4437 Prip Date: 101172017 Analysis Date: 101182017 See/No: 473314 Units:::mg/L Analysis Rest. POL SPK states SPK ruines SPK ruine | Silver | | ND | 0.0050 | | | | | | | | |
| Prep Date: 10/17/2017 Anstynk Date: 10/16/12017 SeqNo: 14/79314 Units: mg/L Arabje Result POLD SPK value SPK ref Val NREC LowLimit HighLimit %RPD RPDLimit Qual Martine 0.53 0.000 0.5000 0 102 80 120 Samuri 0.51 0.0000 0.5000 0 102 80 120 Colmium 0.50 0.0000 0.5000 0 101 80 120 120 Commun 0.50 0.0000 0.5000 0 102 80 120 120 Commun 0.50 0.0000 0.5000 0 108 80 120 120 Semisim 0.52 0.0500 0.5000 0 108 80 120 120 Semisim 0.511 0.0560 0 106 80 120 120 120 Wheth ImmuTryee | Sigmple ID 8 | 05-54449 | Semp | Type: LC | .9 | Tan | Cube E | PA 10198 | rotal Resover | alde Maria | da. | |
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| Sheer 0,11 0.0060 0,1000 0 100 0.0 100 100 100 Sample ID LLIC3-34448 Rem/Tywe LCBUL TestCode (PAA 69/30: Testal Recoverrable Menia) TestCode (PAA 69/30: Testal Recoverrable Menia) Dent ID: Batch/DC Balch/DC Balch/DC Balch/DC TestCode (PAA 69/30: Testal Recoverrable Menia) Prop Date: 104172/01 Analysis Envide: abstract/DC TestCode (PAA 69/30: Testal Recoverrable Menia) Analysis 104172/02 Analysis Envide: abstract/DC No Analysis Result POL SPK value SPK Ref Val SREC Low/Linit MRPD RPDLinit: Qual Momini: MOD 0.0000 0.0000 0.0110 60 150 Commini: Qual Qual 0.0000 0.0000 0.0110 60 150 Commini: Qual Qual 0.0000 0.0000 0.0110 60 150 Commini: Qual Qual 0.0000 0.00000 0.110 | | | | | | | | | | | | |
| Stemplet ID LLLCB-34449 SimmUTyper LCBLL TextElCode EPA 691490:: Testal Recoverable Metals Dimit ID Baldek/DC Baldek/DC Baldek/DC Baldek/DC Baldek/DC Baldek/DC Prep Date: 10/17/2017 Analysis Date: 10/18/2017 Sec/No: 1479315 Units: mg/L Analysis Result POLL SPK value SPK Ref Val SPK Ref Val <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | | | | | |
| Dimetri Di Batchi Di XALAGI Denution Analysis Data Dimetri Di KALAGI Denution Analysis Data Dimetri Di KALAGI Denution Analysis Dimetri Di KALAGI Denution Analysis Dimetri Di KALAGI Denution Analysis Dimetri Di Markin Second 1479315 Units: mg/L Analysis Result POLL SPK value SPK Ref Val | Sher | | 0,11 | 9.0066 | 0.1000 | 0 | 106 | 80 | 120 | | | |
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| Ansiyte Result POL SPK value | Dient (D: 6 | latch-00 | Bai | shith 14 | 440 | 5 | ender a | 6612 | | | | |
| Atomic ND 0.0250 0.02000 0 91.4 50 150 Banum NDD 0.0250 0.02000 0 83.9 40. 140.0 Commun 0.0022 0.00200 0 110 50 150 Chromium 0.0028 0.00000 0 110 50 150 Lawid ND 0.0050 0.00500 0 50.8 50 150 Banume 0.054 0.00500 0 50.8 50 150 | Prep Date: | 10/17/2017 | Analysis | Date: 1 | 0/18/2017 | 5 | ieqNo: 1 | 479315 | Units: mg/L | | | |
| Baruin ND 0.000 b00000 0 150 550 150 Casmium 0.0022 0.00200 0 110 50 150 Commun 0.0069 0.00600 0 116 50 150 Commun 0.0069 0.00600 0 150 150 Level ND 0.056 0.00500 0 50.8 50 150 | | | | | | | %REC | | HighLimit | %RPD | RPDLimit | Qual |
| Clashium 0.0022 0.00200 0.00200 0 110 50 150 Chromium 0.0069 0.00600 0 118 50 150 Lasid NID 0.0560 0.00500 0 50.8 50 150 Lasid NID 0.0564 0.05000 0 108 50 150 | | | | | | | | | | | | |
| Dimension 0.0069 0.00690 0.00600 0 116 50 150 cevid ND 0.0590 0.05000 0 50.8 50 150 cevid 0.054 0.05000 0 168 50 150 | | | | | | | | | | | | |
| Lead ND 0.0050 0.005000 0 50.8 50 150 0.054 0.050 0.05000 0 108 50 150 | | | | | | | | | | | | |
| 0.054 0.050 0.05000 0 106 50 150 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| anner 0.0053 0.0050 0.005000 0 107 50 150 | | | | | | | | | | | | |
| | aavar | | 0.0055 | 0.0050 | 0.005000 | U | 107 | 50 | 150 | | | |

Qualifiers: • Value circuits Maximum Continuous Lavel. 0 Sample Obiand Date to Mairix 11 Initialing times for preparation or avalysis exceeded ND Not Denvice at the Koporting Limits POC Practical Quantitative Limit POC R Analyte denormal in the associated Medica Raise: L Value before constitution runne Analyte denormal denormalitation lemma Sample perfixed before granulation lemma R. Reporting Detection Limit W Sample container temperature is out of limit as specified

Page 10 of 11

 Qualifier:
 •
 Value receeds Maximum Contamunant Level.

 D
 Sample Diluted Due to Matrix
 Il
 Ilding ums for preparation or analysis essended

 ND
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Analyse areceles in the associated method isaank
 Value above equantitation range
 Analyse detected before quantitation limits
 Sample pf1 Nov. In Sange
 R. Reporting Detection Limit
 W Sample container temperature is out of limit as specified

B Analyte detected in the associated Method Blank



Page 11 of 11

| ANALYS | SIS ATORY | Hall Environmenia Mi 1912. 545-545-5775 Wabile www.h | FUAL 505-34 | 1 4 47707 Sam | iple Log-In C | heck List |
|----------------------|---|---|-------------|---------------|----------------|-------------------|
| Client Name: 3 | SMA-FARM | Work Order Number | 1710702 | 1.1 | Ricothio | 1 |
| Received By | Anna Thoma | 10/12/2017 7:05:00 A | u · | an A- | - | |
| Completed By: | Anne Frierre | 10/12/2017 12:41:56 6 | M | an A. | | |
| Reviewed By: | DDS | 10/12/17 | | con A- | - | |
| Chain of Custo | odv | | | | | |
| 1. Cusindy meals | intest on semple bottlet | P | in I | No 🗔 | No Prima | |
| 2 Is Chain of Cu | stody complete? | | Van 52 | No 🗂 | Mar Presoni | |
| 3. How was the s | ample delivered? | | Courier | | | |
| LogIn | | | | | | |
| 4. Was an attem | pt made to cool the sam | ples? | res 🔽 | NO 🗆 | NA 🗔 | |
| 5. Were all samp | res received at a lampe | nature of >0" C to 6.0"C | Yes M | No 🗔 | NA 🗆 | |
| 5. Sample(s) in p | soper container(s)? | | Ves 🗹 | No 🗔 | | |
| 7. Sufficient same | ple volume for indicated | test(s)? | Yes M | No 🗆 | | |
| B, And samples (a | WORDE VOA and ONG) p | roperly preserved? | 10-50 | Ka Na Sa | | |
| D. Was preserved | ive added to bothlos? | | Yes X | A not | NA | |
| 10 VOA vials have | zero headspace? | | Yes M | No 🗌 | No VOA Viels | |
| 11. Were any sam | ple containers received | broken7 | Yes 🗐 | Na R | # of preserved | |
| | k maich bothe woele? noise on chein of custod | 97 | Yes M | M0 🗆 | turpH: | r>12 unless noted |
| | meetly identified on City | | me M | No I | Advision | RS |
| | analyses were requests | | Yes M | No 🗆 | | N- |
| | g times able to be mel? stomer for authorization |) | Ven 10 | No 🗔 | Checked by | Ke |
| Special Handlin | g (if applicable) | | | | | |
| 16. Was client notif | fied of all discrepancies | with this order? | Yes 🗆 | No 🗆 | NA 🗹 | |
| Person N | lotified: | Date | | | | 1 |
| By Whom | | Vier | di KaMa | Phone Plax | In Person | - C |

| | nt Instructions | | | | | | |
|---------------|-----------------|--------------|--------------|-----------------|----------|-----------|--------------|
| 7. Ashillonal | comente Fa | netals | analyse, | THE HAD | , was a | Ide to - | one. Equiple |
| a materia | dimension in | wee l | 211 24 | hes fin | in to my | Miss | 1555 0 |
| Cooker | No Temp 4 | C Condilio | i Swillite | 1 Seel No | Smithin | Second By | Interior |
| H | 1.0 | Good | Yes | a l'accentra l' | | | indiadi 2. C |

| HALL ENVIRONMENTAL ANALYSIS | Hall furthermannal analysis Laboratory 990 Harvison RE (Bayerooper WH 1000- 7222, 2015 is 3: 047 3; 424 5; 435 4; 447 726 and 75 7; 424 5; 425 4; 435 4; 447 | Hall Environmental Ana | lysis Laborat |
|--|--|---|----------------|
| LABORATORY | A DESIGN AND A DESIGN | CLJENT: Sonder, Miller and Assoc Project: Caprock BGT | antes |
| May 16, 2017 | | Lub ID: 1704C71-001 | Matrix: A |
| Ashley Maxwell | | Analyses | Result |
| Souder, Miller and Associates 401 W. Broadway Farmington, NM 87401 | | EPA METHOD 7470; MERCURY Marcary EPA 60108; TOTAL RECOVERABL | 4n |
| TEL: (505) 325-5667 FAX (505) 327-1496 | | Arsenic Ranum Dadmium | N0 80 ND |
| RE: Caprock BGT | OrderNo.: 1704C71 | Chromium Leiad Selenium ditrer | ND ND ND |
| Dear Ashley Maxwell: | | EPA METHOD 8270C: PAHS | ND |
| Hull Environmential Analysis Laboratory reserved analyses presented in the following report. These weres analyzed according to EPA proceedures tests pleuse go to <u>www.hullenvironmental.com</u> or properly interpret your results, it is imperative that See the sample checklist and/or the Chain of Casta ample receipt temperature and precervation. Data provided if the sample analysis or analytical qualit When necessary, data qualifiers are provided on bo QC summary report, both sections should be revie received, unless otherwise indicated. Lab measure parameters that require analysis within 15 monutes chlorine are qualified as being analyzed outside of | or equivalent. To access our accredited he state specific web sites. In order to you review this report in its entirety, dy for information regarding the spallfices or a narrative will be control parameters require a flag, dth the sample analysis report and the wed. All samples are reported, as ment of analytes considered field of sampling such as pit and residual | Neghthagain 1-Meitry Vaghthalama 2-Meitry Vaghthalama Aomard Visiens Aomard Visiens Aomard Visiens Piloran Piloran Piloran Piloran Banci () Piloran Banci () Piloran | |
| Please don't hesitate to contact HEAL for any addi | ional information or clarifications. | Indeno(1,2,1-cd)pyreme form, t+ hoxiadecarea | ND 09.7 |
| ADHS Cen #AZ0682 - NMED-DWB Cen #NM | 9425 - NMED-Micro Cert #NM0190 | EPA METHOD 82608: VOLATILES | 72.4 |

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| District I 1925 N. Frends Dr., Hale | In. HAT KEND | Sta | te of New Mexico | 0 | 1 | · · · · | Form C-1 |
|--|---|--|--|------------------------|--|----------------------------------|-------------------|
| District II 1301 W. Granil Avenue. | | | erals and Natural F | | | | Nuvised 00/01 |
| District III 1000 Ris Brauns Beaul, A | | | onservation Divis | | "Sorline Wante | Mangement | Failing Operation |
| District TV | | | South St. Francis | | "Souline Waste and General documentation a | or-shall mare vailable for 15 | walan mineti |
| 1220 S. St. Drawin Dr., S | | | nta Fe, NM 87505 | | | _ | |
| 1. Generator Nam | | FOR APPR | OVAL TO A | CCEPT | SOLID WA | STE | |
| | rvices, LLC, 614 Reil | ly Ave, Parmingi | on NM 87401 | - | | | |
| 2. Originating Sit MAPL White I | er Lakes Pumping Statior | | | | est. | | |
| 3. Location of Ma UL B Section 16 | iterial (Streel Address Township 95 North R | , City, State or U ange 29 East; 33. | LSTR): 539365, -103.987765 | 5 | | | |
| 4. Source and De | scription of Waste: | | | | | | _ |
| Source: Water/Oil | from the Non Exempt V | Waste Water Tanks | and from the compr | essor skid d | mins | | |
| Description: Non E Estimated Volume | xempt/Non-Hazardoux 80_vd ³ (bbl) Know | Water from the com in Volume (to be o | ngressor skids. ntured by the operate | or at the end | of the famil) | 98 _n | TOW |
| 5. | GENERAT | OR CERTIFICA | TION STATEMEN | VT OF WA | STE STATUS | | |
| I. Thomas Long | ta inspirementation | r sutherward arrest | for University Dealer | en Deserti | is da henda | | |
| Generator Sig | , representative m | amonitaed agent | for Enterprise Produ | cis Operatio | ng no hereny | | |
| certify that according | g to the Resource Com ation, the above describ | ervation and Reco | very Act (RCRA) an | d the US Easification) | vironmental Pro | tection Age | ncy's July 198 |
| | mpt: Oil field wastes g | enerated from ail a | and gas exploration a | and producti | on operations an | d are not mi | ed with non- |
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| 74 | and long | | | | | | |
| I, Thomas Long | . representative | for Enterprise Pro | docts Operating auti | horizes Agu | Moss. LLC to a | samplefe | |
| Generator Sign the required testing/s | sign the Generator Was | te Testine Certific | ation | | | | |
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| l, | , representati | | Agua Moss, J | LLC | do here | by certify th | at |
| have been found to g | les of the oil field waste conform to the specific samples are attached to | requirements appl | scahle to lendlarms p | romunt in S | iection 15 of 19.1 | 5.36 NMA | . The mails |
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| 5. Transporter: T | | | | | | | |
| OCD Permitted St | urface Waste Manage | ment Facility | | | | | |
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| Method of Treatment a | | tion Trents | ng Plant 🔲 Land | farmt 🗖 | Landfill D.C. | liber | |
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| fall Euvironmental Analysis | Labors | atory, Inc. | | | Analytical Report Tab Onles 1704C71 Date Reportal: 5/16/20 | 17 |
|--|------------|----------------------|-------------|----------------|---|---------|
| LTENT: Souder, Miller and Associates referet: Caprook DGT ab ID: 1704C71-001 | Matrix: | AQUEOUS | Collection | Date: 4/2 | prock BGT 6/2017 2:15:00 PM 8/2017 9:30:00 AM | |
| nalyses | Result | PQL Qual | Units | Df | Date Analyzed | Batch |
| PA METHOD 7470: MERCURY | | | | _ | Analyst | MEG |
| Marcury | 60 | n.08636 | mak | 1 | 6/8/2017 3:20:07 PM | 31000 |
| PA 60108: TOTAL RECOVERABLE ME | TALS | | | | Analyst | |
| Arsenic | NO | 5.0 | - | 1.00 | | |
| Barlon | NO | 100 | mg/L. | | 5/9/2017 11:27:58 AM | 31602 |
| Cadmium | ND | 1.0 | mg/L | | 5/0/2017 11:27:58 AM | 31602 |
| Chromium | ND | 5.0 | | 1.1 | 6/9/2017 11:27:58 AM | 21600 |
| Lend | ND | 5.0 | mpt. | 1 | 6/9/2017 11:27:58 AM | 31602 |
| Selenium | ND | | mg/L | -1 | 5/9/2017 T1:27:58 AM | 31602 |
| Silver | ND | 1.0 | mg/L | 1 | 5/9/2017 11:27:58 AM | 31602 |
| STUP | CALL . | 5.0 | mgiL | | 5/8/2017 11:27:58 AM | 31803 |
| A METHOD 8270C: PAHS | | | | | Analyst | DAM |
| Maphthalastas | NID | 0.56 | August . | 14 | \$/10/2017 3:04:56 PM | 31620 |
| I-Medvyloaphtmixme | NE | 0.50 | 1991 | 3 | 5/10/2017 3:04:56 PM | 31520 |
| MultyInaphibalene | NO | 0.59 | DOIL. | 1 | 6/10/2017 3:04:58 PM | 31520 |
| ormaphinytene | ND | 0.50 | ust | | 5/10/2017 3:04-56 PM | 315210 |
| cenaphthene | ND | 0.50 | ug/L | 1 | 5/10/2017 3:04:56 PM | 31520 |
| luorene | ND | 9.50 | NOL | 1 | 5/10/2017 3:04:56 PM | 31520 |
| Phonendicere | MD | 0.50 | NUL | | 5/10/2017 3:04:56 PM | 31520 |
| nuvacenn | ND | 0.50 | AND. | | 5/10/2017 3:04:58 PM | 31520 |
| Flooranthene | ND | 640 | UPL | | \$/10/2017 3:01:56 PM | 31520 |
| yrene | ND | 0.50 | µg/L | 1 | 5/10/2017 3:04:56 PM | 31520 |
| lonz(a)anthracene | ND | 0.50 | LOL | 1 | 5/10/2017 3:04:56 PM | 31520 |
| Chrysene | ND | 0.50 | Lat | 1 | 5/10/2017 3:04:56 PM | 31520 |
| anzo(b)Auominimene | ND | 0.00 | HOR | | 5/10/2017 3:04 56 PM | E1620 |
| anami(k)/Recordentivence | ND | 0.50 | HOL | Ť. | 5/10/2017 3:04:56 PM | 31520 |
| lenzo(a)pyrene | ND | 0.50 | ugit | 1 | 5/10/2017 3:04:56 PM | 31520 |
| Dibooz(a.tr)anthraicene | ND | 0.50 | UDIL | | 5/10/2017 3:04:56 PM | 31520 |
| imtzci(d.h. Sperylene | ND. | 0.50 | HB/L | 1.1 | 6/10/2017 3:04:56 PM | 31520 |
| deno(),2,3-ot)pyrene | ND- | 0.50 | Lot. | | 5/10/2017 3:04:56 PM | 31520 |
| Gun, N-hexadecare | 0967 | 15-176 | NHer: | - | | |
| Sur Benzolalaytena | 72.4 | 15-114 | ALRec . | | | 31520 |
| A METHOD 82608: VOLATILES | 12.4 | 10-190 | Mat | | | |
| | | | | | Analyst: | rde |
| enzene. cluerer | MD | 200 | NUS. | 200 | 4/28/2017 8:00:00 PM | R4245Y |
| | ND | 200 | pyr | 200 | 4/28/2017 6:00:00 PM | R42451 |
| thylbenzane | ND | 200 | µg/L | 200 | 4/28/2017 6:00:00 PM | R42451 |
| why terr-buly after (MIBE) | MD | 200 | Light | 203 | A/28/2017 6:00,00 PM | FM2451 |
| 2.4-Trimenty/benzena | MD . | 200 | 1991 | 200 | 4/28/2017 6:00:00 PM | 1142457 |
| 3.5-Trimettylbeizene | ND | 200 | HOL | | | RAUNST |
| 2-Exchikaroe@nerror (EEDC) | ND | 200 | HOL. | 200 | 4/28/2017 6:00:00 PM | R42481 |
| Refer in the QC Summary report and | sample log | in checklist for fla | ggod QC d | | | |
| illiere: » Unive exceeds Maximum Conta | minut Lord | | Anabras | improved to | associated Method Islank | |
| D Sample Diluted Due to Matrix | A VL | | | | | |
| H Holding times for preparation or | mahair | | vator ab | ove quantitat | ion range | |
| ND Not Detected at the Reporting I. | | reded | Analyte o | screeted below | v quantitation limits Page | 1 of 11 |
| R RPD outside accepted recovery | | R | compile b | IT rot in Ital | -Re | |
| in an ensemble manpled recovery | arris 63 | R | L Keportini | g Detection L | AND A CONTRACT OF A CONTRACT. | |

| Hall En | viro | nmental Analysis | Labora | tory, Inc. | | | Analytical Report Eab Onlin 1704C71 Date Reported: 5/16/20 | 17 |
|----------------------------------|------------|---|-------------------|-------------------|-------|--------------------------|--|-----------|
| CLIENT: | Soude | - Miller and Associates | | (| Clien | Sample ID: (| Taprock BGT | |
| Project: | Cam | ck HGT | | | Coll | ection Date: | 26/2017 2:15:00 PM | |
| Lah ID; | 17040 | 1.001 | Manuface | AOUTEOUS | | | 28/2017 9:30 DO AM | |
| Cani IIV. | Trone | TROOT | Statrice . | AQUINODS | ice | cerved Dute: « | 02102010 9530.00 AM | |
| Analyses | _ | | Result | PQI. Qual | Un | ix D | F Date Analyzed | Batch |
| CPA METH | | 2008: VOLATILES | | | | | Analyst | rde |
| 1.2-Dibron | riginities | (BCI3) WI | 2400 | 0.000 | μġ | L 3 | 100 4/28/2017 6:00:00 PM | RASAST |
| Naphthaia | ne | | NO | 400 | 1.9 | L .7 | 00 4/28/2017 6:00:00 PM | R42451 |
| i-Methyin, | | | INL/ | 800 | 19 | E :3 | 00 4/28/2017 6 00 00 PM | R42451 |
| ZMalbyin | ophilhai | ALL N. L. | NET | 800 | - HO | L 3 | 10 4/25/2017 6:00:00 PM | R42451 |
| Acetone | | | ND | 2000 | .10 | L .3 | 00 4/25/2017 6.00:00 PM | R42451 |
| Bromobern | tone | | ND | 200 | 19 | L 2 | 00 4/28/2017 6.00.00 PM | R42451 |
| Bromodich | hiorome | thane | ND | 200 | µ9 | L 2 | 00 4/28/2017 6:00:00 PM | R42451 |
| Bromptoco | 1 | | ND | 200 | 10 | | 00 4/25/2017 6:00:00 PM | H#2451 |
| Brammen | tune . | | ND | .000 | -99 | | 00 4/25/2017 6:00:00 PM | 642451 |
| 2-Butanen | a 🗆 | | NO | 2000 | Va | | 00 4/25/2017 6:00:00 PM | R42451 |
| Carrison da | NITCH. | | NO | 2000 | NO | | 00 4/25/2017 6 00:00 PM | R42451 |
| Carison Ta | Inacreio | non | ND | 200 | Un | | 00 4/28/2017 6:00:00 PM | R42451 |
| Chiprolema | 2,000 | | ND | 200 | 10 | | 00 4/25/2017 B:00:00 PM | R42451 |
| Chicroetha | | | ND | 400 | ha | | 00 4/28/2017 6:00:00 PM | R42451 |
| Chloroform | n | | ND | 200 | HQ | | 00 4/28/2017 6:00:00 PM | R42451 |
| Chiermat | formal | | ND | 600 | UQ | | 00 4/28/2017 6 00:00 PM | R42451 |
| 2-Chloroto | | | ND | 200 | 10 | | 00 4/28/2017 6:00:00 PM | R42451 |
| 4-Chloroto | | | ND | 200 | P9 | | 00 4/28/2017 6:00:00 PM | R42451 |
| CIN-1.2-DC | | | NO | 200 | 10 | | 00 4(28/2017 0:00:00 PM | R42451 |
| 09-1,5-00 | | - | ND | 200 | - 140 | | 00 4/28/2017 6:00:00 PM | 1642451 |
| | | loropropiana | ND | 400 | 90 | | 00 4/28/2017 6:00:00 PM | R42451 |
| Dilmmand | | | THE | 100 | NO | | 00 4/28/2017 6/00:00 PM | H42451 |
| Dibiomom | | | ND | 200 | 10 | | 00 A/28/2017 6 00:00 PM | RADADT |
| 1.2-Dichlor | | | ND | 200 | HU | | 00 4/28/2017 6 00 00 PM | R42451 |
| 1,3 Olichiles | | | ND | 200 | 19 | | 00 4/20/2017 0.00.00 PM | R42451 |
| 1,4-Dichlor | | | ND | 200 | P9 | | 00 4/28/2017 6:00:00 PM | R42451 |
| Dichisrooli | | | ND | 200 | | | 00 4/28/2017 6:00:00 PM | R42451 |
| 1.1-Ochies | | | ND | 200 | - 98 | | | |
| 1.1-Dichio | | | | | ug/ | | 00 4/28/2017 6:00:00 PM | R42451 |
| 1,2-Okchior | | | ND | 200 | 40 | | 00 4/25/2017 6:00:00 PM | R42451 |
| | | | ND | 200 | PD/ | | 00 4/28/2017 6 00 00 PM | R42451 |
| 1.3-Cichles | | | ND | 200 | 100 | | 00 4/28/2017 0:00:00 PM | R42451 |
| 2,2-Dictrio 1,1-Dichlor | | | ND | 400 | 10 | | 00 4/25/2017 8:00:00 PM | R42451 |
| 1,1-Dichior | | | ND | 200 | 99 | | 00 4/28/2017 6.00:00 PM | R42451 |
| | | ene | ND | 200 | P9/ | - | 00 4/28/2017 6:00:00 PM | R42451 |
| 2-Heikanon | | | NO | 2000 | 10 | | 08 4/28/2017 5:00:00 PM | R42451 |
| instandation | | | ND | 200 | 14 | | 00 4/28/2017 6:00:00 PM | R42451 |
| 4-Isopropy | | | ND | 200 | (Pal | | 00 4/28/2017 6:00:00 PM | R42451 |
| 4-MMDy1-2 | | | ND | 2000 | 10 | | 00 4/28/2017 8:00:00 PM | H42451 |
| Manylore | Ehkak | 30 | ND | 800 | 10 | 2 | 00 4/25/2017 B-00 00 PM | 943461 |
| Refer to the QC Summary report a | | e QC Summery report an | d sample logi | n checklist for f | logge | preservation information | ø., | |
| QuillBers | | Value exceeds Streampre-Con | | | | hialyte detected i | n the associated Method Blank | |
| | D | Santary Dilator Due to Matrin | | | E 1 | value above quant | titation range | |
| | H | Fielding times for preparation | | | 1 | Amilyte detocred h | adree quantization limits Plags | 2.41 (2) |
| | ND | Not Determined at the Reporting | Timit | | D | inspie phi Not in | Ringe | and at |
| | R | RPD muside accepted recover | y limits | 1 | RL I | Reporting Detection | so Limit | |
| | 5 | 15 Recovery outside of range | the production of | a managine | W 3 | Complete supplicities of | emperature is out of limit as a | builting. |

| Hall Environmental Analysis | Lair Onler 1784C71 Dair Reported, 5/16/2017 | | | | | | | |
|---|--|---|----------|---------------------------|--------|--|--|--|
| CLIENT: Souder, Miller and Amoetates Project: Coprock BGT Lab ID: 1704C71-001 | Matrix | Client Sample ID: Caprock BGT Cultertion Date: 4/26/2017 2:15:0 Mutrix: AQUEOUS Received Date: 4/26/2017 9:36:0 | | | | | | |
| Analyses | Result | PQL Qual | Tinita - | DF Date Analyzed | Batch | | | |
| EPA METHOD \$2608: YOLATILES | | | | Analysi | rda. | | | |
| in-Bulytbergener | MO | 000 | Hat | 200 4/26/2017 6:00:00 PM | 124245 | | | |
| n-Propylbananie | ND | 200 | UpL | 200 4/28/2017 6:00:00 PM | R42451 | | | |
| amo-ge//apennania | NU | 200 | UDE | 200 4/28/2017 6:00:00 PM | H42451 | | | |
| Styteme | ND | 200 | Upt | 2581 4/28/2017 8:00:00 PM | R42451 | | | |
| | | | | | | | | |

| EPA METHOD \$260B: YOLATILES | | | | Analysi | rde. |
|------------------------------|------|--------|-------|---------------------------|---------|
| in-Bulytbendener | MO. | 800 | uat | 200 4/26/2017 6:00:00 PM | R42451 |
| n-Propylbinanie | ND | 200 | VOL | 200 4/28/2017 6:00:00 PM | R42451 |
| INC-BUTYDEITMITT | NU | 200 | UDE | 200 4/28/2017 6:00:00 PM | H42451 |
| Styteme | ND | 200 | upt | 2011 4/25/2017 8:00:00 PM | R42451 |
| tort-Butytbenzene | ND. | 200 | ugh | 200 4/25/2017 6:00:00 PM | R42461 |
| 1,1,1,2-Tetrachtoroetmane | ND | 200 | ugit | 200 4/28/2017 6:00:00 PM | R42451 |
| 1,1,2,2-Tetrachloroethane | ND | 400 | µg/L | 200 4/28/2017 6:00:00 PM | R42451 |
| Tetrachloro-illivine (PCE) | NO. | 200 | MOR | 200 A/25/2017 6:00:00 PM | R#2451 |
| trans-1 2-OCE | ND. | 200 | ugit | 200 4/28/2017 8:00:00 PM | F042451 |
| Wars-1.3-Olowwopropeve | ND. | 200 | 000 | 200 4/28/2017 6:00:00 PM | R42451 |
| 1, Z, 3- TRENORGENITZIERIN | ND | 200 | HD/L | 200 4/25/2017 6:00:00 PM | 1942451 |
| 1,2,4-Tribisondercone | ND | 200 | ug1. | 200 4/28/2017 6 00:00 PM | R42451 |
| 1.1.1-Tochlorowifiane: | ND | 200 | UQ/L | 200 4/28/2017 6:00:00 PM | R42451 |
| 1,1,Z-Trichloroethane | ND | 200 | µg/L | 200 4/28/2017 6:00:00 PM | R42451 |
| Trichloroethene (TCE) | ND | 200 | µg/L | 200 4/28/2017 6:00:00 PM | R42451 |
| Trichhedlacrometsens | ND | 200 | UD/L | 200 4/28/2017 6:00:00 PM | R42451 |
| 1,2,3-Trichloropropanic | ND | 400 | HB/L | 200 4/28/2017 8:00:00 PM | R42451 |
| Vinyl chloride | ND | 200 | µg/L | 200 4/28/2017 6:00:00 PM | R42451 |
| Xylenes, Total | ND | 300 | µg/L | 200 4/28/2017 6:00:00 PM | R42451 |
| Surr: 1.2-Dichloroethane-d4 | 88.3 | 70-130 | %Rec | 200 4/28/2017 6:00:00 PM | R42451 |
| Sur: 4-Bromoffuorobenzene | 104 | 70-130 | SiRec | 200 4/28/2017 6:00:00 PM | R42451 |
| Sun: Dibromofluoromethane | 100 | 70-130 | %Kec | 200 4/28/2017 6:00:00 PM | R42451 |
| Surr: Toluene-d8 | 102 | 70-130 | %Rec | 200 4/28/2017 6:00:00 PM | R42451 |
| | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information. Tel the QC Summary report and sample logic recentse for hagged QC and and prederation intermation.
 Value executed Maximum Contamisant Levit. B Analyte detected in the associated Method Blank
 Sample Dated Date to Matter
 Tel Mathyna lines for expension or analytic second I
 Multiply lines for expension or analytic second I
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 Simple continues temperature if and of lines as questified.
 Multiply lines are second or respectively.

Ampletical Report

| With (704C-1) 12.Map.J 5 | QC SUMMARY REPO Hall Environmental Analy | |
|------------------------------|--|------------------------------|
| | Client: Souder, Miller and Project: Caprock BGT | Associates |
| 82008 VOLATILES | Trample ID' vts samp) | YOU MELLIN TUBICAN |
| | CitorA (D. PBW Bald | ID. R42451 Rund |
| Linita: ug/t | Prep Date: Analysis D | ate: 4/28/2017 Seq1 |
| HighLimit WRPD RPDLimit Qual | Analyte Result | PGL SPK value SPK Rel Val. M |
| 130 | 4-Chlorotoluene ND | 1.0 |
| 130 | dis-1.2-DCE ND | 1.0 |
| 1.00 | | 1.0 |

Qual Gersi

| Sampla ID 100ng los | Samp | Type: Lt | 10 | | Posts B | RA Matter | 87698: VOL | and a | | _ | |
|---|--------------------|----------|-----------|--------------|--------------|--------------|---------------|--------|------------|------|--|
| Client (D) LCSW | | 10 R | | | RUNNIX A | | events vot | AIRED | | | |
| Phip Date: | Analysis i | | | | | | 100 20 | | | | |
| | | ADE: 4 | | | BegNo: | 334830 | Linits: pig/L | | | | |
| Ansiye | Result | PQL | | SPK Rel Val | | LouLine | Harkint | WRPD | RPDLinit | Qua | |
| luene | 21 22 | 1.0 | 20.00 | U | 105 | 70 | 130 | 1 | | | |
| Norobertaine | | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | | |
| Divisionaliana | 23 | 1,0 | 20.00 | 0 | 158 | 70 | 1.90 | | | | |
| chloroethene (TCE) | 21 | 1.0 | 20.00 | U | 110 | 70 | 130 | | | | |
| Sum 1.2-Dichiomethane-d4 | 8.6 | 1.0 | 10.00 | 0 | 104 | 70 | 130 | | | | |
| Sur. 4-Bromeshaprobenzene | 10 | | 10.00 | | 85,7 102 | 70 | 130 | | | | |
| Sort Distance.comeshane | 10 | | 10.00 | | | 70 | 150 | | | | |
| Sum Takansi-dit | 10 | | 10.00 | | 100 | 70 | 130 | | | | |
| ample ID rb | | YPU: ME | | - | | | | | | _ | |
| Internation Plank | | | | | | | B260B VOL | ATILES | | | |
| | | ID: RA | | | munito: 4 | 2122 | | | | | |
| Pento Dalla: | Analysis D | inte di | 28/2017 | 5 | laghin: 1 | 334831 | Unit. HOL | | | | |
| nalyle | Result | POL | SPK weine | SPK Ret Vul | SREC | I real inch | Hight imit | 9,000 | P8PDLimit | Quel | |
| nzene | ND | 1.0 | | a second run | Sand Co. | Luncon | rafae and | 2000 | HPOCHIN | Quar | |
| uene | ND | 1.0 | | | | | | | | | |
| ylbenzene | ND | 1,0 | | | | | | | | | |
| yf leithbutyf ether (MTBE) | ND | 1.0 | | | | | | | | | |
| Trivittyberzeise | ND | 4.0 | | | | | | | | | |
| -Trimethyberzene | ND | 1.0 | | | | | | | | | |
| Nchloroethane (EDC) | ND | 1.0 | | | | | | | | | |
| Dibromoethane (EDB) | ND | 1.0 | | | | | | | | | |
| hthalene | ND | 2.0 | | | | | | | | | |
| rthylnaphthalene | ND | 4.0 | | | | | | | | | |
| thylnaphthalene | ND | 4.0 | | | | | | | | | |
| see | 100 | 1.0 | | | | | | | | | |
| nodichloromethane | ND | 1.0 | | | | | | | | | |
| notorm | ND | 1.0 | | | | | | | | | |
| nomethane | ND | 3.0 | | | | | | | | | |
| tanone | ND | 10 | | | | | | | | | |
| con disulfide | ND | 10 | | | | | | | | | |
| on Tetrachloride | ND | 1.0 | | | | | | | | | |
| robenzene | ND | 1.0 | | | | | | | | | |
| roethane | ND | 2.0 | | | | | | | | | |
| oroform | ND | 1.0 | | | | | | | | | |
| romethane | ND | 3.0 | | | | | | | | | |
| lorotoluene | ND | 1.0 | | | | | | | | | |
| | | | - | | | | | | | | |
| lfiers: | | | | | | | | | | | |
| Value excepte Mastimue | | init. | | ti Analyte d | etected in | the process | Meiled Filari | | | | |
| Sample Diluted Due to M Holding times for presse | | | | 6 Value site | WE (Martinia | talinn carge | | | | | |
| Holding times for presar | thing or analysis. | travilar | | | | him gummitat | ann limms | | Page 4 of | 11 | |
| Net Detected at the Repo | | | | | It Not In P | | | | raffe + 01 | 11 | |
| RPD counte accepted ro | covery limits | | | | | | | | | | |
| % Recovery outside of in | nor due to debuts | | A | | | | | | | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WOR 1704071

16-May-17

| Sample ID' vis | -samp) | (00) M | ar w | | TesiG | ide B | A Redhod | exeen vol. | ATILES | | |
|--|--------------|-----------|---------------|----------|--------|----------|----------------|-------------------|--------------|--------|------|
| Client (D. PBW | Baid | ID. R | 2451 | | Rue | No 4 | 2451 | | | | |
| Prep Date: | Analysis D | ate: 4 | 28/2017 | | Se | qNo: 1 | 334831 | Units: µg/L | | | |
| Analyte | Result | POL | SPK value | SEV EM | Mat 1 | AREC | Lowing | HighLinit | W.RPD | RPOLIM | Qual |
| 4-Chlorotoluene | ND | 1.0 | Divis village | 21/5 148 | | ALL NO. | E-STING-CO-C | | | | - |
| dis-1 2-DCE | ND | 1.0 | | | | | | | | | |
| | ND | 1.0 | | | | | | | | | |
| dis-1,3-Dichtoropropene 1,2-Dibramo-3-civianipropanet | ND | 2.0 | | | | | | | | | |
| Contraction and the | ND | 1.0 | | | | | | | | | |
| Disromomethane | ND | 1.0 | | | | | | | | | |
| | ND | 1.0 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1.0 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.0 | | | | | | | | | |
| 1.4 Octable Direction | HD | - 101 | | | | | | | | | |
| Dichorodilluorometrano | | 1.0 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 1.0 | | | | | | | | | |
| 1.1-OldAvoithine | ND | 3.0 | | | | | | | | | |
| 1,2.Ficeloccompetent | ND | 1.0 | | | | | | | | | |
| 1,3-Dichloropropame | ND | 1.8 | | | | | | | | | |
| 2.3-Cichloroprobine | ND | -24 | | | | | | | | | |
| U1-Dichloropropehu | ND | 1.6 | | | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | | | | | | | | | |
| 2-Hexanone | ND | 10 | | | | | | | | | |
| isopropy/benzene | ND | 1.0 | | | | | | | | | |
| & kopropylicitume | ND | 18 | | | | | | | | | |
| 4 Methyl 2-penterono | ND | | 1 | | | | | | | | |
| Methylene Chloride | ND | 3.0 | 1 | | | | | | | | |
| m.Butyloetutene | NU | 0.0 | 1. | | | | | | | | |
| n-Propylainizania | NO. | - 10 | 5 | | | | | | | | |
| Mo-Euty/benzene | ND | 14 |). | | | | | | | | |
| Styrene | NO | 1.1 | 5 | | | | | | | | |
| tert-Butylbenzene | ND | 1.1 | | | | | | | | | |
| 1,1,1,2-Tetrachlocemane | ND | 1. | | | | | | | | | |
| 1.1.2.2 Tematikinemum | ND | 2.1 | | | | | | | | | |
| Tetrachloroethene (PCE) | ND | 1. | | | | | | | | | |
| tans (2.0CE | NET | 43 | | | | | | | | | |
| tane 13-Dichisopildene | ND | | | | | | | | | | |
| 12.5-Tichloroberzené | ND | | | | | | | | | | |
| 1.2.4-Trichloroberzene | ND | 1 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1 | | | | | | | | | |
| | ND | 1. | - | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1 | | | | | | | | | |
| Trichloroethene (TCE) Trichlorofluoromethane | ND | 1. | | | | | | | | | |
| | ND | 2 | | | | | | | | | |
| 1.2.3-Trichloropicpane | ND | 2 | u. | | | | | | | | |
| Qualifiers: | | | | | | | | | | | |
| Value exceeds Maxim | | Livit | | | | | | asof Method B | and a state | | |
| 13 Sample Dilined Dia I | | | | | | | unistation san | | | | 100 |
| H Malbing times for pro- | | in excer | sled | | | | | station impils | | Page 5 | otil |
| ND Not Deterted at the Ki | tuni gutroep | | | | | | In Roran | | | | |
| R. RYE outside accepted | | | | | | | tion Lims | | | | |
| S % Recovery outside o | | intion or | matrix | W | Sumala | containe | v temperatur | e is out of limit | as specifies | | |

OC SUMMARY REPORT WERA-1704071 Hall Environmental Analysis Laboratory, Inc. 16 May-17

| | ooder, Miller and aprock BGT | Associa | ties | | | | | | | |
|--------------------------|---------------------------------|---------|-----------|--------------|------------|------------|-------------|--------|----------|------|
| Sample ID rp | 5emp) | ype Ma | BLK | Tes | Niode: El | PÁ Method | BZ69B: YOL | ATILES | | |
| Citout ID: PBW | Bala | D RA | 2451 | 1.0 | ionitio 14 | 2451 | | | | |
| Wrapp Date: | Analysia | in al | 10000 | | Salis 9 | 10 Million | Units: ug/L | | | |
| Analylo | Result | POL | SPK value | SPIC Ref Vel | BRED | LowLimit | HighLinit | KRPD | RPOLINIE | Qual |
| Vinyl chicride | ND | 1.0 | | | | | | _ | - | _ |
| Kylemes, Tokal | ND | 1.5 | | | | | | | | |
| Sur: 1,2-Dichloroethane- | 64 8.6 | | 10.00 | | 85.8 | 70 | 130 | | | |
| Sur: 4-Bromofluorobenze | ne 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: Dibromofluoromethe | mo 10 | | 10.00 | | 100 | 70 | 130 | | | |
| Surr: Toluene-d8 | 10 | | 10.00 | | 104 | 70 | 130 | | | |

| | Value exceeds Maximum Contaminant Level. |
|--|--|
| | |

- ated Due to Matrix

- D Sample branced sets of marks
 H Holding times for preparation or analysis exceeded
 Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits
 S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
 Value above quantitation range
 Analyte detected below quantitation limits
 Analyte detected below quantitation limits
 Sample pH Not In Rauge
 Royoring Detections Limit
 Sample container temperature is out of limit as speci Page 6 of 11

Hall Ervit

weed Amateria Labo

OrderNo.: 1704C69

its own hillow

1981 Herabies NE Illingtony NM 4718 TRL 303-445-4073 FAX-307-343-4107

HALL 8 ANALYSIS I

May 16, 2017 Ashley Maxwell Souder, Miller and Associates 401 W. Broadway Farmington, NM 87401 TEL: (505) 325-5667 FAX (505) 327-1496

RE: White Lakes Station

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/28/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited These ware analyzed according to ETX proceedings or equivalent. To access our accretions tests plasses go to www, indicarvironmental acon or the state specific were sites. In order to properly interpret your results, if is imperative that you review this report in its entirety. See this sample checklist and/or the Charn of Custody for influence to regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analysical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or elarifications.

ADHS Cert #AZ0682 - NMED-DWB Cert #NM9425 - NMED-Micro Cert #NM0190

Sincerely,

and

Andy Freeman Laboratory Manage 4901 Hawkins NE Albuquerque, NM 87109

| Detrict J 1643 N. Prosta D., 2000b, 564 Na2A0 Dataset J. 100 W. Grand Avenue, Artissa, 564 R1218 Dataset JJ 1000 R. do Bonnie Rand, Anton, 564 R3190 Dataset JP 1220 S. St. Francis De, Sama Fe, NAI 8703 | State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 | GIGGII Broked 06071 Surface Wate Management Fieldby Upread and Green ator shall manufate in the munication available for Direction responses |
|--|--|--|
| | FOR APPROVAL TO ACCEPT | SOLID WASTE |
| 1. Generator Name and Address: Enterprise Field Services, LLC, 014 Ref | ly Ave, Farmington NM #7401 | |
| 2. Originating Site: MAPL Caprock Pumping Station | The second | |
| Lucation of Material (Street Address UL D Section 27 Trwnship 12S North | , City, State or ULSTR): Range 33 Last; 33,256475, -103,609407 | |
| Description: Non Exempt/Non-Mazardous | WasteWater Tanks and from the compressor skid o Water from the compressor skids. In Volumo (to be exerced by the operance at the end | 10 |
| 5. GENERAT | OR CERTIFICATION STATEMENT OF WA | STESTATUS |
| Generator Signature certify that according to the Resource Con- | r authorized agent for Enterprise Products Operati arvation and Recovery Act (RCRA) and the US E ed waste is: (Check the appropriate classification) | avtreamental Protection Agency's July 1988 |
| RCRA Exempt: Oil field wastes exceept waste. Operator Use Only. | enerated from oil and gas exploration and product Waste devertunce Programs [] Monthly [] | ion operations and are not mixed with ann- Beehly Per Load |
| characteriatics exablished in RCRA re | sie which is non-hazardous that dows not exceed th gulations, 40 CFR 261,21-261,24, or listed hazard documentations is attached to demonstrate the abo | ous waste as defined in 40 CFR, part 261. |
| MSDS Information S RCRA Hazar | dons Waste Analysia D Process Knowledge | Other (Provide description in Box 4) |
| | ASTE TESTING CERTIFICATION STATEM | |
| I, Thomas Long June, Lag, representative Generator Stguature the required testing/sign the Generator Wat | the Enterprise Products Operating authorizes Aga to Testing Certification. | at Moss, LLC to complete |
| l, representat | ive for Agua Moss, LLC | do hereby certify that |
| representative samples of the oil field want have been found to conform to the specific | have been subjected to the pain filter test and test requirements applicable to landfarms pursuant to o demonstrate the above-described waste confirm | and for chloride conient and that the samples Section 15 of 19,15,36 NMAC. The results |
| 5. Transporter: To Be Determined | | |
| OCD Permitted Surface Waste Manage | ment Facility | |
| Name and Facility Permit #: *Agua Mese Address of Facility: SW/4 NW/4 Section | s, LLC - Permit #: NM-01-009 2, Township 29N, Range Crouch Mesa, NM | |
| Method of Treatment and/or Disposal: Evaporation Waste Acceptance Statune | ction: Treating Plant Landfarm | Landfill 📋 Other D (Must Be Mainitained As Permanent Record |
| PRINT NAME: Unicat Class | TITLE: CHER | DATE 9/24/12 |

| Hall Environmental Analysis | Labora | tory, Inc. | | | Analytical Report 1 ah Order 1784C69 Date Reported: 5/16/20 | 17 |
|--|----------|------------|------------|----------|---|-------|
| CLIENT: Smither, Miller and Associates Project: White Lakes Station. Lab ID: 1704C69-001 | Matrin: | AQUEOUS | Collection | Date: 40 | hite Lakes BOT 56/2017 12:00:00 PM 28/2017 9:10:00 AM | |
| Analyses | Result | PQI. Quai | Units | DF | Date Analyzed | Buic |
| EPA METHOD 7470: MERCURY | _ | | | - | Analysi | MED |
| Marcilly | NO | 0.00020 | angal. | | and the second se | 0160 |
| EPA 60108: TOTAL RECOVERABLE ME | | | | | Analysi | |
| Avenic | ND | 50 | | | | |
| Benum | ND | 5/0 100 | mg/L | 1 | 5/9/2017 11:24:51 AM 5/9/2017 11:24:51 AM | 3160 |
| Cadmium | ND | 1.0 | mg/L | 1 | 5/9/2017 11:24:51 AM | 3160 |
| Contenium | ND | 5.0 | ing L | 1 | 5/9/2017 11:24:51 AM | 3160 |
| Lauri . | ND | 5.0 | mon | 1 | 5/9/2017 11:24:51 AM | 3160 |
| Salardure | ND | 1.0 | mgA. | 1 | 5/9/2017 11:24:51 AM | 3160 |
| Sillyer | ND | 5.0 | mart | 1 | 5/9/2017 11:24:51 AM | 3163 |
| EPA METHOD 8270C: PAHS | | | - | | Analyst | |
| Nuchtbalaner | WD | 0.50 | Jou. | | 5/10/2017 216:30 PM | 3161 |
| 1.4.5600 years and a second second | ND | 0.50 | HOL | 14 | 5/10/2017 2:16:30 PM | 3152 |
| 2 Methylnaphtnaiene | ND | 0.50 | UQ/L | 1 | 5/10/2017 2:16:30 PM | 3152 |
| Acenaphthylene | ND | 0.50 | ug/L | 1 | 5/10/2017 2:16:30 PM | 3152 |
| Adensphthe | ND | 0.50 | POL | | 5/10/2017 2:16:10 PM | 3162 |
| Fluerann | ND | 0.50 | ugit | | 5/10/2017 2:18:30 PM | 3152 |
| Phenanthrene | ND | 0.50 | µg/L | 1 | 5/10/2017 2:16:30 PM | 3152 |
| Arthracene | ND. | 0.50 | 100 | 1 | 5/10/2017 2:10:30 PM | 3162 |
| Fluorantriene | ND | 0.50 | - Augul | 1 | SHOONT 2 16:30 PM | 3163 |
| Pyreau | ND | 0.50 | HOL | - 7 | 5/10/2017 2:16:30 PM | 3158 |
| Benzi,ajanilinacene | ND | 0.50 | H9L. | 1 | 5/10/2017 2:16:30 PM | 3152 |
| Chrysene Benzolb/Bucramthene | ND MO | 0.50 | Jou | 1 | 5/10/2017 2:16:30 PM | 3152 |
| Benzok Museumen | NO | 0.50 | VOL | 1.1 | IV10/2017 2:16:30 PM 5/10/2017 2:16:50 PM | 3153 |
| Genzelapymon | ND | 0.50 | HOL | | 5/10/2017 2:16:30 PM | 3152 |
| Diowia(n,h)withracene | ND. | 0.50 | ugit | 1.4 | 5/10/2017 2:16:30 PM | 3152 |
| Bergolo, Autoentieve | NO | 0.00 | Uga | 1.4 | 5/10/2017 2:16:30 PM | 3152 |
| Indeno(1,2,5-od)pycene | ND | 0.50 | UGA | .7 | 5/10/2017 2:16:30 PM | 3152 |
| Surr N-hiskadecane | 70.2 | 15-176 | WRec: | 1 | 5/10/2017 2 18:30 PM | 3152 |
| Surr. Benzolekoyrene | 05.0 | 15-794 | %Roc | | 5/16/2017 2:10:30 PM | 3152 |
| EPA METHOD 8260B: VOLATILES | | | | | Analyst | rde |
| Barrzame | ND. | 200 | Ug/L | 20/ | 4/28/2017 5-12:00 PM | Ph424 |
| Totauna | ND | 200 | MON. | | 4/20/2017 5:12:00 PM | 19424 |
| Einylaennem | ND | 200 | MUN | | 4/28/2017 5:12:00 PM | R424 |
| Molinyi teri-tudyi emer (MTBE) | ND | 200 | JOB/L | | 4/28/2017 5.12:00 PM | R424 |
| 1.2.4-TrimMithylbercere | NO | 200 | HIPL. | | A/28/2017 0 12:00 PM | R424 |
| 1.3.5-Trimetryksenzene | ND: | 200 | Aug. | | 4/28/2017 5:12:00 PM | R424 |
| 1.2-Ded for cardiana (EDC) | ND | 2000 | Jog/L | 10.0 | 4/20/2017 5.12:00 PM | 16624 |

- Refer to the QC Summary report and sample login checklos for flagged QC data and preservation information Value es
 - on Maximum Com unit Level.

ale

Value exceeds Maximum Contantional Le D Sample Diluted Due to Matrix U Hohing times for preparing Jame KD Ner Demend at the Expansing Jame R RPD outside accepted recovery limits. S % Recovery outside of range due to dilute

Anatyse skiesenet in the annuared Method Blank.
 Value above quantitation range
 Anatyse skeened helder quantitation frame
 Sample contained helder quantitation plage.) m² (1)
 Reporting Detection Limit
 W Sample container temperature is out of limit as specified.

505.338-6186

| Hall Env | iro | imental Analysis | Laborat | ory, Inc. | | Analytical Report Lab Units 1704Cay Date Reported: 5016/2011 | | |
|---------------|--|-------------------------------|-----------|-----------------|------------------------------|---|--|--|
| CLIENT: S | ouder | Miller and Assocutes | | | Client | f Sample ID: While Lakes BOT | | |
| Project: W | Vilito. | Lakes Station | | | Call | lectlos Date: 4/26/2017 12:00:00 PM | | |
| Lab ID: 1 | Zinics | 9-001 | Martine / | OUEOUS | | teelved Date: 4/28/2017 9/30/00 AM | | |
| Carp rays 1 | 10162 | 17-041 | matrix: 7 | QUEADA | RO | CENTRE DATE: 4120/2017 4:30500 RM | | |
| Analyses | _ | | Result | PQL Qua | Uni | its DF Date Analyzed Batch | | |
| EPA METH | OD es | BOB: YOLATILES | | | | Analysi rde | | |
| 1,2-Dibrom | | e (EDB) | NO | 200 | i ligit | A. 200 4/28/2017 5 12:00 PM R4245 | | |
| Nuchtinaterr | | | ND | 400 | UQ! | L 200 4/28/2017 5:12:00 PM R4245 | | |
| 1-Methylinag | | | ND | 800 | pg/ | /L 200 4/25/2017 5:12:00 PM 164245 | | |
| 2-Methylnap | phthale | ne | ND | 800 | µg/ | /L 200 4/28/2017 5:12:00 PM R4245 | | |
| Azarlamat | | | ND | 2000 | 40 | 200 4/28/2017 5 12:00 PM R4245 | | |
| Bromoberu | | | ND | 200 | 49 | A. 200 4/26/2017 5:12:00 PM R4245 | | |
| Bromodichle | | hane | ND | 200 | µg/ | | | |
| Bronolorm | | | ND | 200 | 494 | /L. 200 4/28/2017 5 12:00 PM R4245 | | |
| Brotobriell | 214 | | ND | 800 | ilal | | | |
| 2-Butanonia | | | ND | 2000 | VO/ | L 200 4/28/2017 5:12:00 PM R4245 | | |
| Garbon disc | moe | | ND | 2000 | µg/ | | | |
| Carbon Tetr | rachlor | ide | ND | 200 | ug/ | /L 200 4/28/2017 5:12:00 PM R4245 | | |
| Chieroberm | ATTN: | | ND | -200 | 404 | L 200 4/28/2017 5:12:00 PM R4245 | | |
| Chloreothar | 10 | | ND | 400 | 19 | A. 200 4/20/2017 5.12.00 PM R4245 | | |
| Chloroform | | | ND | 200 | ug/ | L 200 4/28/2017 5:12:00 PM R4245 | | |
| Chioromath | ana. | | ND | 600 | UD/ | L 200 4/28/2017 5-12:00 PM R4245 | | |
| 2-Colorool | 41111 | | ND | 200 | UD | 200 4/28/2017 512:00 PM R4245 | | |
| 4-Chilotolok | ene | | ND | 200 | up/ | | | |
| DI-12-0CE | | | ND | 2001 | HO | | | |
| die-1.3-Old | bing | 00010 | ND | 200 | uq/ | | | |
| 1.2-Dibrome | | | ND | 400 | ua/ | | | |
| Olbromochil | | | ND | 200 | 104 | | | |
| Dibromome | | | ND | 200 | PQ/ | | | |
| T.2-Dichking | Sheriza | | ND | 200 | HO | | | |
| 1,0-Olehlare | source | - | ND | 200 | +9 | | | |
| 1.4-Dichloro | | | ND | 200 | ug/ | | | |
| Dichlorodill | in the local division of the local divisiono | (head) | ND | 200 | - La | | | |
| 1.1-Cichloro | within | | ND - | 300 | 10 | entities and a second se | | |
| 1.1-Didviore | | | ND | 200 | UQ! | | | |
| 1.Z-Carbina | | | ND | 200 | HO | | | |
| J.J. Cichiero | | | ND | 200 | 100/ | | | |
| 2.2-Okhiwa | | | NO | 400 | Po/ | | | |
| 1,1-Dichiore | | | ND | 200 | 19 | | | |
| Hexachlorol | | | ND | 200 | Pg/ | | | |
| 2.Heranget | | | NO | 2000 | 10 | | | |
| lacoropylos | | | ND | 200 | 10 | | | |
| 4-Isopropyll | | | ND | 300 | 104 | | | |
| #Mittol-24 | | | NO | 10.881 | 107 | | | |
| Mellighere (| | | ND | NOU | HON | | | |
| | | | | | | | | |
| | - | | | n checklist for | _ | ed QC data and preservation information. | | |
| Qualifieres | | Value exceeds Maximum Cos | | | | Analyte detected in the associated Method Blask | | |
| | D | Sample Diluted Due to Matri | | | E | Value above quantitation range | | |
| | 11 | Holding times for preparation | | lobol | 1.0 | Analyze detroust below quantitation limits Page 2 of 11 | | |
| | ND | Not Detocard at the Reporting | | | 1 4 | Sample off Not In Range | | |
| | R. | RPD outside accepted recover | V Empire | | RL Reporting Detection Limit | | | |

| Hall Environmental Analysis | Latoura | nory, inc. | | Dam Reported: 5/16/20 | 17 | | |
|---|---------|------------|--|--------------------------|---------|--|--|
| CLIENT: Souder, Miller and Associates Project: While Lakes Statum Lab ID: 1704C69-001 | Matrix: | AQUEOUS | Client Sample ID: White Lakes BGT Collection Date: 4/26/2017 12:00:00 PM Received Date: 4/26/2017 9:30:00 AM | | | | |
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch | | |
| EPA METHOD \$2608: VOLATILES | - | | - | Analyse | rde | | |
| n-Burylpenzene | ND | 600 | Val. | 200 4/38/2017 5 12:00 PM | R4246 | | |
| n-PropyZentzere | ND | 200 | ugit. | 200 4/26/2017 5-12:00 PM | RAUAS | | |
| esc-Butylounzenu | ND | 200 | PPL | 200 4/28/2017 5:12:00 PM | 142451 | | |
| Styrene | ND | 200 | Nor | 200 4/28/2017 5:12:00 PM | R4245 | | |
| Tert-Bolyberizieve | ND | 200 | HOT. | 200 4/28/2017 5 12:00 PM | R#246 | | |
| 1.1.1.2-Tet/achitemathana | NO | 200 | val | 200 4/2N/2017 5 12:00 PM | R4245 | | |
| 1,1,2,2/Terrachioroethane | ND | 400 | Not | 200 4/20/2017 5 12:00 PM | R4245 | | |
| Tet/anximumiterrar (FIDE) | ND | 200 | FUL | 200 4/26/2617 5.12/00 PM | R42/6 | | |
| same t.R-DCE | NO | 200 | PHIL . | 200 A/28/2017 5 12:00 PM | R4245 | | |
| trans-1,3-Dichteropropene | ND | 200 | JOL | 200 4/28/2017 S 12:00 PM | B4245 | | |
| 1.2.3 Thishlambenzene | ND | 200 | HOL | 200 4/28/2017 5:12:00 PM | H42451 | | |
| 1,2.4-ThoMaxbenavine | NO | 200 | V9% | 200 A/28/2017 S 12:00 PM | R42451 | | |
| 1,1,1-Trichiorpethane | ND | 200 | 200 | 200 4/28/2017 5 12:00 PM | R42451 | | |
| 1.1.2-Tricklarsethans | ALC: | 200 | HUL | 200 4/20/2017 0.12.00 PM | R42451 | | |
| Trichloroithene (TCE) | ND | 200 | . tau | 200 4/28/2017 5:12:00 PM | R42451 | | |
| Trichlorollucinnwinninge | ND | 200 | Jou | 200 4/28/2017 5:12:00 PM | 1942451 | | |
| 1.2,3-Frichlandpippaves | ND | 400 | Mah | 200 4/28/2017 5:12:08 PM | R42451 | | |
| Vinyi chionda | ND. | 200 | LOL | 300 4/28/2017 5:12:00 PM | R42451 | | |
| Nylenes Tour | ND | 300 | LIQ1. | 200 4/28/2017 5 12:00 PM | R42451 | | |
| -Sur: 2-Dishioraethens-d4 | 67.0 | 70-130 | WRec | 200 4/28/2017 5/12:00 PM | R42451 | | |
| Sum: 4-Bipmofluorulamzame | 101 | 70-130 | %Res: | 200 4/28/2017 5 12:00 PM | R42451 | | |
| Sam Disamethystomations | 548-03 | 26-150 | WRen. | 200 4/26/2017 0 12:00 PM | 1142401 | | |
| Surr: Tolummethi | 102 | 70-150 | %Rec | 200 4/28/2017 5:12:00 PM | F042451 | | |

 Bits
 Provide structure propert and sample login chocklass file flagged QC data and procession information:

 Qualifier:
 *
 Vature inceeds Maximum Consuminant Level.
 B
 Analyte detected in the succession Method Blank.

 D
 Sample Directed Devis Maximum Consuminant Level.
 B
 Analyte detected in the succession Method Blank.

 D
 Sample Direct Devis Maximum Consuminant Level.
 B
 Analyte detected in the succession Method Blank.

 B
 Value structure or margine structure.
 B
 Value structure data granting structure.

 H
 Holding innov ite preparation or margine structure.
 F
 Analyte detected before quantization Timis Pages?) of (1)

 B
 RPO totable accepted recovery limits
 B
 Expering Levels in Limit
 Page 20 of (1)

 S
 % Benovery analide of Sample to Makings or margine at the Method structure temperature is on at limit as specified.
 W
 Sample constants temperature is on at all in a specified.

ίŧ.

Analytical Report

| QC SUMMAR Hall Environmen | ital Anal | ysis l | Laborat | ory, Inc. | | | _ | | - WKM | 17646.00 Tä-May-17 |
|--|-------------------------------|----------|-----------|----------------------|-------------|---------------|----------------|--------|----------|-----------------------|
| | r, Miller and Lakes Statio | | AICA | | | | | | | |
| Sample ID 199ing las | Eomp | Steel La | 10 | Tu | Caster B | PA Mailvool | A2408: VOL | ATILES | | |
| Clime (D: LCSW | Bato | NIC R | 2451 | | RunNo: 4 | 2451 | | | | |
| Prep Date: | Analysis I | Date: 4 | 28/2017 | 1 | SegNo: 1 | 334830 | Units: µg/L | | | |
| Anidyte | Head | POL | and weber | SPIC Rul Val | 8.007 | LowUmit | HighLimit | NRPD. | RPOLINI | Qual |
| Benzera | 21 | 1.0 | 20.00 | 0 | 105 | 20%0/111 | 130 | MAPD. | REDOME | Gun. |
| Tolkieme | 22 | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| Chlorobenzene | 23 | 1.0 | 20.00 | 0 | 114 | 70 | 130 | | | |
| 1,1-Dichlorosthene | 22 | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| Trichloroethene (TCE) | 21 | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | | |
| Sur: 1,2-Dichlomethane-d4 | 8.6 | | 10,00 | | 05.7 | 70 | 120 | | | |
| Saw & Brozon Lannawrizane | 10 | | 10.00 | | 102 | 70 | 150 | | | |
| Sirr. Dioromofbioromeituane | 10 | | 10.00 | | 100 | 70 | 130 | | | |
| SUTT: Toluene-08 | 10 | - | 10.00 | C | 105 | 70 | 130 | | | |
| Sample (D riv | | ype Mi | | Tes | Code: E | PA Melliod | 82008: VOL | ATILES | | |
| Crimon ID. P.BWy | Baid | 10: R | 2451 | | CUNINO: 4 | | | | | |
| Prep Date: | Analysis I | Nate: 4 | 28/2017 | | iogNo: 1 | 10040 | Unit ppt | | | |
| Ansiyte | Result | POL | SPK value | SPK Ref Val | NRFC. | I casi imii | Highi Imit | SiRPO | RPDLimit | Quel |
| Benzene | ND | 1.0 | | | - | | | - | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 1.0 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 3-Dicelonations (EDC) | ND | 1.0 | | | | | | | | |
| 2-Ditromoethane (EDB) | ND | 1.0 | | | | | | | | |
| Naphthalene | ND | 2.0 | | | | | | | | |
| 1-Methylnaphthalene | ND | 4.0 | | | | | | | | |
| 2-Methylnaphthalene | ND | 4.0 | | | | | | | | |
| Acetone Bromabaroana | ND | 10 | | | | | | | | |
| Bromoberizono. Bromodichloromethane | ND ND | 1,0 | | | | | | | | |
| sromodichloromethane Bromotomi | ND ND | 1,0 | | | | | | | | |
| Amonimum | ND | 1.0 | | | | | | | | |
| 2.Rutanone | ND | 10 | | | | | | | | |
| Carbon disulfide | ND | 10 | | | | | | | | |
| Carbon Tetrachioride | ND | 1.0 | | | | | | | | |
| Caroon retrachonoe Chlorobenzone | ND | 1.0 | | | | | | | | |
| Shoroethane | ND | 2.0 | | | | | | | | |
| Chloroform | ND | 1.0 | | | | | | | | |
| Chloromethane | ND | 3.0 | | | | | | | | |
| LChicoshid sena | ND | 1.0 | | | | | | | | |
| 1000 C | | | | | | | | | | |
| Qualifiers: Value mounts Maximum | Contaminant | - | | B Analyte | | | | | | |
| O Sample Diluted Due to N | | area. | | in the second second | | line associat | of Mailrid Bla | | | |
| If Holding tones for prepar | | mand | 4 | | | dow quartits | | | | |
| ND Not Detected at the Repo | | sacesile | | | determini b | | Page 4 nf | 11 | | |
| R RPD outside accepted rea | | | | | g Detectio | | | | | |
| S % Recovery outside of ra | | | | | | | | | | |

| | | MMARY REPORT vironmental Analysis Laboratory, Inc. | 1704C07 (A-May-17 |
|--|--|---|----------------------|
|--|--|---|----------------------|

| Sample ID rb | | Sampl | ype: h | IBLK | | THE | Cotin: E | PAMOUTOO | BZEND: YUL | ATILLES | | |
|----------------------------|------------|-------------|--------|------------|-----|-----------|-------------|---------------|--------------------|----------|--------------|---------|
| (Simil D) PBW | | Bato | KID; P | 142451 | | 18 | univo: 4 | 2451 | -110.C 42-5 | | | |
| Prep Dawn | | Analysis D | kate: | 4/28/2017 | | | ingNo: 1 | 334831 | Units ug/L | | | |
| Analyte | | Result | POL | SPIC yakes | SPK | Ref Val | AREC | LowLimit | HighLimit | SIRPO | APDumit | Ciani - |
| H-Chiorotoluene | | ND | 1, | 0 | - | | | | | | | |
| dis-1,2-DCE | | ND | 1. | 0 | | | | | | | | |
| da-1,3-Dichloropropene | | ND. | 1.1 | 1 | | | | | | | | |
| 1,2-Olbromo-3-chioropropar | 10 | ND | 2.1 | | | | | | | | | |
| Dibromochloromethane | | ND | 1.0 | | | | | | | | | |
| Disrommelhave | | ND | - 11 | | | | | | | | | |
| 2-Dichlorosanzene | | ND | 4.6 | | | | | | | | | |
| 1,3-Dichlorobenzene | | ND | 1.0 | | | | | | | | | |
| 1,4-Dichlorobenzene | | ND | 1.0 | | | | | | | | | |
| Dichlorodifluoromethane | | ND | 1.0 | 3 | | | | | | | | |
| 1,1-Dichloroethane | | ND | 1.0 | 0 | | | | | | | | |
| I, Michloroethams, | 17 | - NO.3 | 1.14 | | | | | | | | | |
| 2-Dichioropromite | - F | ND | 1.18 | 2.1 | | | | | | | | |
| 3-Dichleopropane | | ND | 1.4 | | | | | | | | | |
| 2.9 Dichtorspropsine | | ND | 2.0 | | | | | | | | | |
| 1,1-Dichloropropene | | ND | 1.0 | | | | | | | | | |
| +exachlorobutadiene | | ND | 1.0 | | | | | | | | | |
| Hexanone | | ND | 10 | 0 | | | | | | | | |
| accropylbenzene | | ND | 1.0 | 1 | | | | | | | | |
| -isopropyliciuene | | NU | 1.0 | | | | | | | | | |
| -Methyl-2-pentanone | | ND | 10 | | | | | | | | | |
| Anthylene Chaolikae | | ND | 30 | | | | | | | | | |
| Butylbenzone | | ND | 3.0 | | | | | | | | | |
| -Propylbenzene | | ND | 1.0 | | | | | | | | | |
| ec-Butylbenzene | | ND | 1.0 | | | | | | | | | |
| Syrene | | ND | 1.0 | | | | | | | | | |
| ert-Butylbenzene | | ND | 1.0 | | | | | | | | | |
| 1,1,2-Tetrachtoroethane | | ND | 1.0 | | | | | | | | | |
| ,1,2,2-Tetrachloroethane | | ND | 2.0 | | | | | | | | | |
| etrachloroethene (PCE) | | ND | 1.0 | | | | | | | | | |
| ana-1,2-DCE | | ND | 1.0 | | | | | | | | | |
| ans-1,3-Dichloropropene | | ND | 1.0 | | | | | | | | | |
| 2.3 Tichinoberume | | ND | 1.0 | | | | | | | | | |
| 5.4 Trichtorobertzone | | ND | 1.0 | | | | | | | | | |
| 1,1-Trichloroethane | | ND | 1.0 | | | | | | | | | |
| 1,2-Trichloroethania | | ND | 1.0 | | | | | | | | | |
| Idioidentition (TCE) | | ND | 1.0 | | | | | | | | | |
| printemprouflowithr | | ND | 1.0 | | | | | | | | | |
| 2,3-Tistikuruproparte | | ND | 2,0 | | | | | | | | | |
| Jualifiers: | | | - | | | | | | | | | |
| * Value exceeds Mar | | | evel. | | в | Analyte o | letected in | the associate | ed Method Blan | k | | |
| D Sample Diluted Du | | | | | E | | | itation range | | | | |
| Holding times for y | | | mint | al. | 1 | | | elów quantita | tion firms | | Page 5 of | 11 |
| HD Not Detected at the | Reporting | Limit | | | r | Sample p | | | | | S offer 3 01 | 24 |
| R RPD outside accept | | | | | RL | Reporting | | | | | | |
| 5 % Recovery ontaid | e of range | die to dibe | | ALC: N | w | | | | coal of limit as i | and Real | | |

QC SUMMARY REPORT

 Qualifier:

 Value Stocked Muttimum Contansient Level.

 D. Sample Dilated Data in Manne

 10. Sample Dilated Tapa in Manne

 11. Belding times for programming a parkyris specofied

 120. Ben Doucked at the Reporting Limit.

 120. RPD Double coeffed recovery limits

 13. Stocked on the programming and the stocked at the Reporting Limit.

 13. Stocked at the Reporting Limit.

 14. RPD Double coeffed recovery limits

 15. Networky statide of mange date in allimits on marks.

Hall Environmental Analysis Laboratory, Inc.

| | ouder, Miller and hite Lakes Station | | lica | | | | | | | |
|--------------------------|---|----------|-----------|-------------|----------|------------|-------------|--------|----------|------|
| Bample 10 nb | GempT | you, Ma | erk. | Tes | Cushe B | PA Matinui | 82005. YOL | ATULES | | |
| Client ID PBW | Baid | D: M | 2461 | | keNa: s | 12461 | | | | |
| Prep Date: | Analysis D | late: 4/ | 28/2017 | 5 | SegNo: 1 | 1334831 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| vinyl chloride | ND | 1.0 | 1000 | | | | | | 1000 | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Sur: 1,3-Dichloresihare- | 8,6 46 | | 10.00 | | 85.8 | 70 | 130 | | | |
| Sur: 4-Brunofluoroterze | ne 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: Dibromofluorometha | ane 10 | | 10,00 | | 100 | 70 | 130 | | | |
| Surr: Toluene-d8 | 10 | | 10.00 | | 104 | 70 | 130 | | | |

W800 (784C309

16-M-0-17

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WOIL CTRACTOR 10-Map-17

Clients Souder, Miller and Associates

| Sampla ID les-31526 | SampT | ype: Lt | 2 | Tes | Code 5 | PA Mollind | 8276C: PAH | | | |
|--|------------|---------|-----------|--------------|------------|--------------------------------|----------------|-------|----------|------|
| Client ID; LCSW | Bald | 10: 31 | 620 | | turible: A | 2709 | | | | |
| Prep Date: 5/2/2017 | Analysis D | min: 5 | 10/2017 | | SegNo: 1 | 343408 | Units: Hol | | | |
| Analyse | Retuit | POL | SPR VILLE | SPIC Rel VAL | MREC | LowLinit | HighLimit | MRPD | RPDLimit | Duni |
| kopkingzne | 28- | .0.53 | | | 60.4 | 37.4 | 120 | | | |
| 1 Louis Supplicities | A 18- | 0.53 | | | 64.7 | 39.3 | 121 | | | |
| Methyhophthuliene | 12 | 0.50 | 26.60 | 0 | 59.2 | 37.8 | 122 | | | |
| luci aphonylaria | 12 | 0.50 | 20.00 | 0 | 81.1 | 57 | 124 | | | |
| Acenaphthene | 13 | 0.50 | 20.00 | 0 | 67.3 | 35.6 | 123 | | | |
| Fluoreda : | 14 | 6.94 | | | 68.2 | 35.2 | 122 | | | |
| Thenardisees | 13 | 0.39 | | | 67.2 | 38.8 | 122 | | | |
| Anikescenii | 13 | 0.50 | 20.00 | 0 | 65.2 | 37.5 | 125 | | | |
| Fluoranmene | 13 | 0.50 | 20.00 | 0 | 67.1 | 37.4 | 131 | | | |
| Pyrene | 13 | 0.50 | 20.00 | 0 | 66.4 | 27.5 | 140 | | | |
| Benzi Wenthracene | 13 | 0.50 | 20.00 | 0 | 67.0 | 27.5 | 140 | | | |
| Convention | 15 | 0.50 | 20.00 | 0 | 62.9 | 33.6 | 155 | | | |
| | | | 20.00 | | | | | | | |
| Bench (b) Avorante en er Bench (b) Avorante en er | - 14 | 0.50 | 20.00 | 0 | 70.5 | 39 38 | 153 | | | |
| | 14 | | | | | | 154 | | | |
| Rector(a)pyrene | | 0.50 | 26.00 | 0 | 68.1 | 38.6 | | | | |
| Diserz(a,h)erthracene | 1.4 | 0,50 | 20.00 | 0 | 71.1 | 39.7 | 155 | | | |
| Benzolg TUlperyleve | 14 | 0.50 | 20.00 | 0 | 70.0 | 30.6 | 154 | | | |
| adexo(1,2,3-cd)owna | 14 | 0.50 | 20.00 | D | 60.1 | 19.1 | 153 | | | |
| Sirt: N-hexadecane | 59 | | 87.60 | | 67.3 | 15 | 176 | | | |
| Sar: Beraolegynese | 19 | _ | 20.00 | | 78.0 | 15 | 198 | | | |
| Sample (D. Keid-11820 | Sampl | ypa: LC | 80 | Tes | Code: E | PA Method | 8270C PAH | 0 | | |
| Charle LC\$507 | Baict | 10.11 | 820 | | iunhis 4 | 2768 | | | | |
| Prep Date: 5/2/2017 | Analysia D | ale: 5 | 10/2017 | 5 | SegNo: 1 | 343410 | Unite: Ug/L | | | |
| Anniym | Result | POL | | SPH Ref Val | 3AREC | LowLine | HighLimit | %RPD | RPDLIMA | Cuel |
| Naphitaleve | 12 | 0,50 | 20,00 | 0 | 60,8 | 37.4 | 120 | 0,660 | 20 | |
| 1-Mattyrapheneric | 13 | 0.50 | 20.00 | - Ö | 62.7 | 35.3 | 121 | 3.14 | 26.8 | |
| 2-Methylnaphthalene | 12 | 0.50 | 20.00 | 0 | 59.2 | 37.8 | 122 | 0 | 23.8 | |
| Accenaciilitylarie | 15 | 0.50 | 20,00 | 0 | 55.1 | 37 | 124 | 0,34 | 28.6 | |
| Arenaphtheme | 18 | 0.50 | 10.00 | 0 | 67.2 | 35.6 | 120 | 0.140 | 27 | |
| Filiprenie | 5.6 | 0.50 | 26,00 | 0 | 69.2 | 35.2 | 122 | 1.46 | 25.7 | |
| Prienanümene | 14 | 0.50 | 20.00 | 0 | 70.6 | 38.8 | 122 | 4.93 | 20 | |
| Anthracene | 14 | 0.50 | 20.00 | 0 | 69.2 | 37.5 | 125 | 4,43 | 21.2 | |
| Fluoranthone | 2.4 | 0.50 | 26,60 | 0 | 70,4 | 37.4 | 131 | 4.80 | 21.8 | |
| Pyrena | 15 | 0.50 | 20.00 | 0 | 75,2 | 27.5 | 140 | 12.4 | 31.1 | |
| Benz(a)anthracene | 14 | 0.50 | 20.00 | 0 | 69.0 | 25.4 | 141 | 2.94 | 26.6 | |
| Chrymens | -13 | 0.50 | 20.00 | 0 | 67.1 | 33.6 | 155 | 8.46 | 21.2 | |
| Benan(i): Benand anna | 18 | 0.50 | 20.00 | ő | 72.7 | 30 | 183 | 3.07 | 20 | |
| | | | | | | | | | | |
| Value exceeds Maxie | - | - | | B Analyte | | | ted Method Bla | -P | | |
| D Sample Diluted Due | | Level. | | | | | | OK. | | |
| | | | | | | titation range ic/rw-pumble | | | Page 7 s | è. |
| | | | | | | | | | | |
| 11 Holding times for pro | | S EXCRO | 4 | | off Marth | | anon conta | | rage r s | |

ACCUMULT DE DEDODT

Holding limits für preparation of analysis exceeded
 Not Detected at the Reporting Limits
 R RPD outside accepted recovery limits
 S % Recovery outside of range due to dilution or matrix

 J
 Analyte detected heline quantization immunity

 P
 Sample pH Nor he Range

 RL
 Reporting Detection Limit

 W
 Sample container temperature is out of limit as specified

| Hall Environmen | tal Anal | ysis 1 | aborat | ory. Inc. | | | | | | 16-Mag-13 |
|--|---------------|-------------|--------------------|-------------|---------------|----------------|------------------|------|---------------|-----------|
| | | | | | | | | | | - |
| | , Miller and | | lics | | | | | | | |
| Project: White I | Lakes Station | 1 | | | | | | | | |
| Somple ID land-51520 | Samp? | YON LO | 36 | Ter | tiGode EP | A Mathod | BETOC: PAH | | | |
| Ulien (D. LCBS02 | Balc | 10. 31 | 520 | | RunNo 42 | 706 | | | | |
| Prep Date: 5/2/2017 | Analysis D | | | | SegNo: 12 | | Units: 40% | 4 | | 1.0 |
| | | | | 1000 | | | | | | A |
| Altonyte Benzok/Ruoraniteae | Fiesul 10 | PQL 0.50 | SPK value 20.00 | SPK Rat Val | bREG 77.7 | LowLimit 38 | NighLimit 154 | 13.8 | RPDLmit 21 | Gual |
| Benzolalownina | 16 | 0.50 | 20.00 | 0 | 72.5 | 38.6 | 154 | 6.26 | 24.8 | |
| Dibenz(a,h)anthracene | 15 | 0.50 | 20,00 | 0 | 74.7 | 39.7 | 153 | 4.94 | 26 | |
| Denzo(g.h.i)perylene | 15 | 0.50 | 20.00 | 0 | 74.9 | 39.6 | 155 | 5.49 | 20 | |
| indeno(1,2,3-od)pyrene | 14 | 0.50 | 20.00 | 0 | 72.2 | 19.1 | 153 | 4.39 | 20 | |
| Surr: N-hexadecane | 66 | | 87.60 | | 75.3 | 15 | 176 | 0 | 0 | |
| Sum Benzo(e)pyrene | 16 | | 20.00 | | 80.3 | 15 | 198 | 0 | 0 | |
| and the owned at the second | | | | | | | | _ | | _ |
| Cample ID m0-01020 | | yy.n. M3 | | | | | RETOG PAH | | | |
| Client ID: PBW | | 10: 31 | | | RunNo 42 | | | | | |
| Prep Date: 5/2/2017 | Analysis D | late: 5 | 10/2017 | | SeqNo: 13 | 43412 | Units: µg/L | | | |
| Amalyni | Result | POL. | SPE value | SPK Ref Vel | MREC. | LowLimit | HighLimit | %RPD | RPDLint, | Qual |
| Naphchalena | ND | 0.50 | | | | | | | | |
| 1-Methylinachthalanú | ND | 0.50 | | | | | | | | |
| L-Memyinaphthakare | ND | 0,50 | | | | | | | | |
| Acemaphilhylenie | ND | 0.50 | | | | | | | | |
| Acenaphthene | ND | 0.50 | | | | | | | | |
| Fluorene | ND | 0.50 | | | | | | | | |
| Phonanthrana | ND | 0.50 | | | | | | | | |
| Anthracene | ND | 0.50 | | | | | | | | |
| Fluoranthene Pyrene | ND | 0.50 | | | | | | | | |
| Pyrena Berlu(A)anth/acirse | ND | 0.50 | | | | | | | | |
| omulajanunokoje Dhrysane | ND. | 0.50 | | | | | | | | |
| Unrysene Benzo(b)fluoranthene | ND | 0.50 | | | | | | | | |
| senzo(k)fluoranthene Benzo(k)fluoranthene | ND | 0.50 | | | | | | | | |
| Benzo(k)euoranmene Benzo(k)eyrene | ND | 0.50 | | | | | | | | |
| Dibenz(a,h)anthracene | ND | 0.50 | | | | | | | | |
| Seruto(p.h.liperylene | ND | 0.50 | | | | | | | | |
| edustry1.2.3.orggmma | ND | 0.50 | | | | | | | | |
| Surr. N-humdecarre | 66 | | 87.60 | | 75.9 | 15. | 176 | | | |
| Sur: Benzo(e)pyrene | 17 | | 20.00 | | 84.2 | 15 | 198 | | | |
| Sum: Benzo(e)pyrene | 17 | | 20.00 | | 84.2 | 15 | 198 | | | |
| Qualifiers: * Value exceeds Maximum | Contiminant | cord. | | B Analyt | e detected an | the accordance | ied Method Bla | nk | | |
| D Sample Diluted Due to N | | a ren | | | above quanti | | | | | |
| 11 Holding times for presser | | especial | al . | | etermi be | | | | Page 8 c | in the |
| | | reading | | | | | a minute | | Falls 9 (| AL & A. |
| NO Not Detected at the Repo | THEFT TANKS | | | P Sample | pH Not In I | Ramon | | | | |

B. Analyse detects in the associated Method Binsk.
 Construction of the second

Page 6 of 11

| QC SUMMAR Hall Environmen | tal Analysis Laboratory, Inc. | 1784C65 16-May-1 |
|---|--|---------------------|
| | Miller and Associates Lakes Station | |
| Somplo ID MB-31683 Client ID: PBW Prep Date: 5/8/2017 Antily(si Nercury | Serrer Type: MDLH TratDobr EPA Method 7410. Messary Batch ID. 31M3 Run4tx. 42613 Analysis Date. Stiff 2017 Seaflo: 1340483 Units: mg/L Resett: POL SPK value SPK Ral Val. LINEEC NU USDER value SPK Ral Val. | Qual |
| Semple ID LCS-31663 Orent ID - LCSty Preo Calla S/8/2017 Analyte Metory | Sertic/Type LCS TraitCoder EPA Method 7476: Mercury Ballor10: 31663 RocrNic 42813 Anilyzed Date SIR/2617 Socie: 134048 Units mg/L Rasult POL SPK value SPK value SRPC 1010 Republic 4010 RocrNic Anilyzed Date SIR/2617 Socie: 134048 Units mg/L RepDir RocrNic POL SPK value SPK value SPK POL RPDUmit GO47 GO2020 D059500 II 94.8 90 120 | Qual |
| Sample ID LCSD-31603 Client ID: LCSS02 Prov Danie, 3/8/2017 Analyte Mercury | SimpType: LCED TestiCoder EPA Method 7478: Mercury Batch ID: 31693 RunNor 42613 Aminysis: Castro 50910; 134466 Units: mgs. Resolt POC. SPK visions SPK Ref Val SREC London. 100: 139: 20 0.0466 0.00050 0.062 80 120 1.39: 20 | Qual |

Page 9 of 11

H Analysis detected in the suscented Mithids Itims
 E. Value shrine canonitation range.
 1 Analysis detected below genomeanian limits
 P Sangels entered below genomeanian limits
 Rangeb ref1 Net for Range
 RL Reporting Detection Itimit
 Sangle contains temperature is out of limit as specified

Qualifier:
 •
 Value reacest: Maximum Lottanium Lottanium

 D
 Sample Dilated Date to Materix
 1

 D
 Mathing their programmation or analysis preceded
 1

 DD
 Text Decords at the Tapersing Limit
 1

 R
 RPD outside accepted recovery limits
 1

 S
 % Recovery outside of mage due to dilution or matrix

QC SUMMARY REPORT QC SUMMARY REPORT WAR Won CIPACITY 17040368 Hall Environmental Analysis Laboratory, Inc. Hall Environmental Analysis Laboratory, Inc. 16-May-17 in-Map-17 C'Hante Souder, Miller and As Clienti Souder, Miller and Associates White Lakes Station Project: White Lakes Station Project: Sample ID MB 31602 TearCode: EPA 64100: Total Recoverable Meters Sample ID LCS-31002 TostCode. EPA 6010B: Total Recoverable Metals SompType MBLH SampType: LCS RunNo: 42612 Chieri ID PBW Batch ID: 31665 Runfic 42812 Client ID: LCSW Batch ID: 31602 Prep Date 5/8/2017 Prep Date: 5/8/2017 Analysis Date: 5/8/2017 SigNo: 1340442 Listin mail. Analysis Date: 5/8/2017 Switho: 1340457 Links: mg/L Result PQL SPK value SPK Rul Val 16REC LowLinit HighLinia 16RPD RPDLims Qual 0.50 0.020 0.5000 0 101 807 120 Analyte Banum Result POL SPK value SPK Ref Val %REC LowLinit HighLond %RPD RPDLinit Qual ND 0.020 Analyse Cadmium ND 0.0020 Sample D. LCSD-31602 SampiType LCSD TestCode: EPA 60108: Tatel Reco Chromium ND 0.0060 Lead ND 0.0050 Client ID. LCSS02 Batch ID: 31802 RunNo: 42612 Selenium ND 0.050 Analysis Date: 5/8/2017 SegNo: 1340458 Units: mg/L Prep Date: 5/8/2017 Shirt ND 0.0050 Result PQL BPK reliase SPK Rel Val MREC LowLimit HighLimit %RPD (RPDLimit Queet 0.50 6.480 0.500d 0 101 80 120 0.208 20 Analyte Sample ID LCS-31602 SampType: LCS Tes/Colin: EPA 60108: Total Recoverable Metals Chief ID. LCSW Balen ID: 34602 FlunNo: 42612 Analysis Dala 5/8/2017 vep/Dete: 5/8/2017 20014n 1340445 Units. mark Resil POL SPK_water SPK Ref Val %REC LowLimit 3 Vit/REC 0 100 80 4 0.5000 0 101 80 Anniyin Kesam Cadmium HighLimit %RPD RPDLimit Goal Ē -0.50 0.0020 120 0.60 0.0060 0.5000 Chronikure 100 80 120 Lent 0.50 0.0050 0.5000 80 120 0.51 0.050 102 0.5000 120 0.10 0.0050 Silver 102 80 120 Simple ID LCSD-31692 SampType LCSD TestCode: EPA 6010B: Total Recoverable Metals Client ID: LCS552 Batch ID 31602 RunNo: 42612 Analysis Date: 6/8/2017 Wep Date: 5/8/2017 SeqNo: 1340444 Annityte Banum Cadmium Rasue POL SPR value SPR Ref Vol %REC LowLind HighLinet %RPD RPDLinet Case 0.51 0.000 0.5600 0 103 80 120 2.46 50 0.51 0.020 0.6000 0.51 0.0020 0.5000 0.51 0.0000 0.5000 0.51 0.0050 0.5000 0.51 0.0050 0.5000 0.51 0.0050 0.5000 0.51 0.0050 0.5000 0.50 0.0500 0.5000 0.10 0.0050 0.1000 2.46 0.818 1.51 1.65 1.51 102 102 103 80 80 80 120 120 120 20 20 20 .ead elaniere 0.50 101 80 120 20 120 2.08 SampType: MBLK Bauch ID: 31662 Sample ID MB-31602 TestCode: EPA 6010B: Total Recoverable Me int ID. PBW Ponte -izoiz Prep Date: 5/6/2017 Analysis Date: 58/2017 Section 1340455 Units molt Result PGL SPK velue SPK Ref Vel %REC LowLimit HighLimit %RPD RPDLimit ND 0.020 Analyte Judifers: • Value created Maximum Consummant Level. D Sample Dihated Due to Marix H Holding times for preparation or analysis enceeded Net Detected of the Reporting Linear Net Detected of the Reporting Linear R RPD outside accepted recovery limits § % Recovery outside of range due to dilution or matrix Analyse detected in the manufated Nethed Blank Value alone quantitation range Analyse detected Seleve quantitation (mills Sample jelf Seleve quantitation (mills Sample jelf Seleve) Reporting Detection Limit W Sample container temperature is out of limit as spece Value extents Maximum Conum and Tarted B Analyze detected in the associated Method Blank Value extensis Maximum Lotumname access. Sample Distand Dan in Marix Holding terms for preparation or analysis extended. Not Detected at the Reporting Limit RPD outside accepted recovery limits Analyte detected in the associated Method B Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Detection Limit Sample container temperature is out of limit Page 11 of 11 Page 10 of 11 e accepted recovery limits outside of range due to dil is out of limit as specified e is out of limit as specified 9/36/17 State of New Mexico District I 1625 N. Jernich Dr., Hobin, NM 88240 Form C-138 Energy Minerals and Natural Resources Oil Conservation Division District II 1301 W. Grand Avenue, Arterna, 564 88210 Surface Waster Managemer and Generative Abilities documentation available for mi Facility Operator initian and make this Sterna III 600 Ris Binann Rond, Alline, NAS 97410 1220 South St. Francis Dr. Santa Fe, NM 87505 HALL Hall Environmental Analysis Labor Diamer IV 1020 S. St. Femicie Dr., Santa Fa. NM 87505 4901 Herekins NE REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 400mperspin, VM 83100 TEL: 505-543: 5075 FAX: 505-545-6107 ANALYSIS 1. Generator Name and Address: Entern ise Field Services, LLC, 014 Keilly Ave, Parmington NM 87401 we wooh Originating Site: MAPL Mesa Pumping Station 2. May 16, 2017 Location of Material (Street Address, City, State or ULSTR): 17. If Section 13 Township 45 North Range 22 East; 33.964397, -104.581023 Ashley Maxwell Souder, Miller and Associates 401 W. Broadway Farmington, NM 87401 Source and Description of Waste: Source and Description of Waste: Water/Oil from the Non Exempt WasteWater Tanks and from the compressor wild distant. Description: Non Exempt WasteWater from the compressor wilds. Estimated Volume: <u>80</u> _yd¹ (bb) Roown Volume (to be entered by the operator as the end of the hasti) 25 TEL: (505) 325-5667 St. NO FAX (505) 327-1496 GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS RE: Mesa Station BGT OrderNo.: 1704C70 Thomas Long²⁶⁻²⁴, representative or authorized agant for Enterprise Products Operating do hereby Generator Structure certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) , representative or authorized agent for Enterprise Products Operating do hereby Dear Ashley Maxwell Hall Environmental Analysis Laboratory received I sample(s) on 4/28/2017 for the RCRA Exernse. Oil field weaks generated from oil and post-splitation and production operations and are not mixed with nur-exempt waste Operator Use Only: Waste Acceptance Programmer Monthly || Woodly || Per Lund analyses presented in the following report. ELEA Non-Evenpri: Oil field wante which is uon-luzardous that does not seeved the minimum standards for waste hazardous characteristics established in RCRA regulations, 40 CFR 261 21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart. O, as mended. The following documentation is attached to demonstrate the above-described wasie is non-luzardous. (Cit the appropriate tierna) These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hullenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. . (Cherk See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifies or a narrative will be MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as L. Thomas Long 2 - - - - - - - - , representative for Enterprise Products Operating authorizet <u>Agua Moss, LLC</u> in complete Generator Signature the required testing/sign the Generator Waste Testing Certification. received, interso otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time. Please don't hesitate to contact HEAL for any additional information or clarifications. of the representative samples are attached 19.15.36 NMAC. 5. Transporter: To Be Determined ADHS Cert #AZ0682 - NMED-DWB Cert #NM9425 - NMED-Micro Cert #NM0190 OCD Permitted Sprface Waste Management Facility Sincerely, 1.0 Name and Facility Permit #: "Agua Moss, LLC - Permit #: NM-01-009 Address of Facility: SW/4 NW/4 Section 2, Township 29N, Range Crouch Mesa, NM and Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analysis | Labora | tory, Inc. | | | Analytical Report Lab Order 1704C70 Date Reported: 5/16/201 | 17 |
|---|-----------------|------------|---------------|---------------|---|----------|
| CLIENT: Souder, Miller and Associates Project: Mess Station BG1 Lak (D) 1704C70.001 | | AQUEOUS | | Date: 4/2 | sia Statico 6/2017 9:40:00 AM 3/2017 9:30:00 AM | |
| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 7470: MERCUNY | | | | - | Autalysi. | MED |
| Mercury | ND | 0.00000 | mah | 3 | 5/8/2017 3:16/07 PM | stens |
| EPA 60108: TOTAL RECOVERABLE ME | TALE | | | | Anaport | ALC: N |
| Anienic | ND | 5.0 | Tem | | 5/9/2017 11:26:24 AM | 31607 |
| Benum | ND | 100 | mgn. | | 5/9/2017 11:26:24 AM | 31802 |
| Cadmium | ND | 1.0 | | 1 | 5/9/2017 11:26:24 AM | 31602 |
| Chromium | ND | 1.0 5.0 | mg/L moli. | 1.1 | 5/9/2017 11:26:24 AM | 31602 |
| Louit | ND | 6.0 | mgit. | | 5/9/2017 11:26:24 AM 5/9/2017 11:26:24 AM | 31602 |
| Selenium | ND | 1.0 | mail | 1 | 5/9/2017 11:26:24 AM | 31602 |
| Silver | ND | 50 | mgiL | | 5/9/2017 11:25:24 AM | 31602 |
| EPA METHOD 0270C PAHS | | | 100 | | Analyst | |
| | | | C1 1 | 0.1 | | |
| Naphthalene | ND | 0.50 | µg/L | 1 | 5/10/2017 2:40:43 PM | 31520 |
| 1-Methylmstillinimm 2-Methylmstillinimm | ND | 0.50 | LOL | 3 | 5/10/2017 2:40:43 PM | 3+520 |
| Acenaphthylene | ND | 0.00 | PUPL | 1 | 5/10/2017 2.40.43 PM | 31520 |
| Acenaphthylene | ND ND | 0.50 | ug/L | 1 | 5/10/2017 2:40:43 PM 5/10/2017 2:40:43 PM | 31520 |
| Faurure | NO | 0.50 | HOL | | 5/10/2017 2:40:43 PM | 31520 |
| Phenanilyman | ND | 0.50 | ugit | | 5/10/2017 2:40:43 PM | 31520 |
| Anthracene | ND | 0.50 | ug/L | | 5/10/2017 2:40:43 PM | 31520 |
| Panagrapan | ND | 0.60 | ugit. | 1 | 5/10/2017 2:40:43 PM | 31520 |
| Pwere | ND | 0.50 | LIGH. | | 5/10/2017 2:40:43 PM | 31520 |
| Beniz(a)antimacama | ND | 0.50 | Ug/L | | 5/10/2017 2:40:43 PM | 31520 |
| Chrysene | ND | 0.50 | ug/L | | 5/10/2017 2:40:43 PM | 31520 |
| Benzoib/luceanthene | NO | 0.50 | 491 | | 5/10/2017 2:40:43 PM | 01520 |
| Banzo(k)fluoranihens | NO | 0.50 | ppL | | 5/10/2017 2:40:43 PM | 31520 |
| Benzo(a)pyrene | ND | 0.50 | HOL | 1 | 5/10/2017 2:40:43 PM | 31520 |
| Orbuna(a,h)wrinnesawi | NO | 0.50 | 100 | 4 | 5/10/2017 2:40:43 PM | 31520 |
| Bencolg hulperview | NO | 0.50 | Light . | 1.1 | 1/10/2017 2:40 43 PM | 31520 |
| Indono(1,2,3-cd)pyrene | NO | 0.50 | Hat | T | 5/10/2017 2:40:43 PM | 31520 |
| SUT N-himutonginn | 4.60 | 15-1/0 | TuRec | 1.1 | 5/10/2017 J240(43 PM | 31520 |
| Surr Benackerssynerie | 67 A | 15-196 | NARC . | | 5/10/2017 2:40 A3 PM | 31670 |
| EPA METHOD 82508: VOLATILES | | | | | Analyst | inte |
| Benzens | ND | 200 | 100 | 004 | 4/28/2017 5:38:00 PM | R42151 |
| Toloana | ND | 200 | val | | 4/28/2017 5:36.00 PM | R42451 |
| Ethylbenzene | ND | 200 | ug/L | | 4/28/2017 5:38:00 PM | R42451 |
| Malhyl (art-build ather (MYBE) | NO | 200 | UNI. | | 4/28/2017 5 36 00 PM | B42451 |
| 124 Trmsthebenzene | NO | 300 | ingl. | | 4/28/2017 5:36 00 PM | R42451 |
| 1.3.5-Trimetoyopenzone | ND | 200 | Log. | | 4/29/2017 5:36:00 PM | R42451 |
| 1.2-Ochiloroeswine (EDC) | ND | 200 | I/O/L | | 4/28/2017 5:36:00 PM | H42451 |
| Refer to the QC Summary report an | d sample los | | | | | |
| | | | | _ | | _ |
| Qualifiers: * Value exceeds Maximum Cor | | 1. | | | he associated Method Blank | |
| D Sample Diluted Due to Matri U Holding times for metamation | | (11) III | E Value ab | sove quantit | ation range | |
| | | COVER S | J Amhler | ouncied bei | ow quarmining limits Page | 1 of 11 |
| ND Non Descend at the Reporting | | | P Lampley | di Norin R | action . | |
| R RPD outside accepted recover | | | | g Detection | | |
| S % Recovery outside of range | due to dilution | or mainx | w Sample o | container ter | operature is out of limit as s | pecified |

| Hall Environmental Analysi | Labora | tory, Inc. | | Analytical Report Leb Order 1704C70 Date Reported: 5/16/10 | 47 |
|--|--------|------------|------------|---|---------|
| CLIENT: Souder, Miller and Associates Project: Mean Station BGT Lab (D): 1704C70-001 | Matrix | AQUEDUS | Collection | de ID; Mesa Station Date: 4/26/3017 9:40:60 AM Date: 4/38/2017 9:40:68 AM | |
| Analyzes | Result | PQL Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD 82605: VOLATILES | 100 | | | Analysi | rde |
| n-Butylberiziene | ALC: N | 600 | Light | 200 4/28/2017 5:36:00 PM | FI42451 |
| n-Propylbenitene | ND. | 200 | HOL | 200 1/25/2017 5:36:00 PM | B42451 |
| sec-Burybonnon | ND | 200 | HOL | 200 4/25/2017 5:36:00 PM | R42451 |
| Slytenu | ND | 200 | LOT. | 200 4/20/2017 5:36:00 PM | R42451 |
| tert-Buty/bunzerer | ND | 200 | ugi | 200 4/28/2017 5:36:00 PM | R42451 |
| 1,1,1,2 Tetrachincouthana | ND | 2000 | HER. | -200 4/28/2017 # 36 00 PM | R42451 |
| 1.1.2.2-Teli schovnet/igne | ND | 400 | UGA. | 200 4/28/2017 5:36:00 PM | R42451 |
| Totrachimaethene (PCE) | ND. | 500 | HOT | 200 4/26/2017 5:35:00 PM | R42451 |
| Inne-COCC- | AND | 200 | +9% | 200 4/28/0017 5:36:00 PM | 942451 |
| Irans-1.3-Dichlorievopena | ND | 200 | Light. | 200 4/25/2017 5:36:00 PM | R42451 |
| 1,2,3-Trichlorobenzene | ND | 200 | HOL | 200 Ar26/2017 5 36 00 PM | R42451 |
| 1,2.4-Trichkpopenzene | NO | 200 | Jugit. | 200 4/29/2017 5 36 00 PM | R41451 |
| 7.1.1-Trichicroethure | ND | -200 | NOR | 200 4/28/2017 5:36:00 PM | R42451 |
| 1,1,2-Trichioroethane | ND | 200 | µg/L | 200 4/28/2017 5:36:00 PM | R42451 |
| Trichloroethene (TCE) | ND | 200 | µg/L | 200 4/28/2017 5:36:00 PM | R42451 |
| Trichorsfluorsneihune | ND | 200 | DOL | 200 4/28/2017 5:56:00 PM | FH2401 |
| 1,2,3-Trichié/epropanie | ND | 400 | HBY | 200 4/26/2017 5:36:00 PM | R42451 |
| Vinyl chloride | ND | 200 | µg/L | 200 4/28/2017 5:36:00 PM | R42451 |
| Xylanas Tolal | ND | 300 | NO/L | 200 A/28/2017 5;36:00 PM | R42451 |
| Sun 1.2-Dishlorselfinne-d4 | 87.0 | 76-130 | 6.Ebse | 200 3/26/00/27 6/36/00 PM | BADAKS |
| Sur: 4-Bromofluoroberzene | 101 | 70-130 | NFRec | 290 4/28/2017 5:36:00 PM | R42451 |
| Sur Disunctionsmemory | 1998.7 | 70-1:30 | THRec | 200: 4/28/2017 5:30:00 PM | R42451 |
| fium: Tokame-db | 104 | 70-130 | 1.Nec | 200 #728/2017 5:5W/00 PM | R42451 |
| | | | | | |

- Willie Conceller Monimum Contempor regime revealed
 Value Conceller Monimum Contempor Level.
 Sample Discolar Date to Marini
 Holding times for preparation in sonitypic securities
 N No Downside at the Dopering Contemporation
 R IPD masside accepted recovery limits
 S % Recovery institute of range due to fullyies or masses
- Analyse descend in the suscended Method Blank
 E Value above quantitation range
 mention
 E Value above quantitation range
 mention
 Analyse descend labore quantitation limits
 Page 3 of 11
 P Suspect PL Net is Range
 R. Reporting Descriptor Limit
 P Range PL Net is Range
 Reporting Descriptor Limit
 P Suspect PL Net is Range
 Reporting Descriptor Limit

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Analytical Report Lab Order 1704C70 Date Reported: 5/16/2011 Hall Environmental Analysis Laboratory, Inc.

| Project: Mess Station DGT Lah ID: 1704C70-001 | Matrix: | AQUEOUS | | Date: 4/26/2017 9:40:00 AM Date: 4/28/2017 9:30:00 AM | |
|--|---------|----------|--------|--|--------|
| Analyses | Result | PQL Qual | Units | DF Date Analyzed | Batch |
| EPA METHOD 62008: VOLATILES | | | | Analysi | rda |
| 1.2-Oibranneihene (EDB) | ND | 200 | USA. | 200 4/29/2017 5 36:00 PM | 84349 |
| Naphihalone | ND | -400 | Lak | 200 4/20/2017 5:36:00 PM | R4240 |
| 1-Methyinaphthalene | ND | 800 | HQ/L | 200 4/28/2017 5:36:00 PM | R4245 |
| 2-Methylnaphthalene | ND | 800 | ug/L | 200 4/28/2017 5:36:00 PM | R424 |
| Acètore. | ND | 2000 | Joy. | 200 4/28/2017 5 96:00 PM | R424 |
| Bromobenue | AID. | 200 | Jeu | 200 4/28/2017 5:36:00 PM | R424 |
| Bromodichloromethane | ND | 200 | ug/L | 200 4/28/2017 5:36:00 PM | R424 |
| Bromoleiun | ND | 200 | Jou | 200 4/28/2017 5:36:00 PM | R124 |
| Bromomatre | ND | 600 | Juni | 300 4/28/2017 5 36 00 PM | R424 |
| 2-Butanone | ND | 2000 | . Nov | 200 4/28/2017 5:3E:00 PM | R4245 |
| Cleritury clautificar | NO | 2000 | U0/L | 200 4/26/2017 5:30:00 PM | HAZAS |
| Carbon Telmonionio | ND | 700 | MB/L. | 200 A/28/2017 5-38-00 PM | R4245 |
| Chlorobenzene | ND | 200 | Joh. | 300 4/28/2017 5-38:00 PM | R4245 |
| Chlorosthans | ND | 400 | Pg/L | 200 4/20/2017 5.30.00 PM | R424 |
| Chloroform | ND | 200 | µg/L | 200 4/28/2017 5:36:00 PM | R4245 |
| Chloromethrum | NO | 600 | PD/L | 200 4/28/2017 5.36:00 PM | R424 |
| 2-Chininisium | NIC | 200 | LOL | 200 4/28/2017 5.36:00 PM | R424 |
| 4-Chierotolunini | ND | 200 | ED/L | 200 4/28/2017 5:36:00 PM | R4245 |
| TB-1,2-DGE | ND | 200 | sig/L | 200 4/28/2017 5 36:00 PM | FIGH |
| cal-13-Dicridings openin | ND | 200 | POL | 200 4/28/2017 5 36.00 PM | R4243 |
| A.2-Bibxone-3-chloroptopane | ND | 400 | ugi | 200 4/28/2017 5:36:00 PM | R424 |
| Distamochionamethane | ND | 200 | UgiL | 200 4/28/2017 5:36:00 PM | M4240 |
| Dibromomethane | ND | 200 | LOU | 200 4/28/2017 5:36:00 PM | R4245 |
| 1.2-Dichlorohenzene | ND | 200 | Ligh. | 200 4/26/2017 5:35 00 PM | R4245 |
| 1,3-Dinistrational and a second | ND | 200 | rgt | 200 4/28/2017 8:36:00 PM | 114240 |
| 1,4-Dichlorobenzene | ND | 200 | LOL | 200 4/28/2017 5:36:00 PM | R4248 |
| Dichiotedifluctomethane | NO | 200 | LOL | 200 #(26(2017 5:36 00 PM | R4248 |
| 1, 1-Dichlorsethame | MD. | 200 | upL | 200 4/35/2017 5-38 00 PM | R4245 |
| 1.1-Dichloroethenu | ND | 200 | 101. | 200 4/25/2017 5:38:00 PM | R4245 |
| 1,2-Dichloropropane | ND | 200 | µg/L | 200 4/28/2017 5:36:00 PM | R4245 |
| 1,3-Dichloropropane | ND | 200 | Jugit | 200 4/28/2017 5:36:00 PM | R4245 |
| 2.3-Dichbravopane | NO. | 400 | 091. | 200 4/28/2017 5:38:00 PM | R4248 |
| 1,1-Dictridropropens | ND | 200 | µgit. | 200 4/25/2017 5:36:00 PM | 184243 |
| Hexachlorobutadiene | ND | 200 | µg/L | 200 4/28/2017 5:36:00 PM | R4245 |
| 2-Heikanone | ND | 2000 | 199L | 200 4/26/2017 5:36:00 PM | R4245 |
| Hindrop Apenderse | ND. | 200 | such | 200 4/26/2017 5:35:00 PM | R424! |
| A-leopropyllokienie | ND | 200 | MOL | 200 4/28/2017 5:36:00 PM | R4248 |
| +-Mellini-2-perionnine | NU | 2000 | JUG/L | 200 4/28/2017 5/38:00 PM | H4242 |
| Metrodenic Chloride | ND. | 660 | 1/3/1. | 200 4/26/2017 5/38/00 PM | R4245 |

Qualifiers:

Volve etiveds Meximum Castaniana Level.
 B Audys detected in the associated Method Black
 D Simple Dilated Dae to Marie
 E Value above quantitation range
 Hotolag turne for preparation or analysis exceeded
 J Audys detected a the Resourcing Limit
 P Simple of Nea Dealer quantitation range
 R RPD consider a credit acrease recovery simits
 S % Resource substance of the similar or many
 Komple cetatine's representer to out of third as appendent

| | Car Millin | y 110 1 | Canorat | ory, Inc. | | | | | - | Th-Mon-JS |
|------------------------------|------------------------------|----------|-----------|-------------|-----------|-----------|-------------|--------|-----------------|-----------|
| | r, Miller and Station BGT | | niss | | | | | | | |
| Sample ID 100mg lea | Semp' | Fyper La | 29 | Tes | Code: E | PA Method | SZOOB VOL | ATILES | | |
| Climit ID: LCSW | Bald | NID: RA | 12451 | 6 | tuntiol 4 | 2451 | | | | |
| Prep Data: | Analysis | | | | ingNoi 1 | | Units: µg/L | | | |
| Analyte | Read | POL | SPR value | SPK Raf Val | BRED | LowLantt | HighLimit | THPD | RPDLinit | Dual |
| Seazone | 21 | 1.0 | | 0 | 105 | 70 | 130 | | | |
| Tokene | 22 | 1,0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| Chiomheinteane | 23 | 1.0 | 20.00 | 6 | 114 | 70 | 130 | | | |
| 1,1-Dichlorgethene | 22 | 1.0 | 20.00 | 0 | 110 | 70 | 130 | | | |
| Trichloroethene (TCE) | 21 | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | | |
| Sur 1,3-Dichlorothaw-d4 | 8.0 | | 10.00 | | 85.7 | 70 | 130 | | | |
| Sur: 4-Bromofisorobanzana | 10 | | 10.00 | | 102 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 100 | 70 | 130 | | | |
| Son: Jolvene-d8 | 10 | | 10.00 | | 105 | 70 | 130 | | | |
| Sample ID m | Bamp | Type M | BLK | Tes | Code: E | PA Method | 8200B: VOL | ATILES | | |
| Ginen ICI PEW | | ND R | | | univo: 4 | 2451 | | | | |
| Prep Date | Analysis I | | | | iegNio 1 | | Une por | | | - |
| Anabite | Read | POL | SPK value | SPK Ref Val | MREC | LowLinit | HighLine | SURPO | RPOLimit | Oval |
| Benzene | ND | 1.0 | | | | | - | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Walkyl len-kotyl amar (MTBE) | ND | 1,0 | | | | | | | | |
| 1,2,4-TransingBunzanie | ND | 1.0 | | | | | | | | |
| 1,3,5-Trimethybenzene | ND | 1.0 | | | | | | | | |
| 12-Dicklonetherw (EDC) | ND | 1.0 | | | | | | | | |
| 2-Official (ECE) | ND | 1.0 | | | | | | | | |
| Naphthelierie | ND | 2.0 | | | | | | | | |
| -Methyhaphthaiene | ND | 4.0 | | | | | | | | |
| 2-Methylnaphthalene | ND | 4.0 | | | | | | | | |
| Acetone | ND | 4.0 | | | | | | | | |
| Romoboneono | ND | 1.0 | | | | | | | | |
| Bromodichloromethane | ND | | | | | | | | | |
| | | 1.0 | | | | | | | | |
| Bromoform Bromomethane | ND | 1.0 | | | | | | | | |
| -Butanone | ND | 3.0 | | | | | | | | |
| | ND | 10 | | | | | | | | |
| arbon disulfide | ND | 10 | | | | | | | | |
| Carbon Tetrachloride | ND | 1.0 | | | | | | | | |
| Chloroberizone | ND | 1.0 | | | | | | | | |
| thioroethane | ND | 2,0 | | | | | | | | |
| Chloroform | ND | 1,0 | | | | | | | | |
| Chicromethane | ND | 3.0 | | | | | | | | |
| 2-Chlorotoluene | ND | 1.0 | | | | | | | | |

Remonstrations 2-Butanone Carbon disuifide Carbon Tetrachá Chiorobenzone Chiorobenzone Chiorobenane Chioroform Chioromethane

2-Chlorololuene

 Qualifier:
 •
 Value executi Movimum Contaminated Local.

 D
 Sample Dahard Dae to Marris
 •

 T
 Mode grant for projectations or adaptive exceeded.

 ND
 Note Doese's at the Reporting Limit.

 R
 RPD onlike accepted movemprise inits.

 S
 % Recovery onlike of range due to dulation or matrix.

II Analytic detected as the assurement Manimal Hanni
 Value strong quantitation reages
 Analytic directions thefting quantitation in this gamma in the strong of the strong the strong stro

Page 4 of 11

| QC SUMMAR Hall Environmen | | | y, Inc. | | Wray, | 1704076 6-May-17 | | C SUM | | 10 Y Y Y Y | | borato | ry, Inc. | | | | WO. | 17940 16-May |
|------------------------------|--------------------------------|-----------------|--|--------------------------------|--------------|---------------------|-------|-----------------------------|-----------------|---------------------------|---------------|-----------|--------------|-------------------|---------------------|--------------|---------|-----------------|
| | r, Miller and / Station BGT | Associates | | | | | Clia | ject: | | Miller and a stion BGT | Associates | 5 | | | | | | |
| Sample IT ap | SampT | PP: MOLK | TeciCide: EPA Metha | d Barda VOLATILES | | _ | Sar | ngle ID vik | | SampT | ype; MBL | k. | Tost | oden EPA Met | od 8258B; Yo | ATLES | | |
| Client ID: PBW | Batch | ID: R42451 | RunNe: 42451 | | | | Chi | WEN COL PRE | | Batch | ID: R424 | 81 | Ru | No: 42451 | | | | |
| rep Date: | Analysis D | ale 4/28/2017 | SegNo: 1334831 | Unite: µg/L | | | Pre | p Dwim | | Analysis D | ant: 4/28 | 2017 | 50 | NO: 1334631 | Units up | 2 | | |
| Artialyte | Result | POL SPR VIAN SI | PK Ref Val NREC LowLim | - HighLimit %RPD | RPDLimit | 20(8) | Ani | dybli | | Result | POL S | PK villan | SPK Ref Val | REC LOWL | | | RPOLimi | Quil |
| Chlorotoluene | ND | 1.0 | | | | | Vinyi | cnioride | | ND | 1.0 | | | | 200 | | | |
| 1,2-DCE | ND | 1.0 | | | | | | es, Total | | ND | 1.5 | | | | | | | |
| ,3-Dichloropropene | ND | 1.0 | | | | | | m 1,2-Dichloroet | | 3.0 | | 10.00 | | | 751 130 | | | |
| Noromo-3-chloropropane | ND | 2.0 | | | | | | ir: 4-Bromofiluoro | | 10 | | 10.00 | | | 70 130 | | | |
| mochloromethane | ND | 1.0 | | | | | | rr: Dibromofluoro | omethane | 10 | | 10.00 | | | 70 130 | | | |
| mornelinant | ND | 1.0 | | | | | Su | rr: Toluene-d8 | | 10 | | 10.00 | | 104 | 70 130 | | | |
| enetnidation | ND | 1.0 | | | | | | | | | | | | | | | | |
| Childrobiloutine | HD | 1.0 | | | | | | | | | | | | | | | | |
| chiurobynzenie | NO. | 1.0 | | | | | | | | | | | | | | | | |
| submount to | ND | 1.0 | | | | | | | | | | | | | | | | |
| hloroethane | ND | 1.0 | | | | | | | | | | | | | | | | |
| loroethene | ND | 1.0 | | | | | | | | | | | | | | | | |
| hloropropane | ND | 1.0 | | | | | | | | | | | | | | | | |
| loropropane | ND | 1.0 | | | | | | | | | | | | | | | | |
| loropropane | ND | 2.0 | | | | | | | | | | | | | | | | |
| ropropene | ND | 1.0 | | | | | | | | | | | | | | | | |
| rolutademi | ND. | 1.0 | | | | | | | | | | | | | | | | |
| | NO | 10 | | | | | | | | | | | | | | | | |
| ensene | ND | 1.0 | | | | | | | | | | | | | | | | |
| foluene | ND | 1.0 | | | | | | | | | | | | | | | | |
| 2-pentanone | ND | 10 | | | | | | | | | | | | | | | | |
| e Chloride | ND | 3.0 | | | | | | | | | | | | | | | | |
| nauhe | ND | 3.0 | | | | | | | | | | | | | | | | |
| enzene | ND | 1.0 | | | | | | | | | | | | | | | | |
| Vienzene | ND | 1.0 | | | | | | | | | | | | | | | | |
| Aner Conte | ND | 10 | | | | | | | | | | | | | | | | |
| Renzone | ND | 1.0 | | | | | | | | | | | | | | | | |
| eirachkiroeihane | ND | 1.0 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Tetrachloroethane | ND | 2.0 | | | | | | | | | | | | | | | | |
| loroethene (PCE) | ND | 1.0 | | | | | | | | | | | | | | | | |
| 2-DCE | ND | 1.0 | | | | | | | | | | | | | | | | |
| .3-Dichloropropene | ND | 1.0 | | | | | | | | | | | | | | | | |
| Trahlandoimtunne | ND | 1.0 | | | | | | | | | | | | | | | | |
| Trichiomoercene | ND | -01 | | | | | | | | | | | | | | | | |
| Inchioroelinater | ND | 1.0 | | | | | | | | | | | | | | | | |
| Inchioroethane | ND | 1.0 | | | | | | | | | | | | | | | | |
| loroethene (TCE) | ND | 1.0 | | | | | | | | | | | | | | | | |
| lorofluoromethane | ND | 1.0 | | | | | | | | | | | | | | | | |
| Trichiloropropane | ND | 2.0 | | | | | | | | | | | | | | | | |
| liffers: | | | | | | | | liflers: | | | | | | | | | | |
| Value exceeds Maximu | on Contaminent I | nut. in | 8 Analyse detected in the assoc | inted Method Blank | | | Qua | | ds Maximum 4 | Contaminant I | invel | | B Analyte d | nated in the ere | ciated Method E | lineir | | |
| Sample Diluted Due to | | | Analyse detected in the associ Value above quantitation ran | | | | | | ated Due to Ma | | evel. | | | | | Manik | | |
| Midding times for prepa | | | | | Barry 6 . 24 | | D | Sample Dilu Holding time | | | Donalda P | | | ve quantitation n | | | | |
| Not Detected at the Rep | | | | Comments interim | Page 5 of 1 | | | | | | Creations . | | | | Carloos melli | | Раде б | ar 11 |
| | | | and the fact on the standing | | | | | Not Detected | | | | | | Not In Range | | | | |
| RPD outside accepted p | | | L Reporting Detection Limit | | | | R | | e accepted reco | | | | RL Reporting | | | | | |
| S % Recovery outside of | range due to dilat | ion or matrix | W Sample container temperature | e is out of limit as specified | | | s | % Recovery | outside of ran | ge due to dilut | tion or matri | IX | W Sample co | ntainer temperat | are is out of limit | as specified | | |

- B Analyte detected in the associated Method Blank
 Value above quantifation range
 A Aulyte leaded before quantifation Hitting
 Sample qH Noc In Range
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 W Sample container temperature is out of limit as specified

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18-Mars17

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QC SUMMARY REPORT Wett. 1704070 Hall Environmental Analysis Laboratory, Inc. 16-May-17 Client: Souder, Miller and Associates Project: Mesa Station BGT Sample ID Aus 21620 SompType: LOS Boloh ID: 31520 TestDode: CPA Method 82708: PAIls Climit ID: LCSW RunMo: 42768 Prep Date 5/2/2017
 Analysis Date:
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 Analysis Date: 5/16/2017 SaqNo: 1343408 Units: jug/L Analyte Negroteese I-Melhyteptitelere Asnayhteptitelere Asnayhtene Fissere Einsertere Einsertere
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 Qualifier:
 •
 Value receeds Maximum Consuminant Level.

 D
 Sample Diluted Date to Maaris
 Illustration for preparation or ansigne excited of MDD Set Detected as the Repering Lines

 PD
 Sate Detected as corped recovery limits
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 R
 RPD onlide accepted recovery limits
 S

 S
 % Recovery outside of range due to dilution or matrix
 B Analyte detected in the associated Method Hank
 E Value above quantitation range
 Analyte detected below quantitation range
 Somye's eff two to Ronge
 EL Reporting Detection Limit
 Somyle container temperature is out of limit as specified Page 7 of 11

| QC SU | MMARY REPORT | 254000 |
|---------|---------------------------------------|--------|
| Hall En | vironmental Analysis Laboratory, Inc. | |
| Chicat- | South Miller and Associate | |

| | Samp | lyn= M | 200 | Tes | Code E | PA Method | 8270C. PAH | 2 | | |
|---|------------|---------|-----------|-------------|----------|-----------|-------------|-------|----------|-------|
| Client ID LCSSRZ | Bato | 10 3 | 520 | F | LUMNE: 4 | 2700 | | | | |
| Prep Date: 5/2/2017 | Analysis I | inter 6 | /10/2017 | 5 | ingNo: 1 | 343410 | Units: µg/L | | | |
| Analyte | Riscil | POL | | SPK Ret Vol | KREC. | LowLinit | HanLine | 1/RPD | RPOLINE | Child |
| Nervito(R)/fluorem/Nerve | 10 | 0.50 | 20.00 | 0 | 77.7 | AE. | 154 | 13.8 | 21 | |
| ienzolalarymme | 14 | 0.50 | 20.00 | a | 72.5 | 38.0 | 150 | 0.20 | 24.8 | |
| Noenz(a,h)anthracene | 15 | 0.50 | 20.00 | 0 | 74.7 | 39.7 | 155 | 4.94 | 26 | |
| Senito(g,h,i)perylene | 15 | 0.50 | 20.00 | 0 | 74.9 | 39.6 | 154 | 5,49 | 20 | |
| ndeno(1,2,3-od)pyrene | 14 | 0.50 | 20.00 | 0 | 72.2 | 19.1 | 153 | 4.39 | 20 | |
| Surr N-hoxadecsine | 66 | | 87.60 | | 75.3 | 15 | 176 | 0 | 0 | |
| Sur Benznijajovrena | 16 | | 20.00 | | 80.3 | 15 | 198 | 9 | 0 | _ |
| Sample 10 mil-31520 | Samp | Type: M | BLK | Two | Godin E | A Meshand | 8270G PAH | 2 | | |
| Client ID: PBW | Base | 10.31 | 530 | F | lunNo d | 2700 | | | | |
| Prep Date: 5/2/2017 | Analysis (| Dale: 5 | /10/2017 | 5 | legNo: 1 | 343412 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| aphthalene | ND | 0.50 | | | | | | | | |
| Mathylhaphthalene | ND | 0.50 | | | | | | | | |
| Methylnaphthalene | ND | 0.50 | | | | | | | | |
| cenaphthylene | ND | 0.50 | | | | | | | | |
| xenaphthene | ND | 0.50 | | | | | | | | |
| Jorene | ND | 0,50 | | | | | | | | |
| enanthrene | ND | 0.50 | | | | | | | | |
| thracene | ND | 0.50 | | | | | | | | |
| Joranthene | ND | 0.50 | | | | | | | | |
| vrene | ND | 0.50 | | | | | | | | |
| enz(a)anthracene | ND | 0.50 | | | | | | | | |
| hrysene | ND | 0.50 | | | | | | | | |
| enzo(b)fluoranthene | ND | 0,50 | | | | | | | | |
| enzo(k)fluoranthene | ND | 0.50 | | | | | | | | |
| ionzo(a)pyrono | ND | 0,50 | | | | | | | | |
| ibenz(a,h)anthracene | ND | 0.50 | | | | | | | | |
| enzo(g.h.i)perylene | ND | 0.50 | | | | | | | | |
| | ND | 0.50 | | | | | | | | |
| riann(1.2.3-orf)pyrana | | | 87.60 | | 75.9 | 15 | 176 | | | |
| stano(1.2.3-crijpyrana Surt N-hexadacane | 66 | | | | | | | | | |

 II
 Rolding times, for perparation or analysis exceeded.

 VED
 Not Descend at the Reporting Limit.

 R
 RPD outside accepted recovery limits.

 S
 % Recovery outside of range due to dilution or matrix.



T Ansiyu: drasonal beltwu quantitatira liwasu
 Somple pl I Noi In Rauge
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified

| Souder, Miller and Associates Mesa Station BGT | Client: Souder, Miller and Associates Project: Mesa Station BGT |
|---|--|
| e D MB-31663 Samy/Type: MBLK TerriCode: EPA Methad 7476; Mareury | Sampin IXI MIL.31609 SampType: MBLK TestCode: EPA 801081: Total Recoverable Metals |
| ID: PBW Batch ID: 31403 Hunher: 42613 Nate: 5/8/2017 Analysis Date: 5/8/2017 Socho: 1240483 Units: reg/L | Client ID: PBW Batch ID: 31602 RunNo: 42612 Prop Date: 58/2017 Annifyrisi Date: 58/2017 See/No: 1540442 Units: mg/L |
| Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual NO 0.00020 | Analytein Result POL SPK veiue SPK Ref Val NREC LowLinit HighLinit NSRPD RPDLinit Date Berun ND 0.020 |
| e ID LCS-31603 SamufTyper LC8 TasiCode: EPA Nethod 7470; Marcuny | Cedemium ND 0.0020 Otronium ND 0.0060 Last ND 0.0060 |
| 5/8/2017 Analysis Date 5/8/2017 5/9/2No. 1340484 Units mg/L | ND 0.050 Siler ND 0.050 |
| e Result PQL SPK value SPK Ret Val 15.REC LowLmit: HighLimit 15.RPD RPDUmit Qual 0.0047 0.00028 0.005/08 0 94.8 80 120 | Samplin D LCS-11482 SimpTyper LCS TentCoder EPA 60108: Total Recoverable Metalle Calval D: LCSW Batch D: 31692 Ritrore 42912 |
| a ID LC50-31603 SampType: LCSD TextDoca: EPA Metriced 7470; Mercury ID: LC5502 Batch ID: 21103 RunNo: 42613 | Amily Result POL SPK value SPK Ref Val VARE Lew/Limit SIRPD RPDL/mil Dami |
| mi 38/2017 Anayas Data Sala2017 Septer 1340485 Units maga I Result PGL SPK value SPK Ruf Val KREG LowLimit HighLimit KRPD RPDLimit Qual | Nominger Healant PULL Service was service was service with the counter of the service was service wa |
| 0.0048 0.00020 0.005000 0 96.2 80 120 1.39 20 | Chromium 0.50 0.0060 0.5000 0 100 80 120 Lead 0.50 0.0050 0.5000 0 101 80 120 |
| | Sher 0.10 0.0050 0.1000 6 102 87 120 |
| | Semplir D LC50-31692 SampTypel LC50 TexiCaste EPA 09169: Total Recoverable Metalle Client ID: LC5592 Batch ID: 31692 RunNe: 42812 |
| | Prep Date: 568/2017 Analysis Date: 568/2017 SeqNo: 1340444 Units: mg/L Analyte Reput: POL SPK retue SPK Ref Val KREC LowLine MighLine KRPD RPDLine Oxei |
| | Bellevie 0.51 0.0020 n.0020 0 403 80 120 2.48 20 Catenium 0.51 0.0020 0.5000 0 162 80 120 0.418 20 Chemium 0.51 0.0000 0.0000 0 102 80 120 1.51 20 |
| | Lend 0.51 0.0050 0.5000 0 103 80 120 1.65 20 Selenium 0.50 0.050 0.5000 0 101 80 120 1.51 20 |
| | Offwar 0.10 0.0050 0.1000 0 104 60 120 2.09 20 Sample ID' MB-31692 Sampl' (Xort MBLK) Text/2004: EPA 80108: Total Recoverable Metallin |
| | Zsiewi IP, PBW Batelvi IO, 81682 FilumNo, 42612 Prop Date: 5682017 Analysis Date: 5682017 SecNo: 1340455 Unita: mg/L |
| | Analyte Result PQL SPK value SPK Ref Val %REC LowLinkt HighLinkt %RPD RPDLinkt Qual Asseric ND 0.020 |
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| due sexeds Maximum Comaminum Level. Bi Analyse detected in the associated Method Blank mple Diluted Due to Marix E Value above quantitation range diagi tums for programmino er analysis exceeded J Analysis detected below quantitation limits Page 9 of 11 | Value exceeds Maximum Contaminant'Level. B Analyse interpret in the associated Method Blanck D Sample Dhand Due to Marick E Value above quantitation range H Helding times for preparation or analysis a romaini J Analyse detected before quantitation times Page 10 of 11 |
| Detected at the Reporting Limit P Sample pH Not In Range 0 outside accepted recovery limits RL Reporting Detection Limit | MD Not Deserved in the Reporting Limit. P Kample pH Net In Range R RPD outside accepted recovery limits. RL Reporting Detection Limit |
| Recovery outside of range due to dilution or matrix W Sample container temperature is out of limit as specified | S % Recovery outside of range due to dilution or matrix W Sample container temperature is out of limit as specified |
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