District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011
mit 1 Copy to appropriate District Office to

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

| | | | | | | OPERA' | ГOR | | Initi | ial Report | \boxtimes | Final Repo |
|---|---|--|---|--|---|--|---|---|--|--|--|--|
| Name of C | ompany B | urlington Re | sources (| Oil &Gas Co. | | Contact Bo | bby Spearman | 1 | | | | |
| Address 34 | 101 East 30 | th St, Farmin | gton, NN | 1 | | Telephone 1 | No.(505)-320-3 | 045 | | | | |
| | me: Gramb | | | | | | e: Gas well | | | | | |
| Surface Ov | wner: BLM | 1 | | Mineral (| Owner: 1 | ner: FED API No. 3004528625 | | | | | | |
| | | | | LOC | ATION | OF RE | LEASE | • | | | | |
| Unit Letter | Section | Township | Range | Feet from the | - | South Line | Feet from the | East/We | st Line | County | | |
| K | 14 | 30N | 10W | 1425 | | South | 1725 | We | est | San Juan | 1 | |
| | | | | | | Longitude | -107.856603 EASE | | | | | |
| Type of Rel | ease Natu | ral gas | | 1112 | LUXU | Volume of | | ACF V | Volume l | Recovered | 0/0 | |
| Source of R | | 0 | | | | | Hour of Occurren | | | Hour of Dis | scovery | |
| | | d to seperator | | | | 4-9-16 8: | | | | 10:00A | | |
| | liate Notice (| | | | | If YES, To | | | | | | |
| | | | Yes 🗵 | No Not R | Required | 1 20, 10 | | | | | | |
| By Whom? | | | | | | Date and F | | | | | | |
| Was a Watercourse Reached? ☐ Yes ☒ No | | | | | | If YES, Vo | olume Impacting | the Watero | course. | | | |
| | | | Yes 🔀 | No | | | | | | | | |
| If a Waterco | ourse was Im | pacted, Descr | ibe Fully. | * | | | | | | 11 | DICT | 2 |
| | | | | | | | | | OILC | ONS. DIV | DI21 | . 0 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | 711115 | |
| Describe Ca | use of Probl | em and Reme | dial Actio | n Taken.* | | | | | | AUG 3 1 | 2010 | |
| | | em and Reme | | n Taken.* | | | | | | AUG 31 | 2010 | |
| | | em and Reme eaked due to c | | n Taken.* | | | | | | AUG 31 | 2010 | |
| Undergroun | d flow line l | eaked due to c | corrosion. | | | | | | | AUG 3 1 | 2010 | |
| Undergroun Describe Ar | d flow line l | eaked due to c | corrosion. Action Tal | ken.* | of materi | al was transn | ported to a third n | arty landfa | | | | ere below |
| Undergroun Describe Ar Excavation | rea Affected | eaked due to cand Cleanup A | Action Tal | ken.* and app 9 yards | | | | | rm. Field | d results for | TPH w | |
| Describe Ar Excavation a | rea Affected | and Cleanup A | Action Tal | ken.* | | | | | rm. Field | d results for | TPH w | |
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1608C33

August 26, 2016

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

RE: Grambling C # 2R

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/20/2016 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.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 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 Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1608C33

Date Reported: 8/26/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

Project: Grambling C # 2R

Lab ID: 1608C33-001

Client Sample ID: SC-1

Collection Date: 8/19/2016 11:30:00 AM

Received Date: 8/20/2016 9:15:00 AM

| Analyses | Result | PQL Qu | al Units | DF | Date Analyzed | Batch |
|--------------------------------|-------------|----------|----------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | MRA |
| Chloride | ND | 30 | mg/Kg | 20 | 8/25/2016 12:52:21 PM | 27168 |
| EPA METHOD 8015M/D: DIESEL RAM | IGE ORGANIC | S | | | Analyst: | TOM |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 8/24/2016 12:54:15 PM | 27096 |
| Surr: DNOP | 94.8 | 70-130 | %Rec | 1 | 8/24/2016 12:54:15 PM | 27096 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 8/24/2016 9:42:50 PM | 27122 |
| Surr: BFB | 81.3 | 68.3-144 | %Rec | 1 | 8/24/2016 9:42:50 PM | 27122 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 8/24/2016 9:42:50 PM | 27122 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 8/24/2016 9:42:50 PM | 27122 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 8/24/2016 9:42:50 PM | 27122 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 8/24/2016 9:42:50 PM | 27122 |
| Surr: 4-Bromofluorobenzene | 94.4 | 80-120 | %Rec | 1 | 8/24/2016 9:42:50 PM | 27122 |

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC 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
- 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 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1608C33

Date Reported: 8/26/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

Client Sample ID: SC-2

Project: Grambling C # 2R

Collection Date: 8/19/2016 11:33:00 AM

Lab ID: 1608C33-002

Matrix: SOIL

Received Date: 8/20/2016 9:15:00 AM

| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
|-------------------------------|-------------|----------|-------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | MRA |
| Chloride | ND | 30 | mg/Kg | 20 | 8/25/2016 1:29:33 PM | 27168 |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANIC | S | | | Analyst: | TOM |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 8/24/2016 1:22:04 PM | 27096 |
| Surr: DNOP | 96.0 | 70-130 | %Rec | 1 | 8/24/2016 1:22:04 PM | 27096 |
| EPA METHOD 8015D: GASOLINE RA | ANGE | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 8/24/2016 10:06:19 PM | 27122 |
| Surr: BFB | 81.6 | 68.3-144 | %Rec | 1 | 8/24/2016 10:06:19 PM | 27122 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 8/24/2016 10:06:19 PM | 27122 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 8/24/2016 10:06:19 PM | 27122 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 8/24/2016 10:06:19 PM | 27122 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 8/24/2016 10:06:19 PM | 27122 |
| Surr: 4-Bromofluorobenzene | 94.2 | 80-120 | %Rec | 1 | 8/24/2016 10:06:19 PM | 27122 |

Refer to the QC Summary report and sample login checklist for flagged QC 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
- 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 2 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1608C33

Date Reported: 8/26/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

Client Sample ID: SC-3

Project: Grambling C # 2R

Collection Date: 8/19/2016 11:40:00 AM

Lab ID: 1608C33-003

Matrix: SOIL

Received Date: 8/20/2016 9:15:00 AM

| Analyses | Result | PQL Qu | al Units | DF | Date Analyzed | Batch |
|------------------------------------|------------|----------|----------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | MRA |
| Chloride | ND | 30 | mg/Kg | 20 | 8/25/2016 1:41:58 PM | 27168 |
| EPA METHOD 8015M/D: DIESEL RAN | GE ORGANIC | S | | | Analyst: | TOM |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 8/24/2016 1:49:52 PM | 27096 |
| Surr: DNOP | 93.0 | 70-130 | %Rec | 1 | 8/24/2016 1:49:52 PM | 27096 |
| EPA METHOD 8015D: GASOLINE RAN | NGE | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 8/24/2016 10:29:43 PM | 27122 |
| Surr: BFB | 81.8 | 68.3-144 | %Rec | 1 | 8/24/2016 10:29:43 PM | 27122 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 8/24/2016 10:29:43 PM | 27122 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 8/24/2016 10:29:43 PM | 27122 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 8/24/2016 10:29:43 PM | 27122 |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 8/24/2016 10:29:43 PM | 27122 |
| Surr: 4-Bromofluorobenzene | 95.5 | 80-120 | %Rec | 1 | 8/24/2016 10:29:43 PM | 27122 |
| | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC 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
- 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 3 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1608C33

Date Reported: 8/26/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

Client Sample ID: SC-4

Project: Grambling C # 2R

Collection Date: 8/19/2016 11:45:00 AM

Lab ID: 1608C33-004

Matrix: SOIL Received

Received Date: 8/20/2016 9:15:00 AM

| Analyses | Result | PQL Qual | Units | DF | Date Analyzed | Batch |
|------------------------------------|-----------|----------|-------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | MRA |
| Chloride | ND | 30 | mg/Kg | 20 | 8/25/2016 1:54:23 PM | 27168 |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANIC | S | | | Analyst: | TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 8/24/2016 2:17:56 PM | 27096 |
| Surr: DNOP | 95.6 | 70-130 | %Rec | 1 | 8/24/2016 2:17:56 PM | 27096 |
| EPA METHOD 8015D: GASOLINE RANG | GE . | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 8/24/2016 10:53:04 PM | 27122 |
| Surr: BFB | 81.6 | 68.3-144 | %Rec | 1 | 8/24/2016 10:53:04 PM | 27122 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 8/24/2016 10:53:04 PM | 27122 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 8/24/2016 10:53:04 PM | 27122 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 8/24/2016 10:53:04 PM | 27122 |
| Xylenes, Total | ND | 0.092 | mg/Kg | 1 | 8/24/2016 10:53:04 PM | 27122 |
| Surr: 4-Bromofluorobenzene | 95.3 | 80-120 | %Rec | 1 | 8/24/2016 10:53:04 PM | 27122 |
| | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC 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
- 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 4 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1608C33

Date Reported: 8/26/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Rule Engineering LLC

11. Rule Elighteeting LLC

Project: Grambling C # 2R Lab ID: 1608C33-005

Matrix: SOIL

Client Sample ID: SC-5

Collection Date: 8/19/2016 11:48:00 AM

Received Date: 8/20/2016 9:15:00 AM

| Analyses | Result | PQL Qua | al Units | DF | Date Analyzed | Batch |
|--------------------------------|-------------|----------|----------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | MRA |
| Chloride | ND | 30 | mg/Kg | 20 | 8/25/2016 2:31:36 PM | 27168 |
| EPA METHOD 8015M/D: DIESEL RAN | IGE ORGANIC | S | | | Analyst: | TOM |
| Diesel Range Organics (DRO) | 24 | 10 | mg/Kg | 1 | 8/24/2016 2:45:40 PM | 27096 |
| Surr: DNOP | 91.8 | 70-130 | %Rec | 1 | 8/24/2016 2:45:40 PM | 27096 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 8/24/2016 11:16:25 PM | 27122 |
| Surr: BFB | 88.1 | 68.3-144 | %Rec | 1 | 8/24/2016 11:16:25 PM | 27122 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 8/24/2016 11:16:25 PM | 27122 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 8/24/2016 11:16:25 PM | 27122 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 8/24/2016 11:16:25 PM | 27122 |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 8/24/2016 11:16:25 PM | 27122 |
| Surr: 4-Bromofluorobenzene | 95.6 | 80-120 | %Rec | 1 | 8/24/2016 11:16:25 PM | 27122 |

Refer to the QC Summary report and sample login checklist for flagged QC 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
- 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 5 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1608C33

26-Aug-16

Client:

Rule Engineering LLC

Project:

Grambling C # 2R

Sample ID MB-27168

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

Prep Date:

PBS

8/25/2016

Batch ID: 27168 Analysis Date: 8/25/2016

PQL

RunNo: 36775

SeqNo: 1139951

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

Result ND

SPK value SPK Ref Val %REC LowLimit

LowLimit

HighLimit

%RPD

Sample ID LCS-27168

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID:

LCSS

8/25/2016

Batch ID: 27168

RunNo: 36775

Units: mg/Kg

Prep Date: Analyte

Analysis Date: 8/25/2016

PQL SPK value SPK Ref Val %REC

1.5

0

94.5

SeqNo: 1139952

90

HighLimit

RPDLimit

Page 6 of 9

14

15.00

%RPD

Qual

Chloride

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND 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

E Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Detection Limit

P

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Result

ND

9.0

PQL

10

10.00

WO#:

1608C33

26-Aug-16

Client:

Rule Engineering LLC

Project:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

Grambling C#2R

| Sample ID LCS-27096 Client ID: LCSS Prep Date: 8/22/2016 | SampType: LCS Batch ID: 27096 Analysis Date: 8/24/2016 | | | F | tCode: El RunNo: 3 SeqNo: 1 | 6709 | d 8015M/D: Diesel Range Organics Units: mg/Kg | | | | | |
|--|--|----------------|-----------|-------------|---|----------|--|------|----------|------|--|--|
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range Organics (DRO) | 56 | 10 | 50.00 | 0 | 112 | 62.6 | 124 | | | | | |
| Surr: DNOP | 4.9 | | 5.000 | | 98.6 | 70 | 130 | | | | | |
| Sample ID MB-27096 | SampT | SampType: MBLK | | | TestCode: EPA Method 8015M/D: Diesel Range Orga | | | | | | | |
| Client ID: PBS | Batch ID: 27096 | | | R | tunNo: 3 | 6709 | | | | | | |
| Prep Date: 8/22/2016 | Analysis D | ate: 8/ | 24/2016 | S | egNo: 1 | 137694 | Units: mg/K | a | | | | |

SPK value SPK Ref Val %REC LowLimit

89.5

HighLimit

130

70

%RPD

RPDLimit

Qual

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 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 7 of 9

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1608C33

26-Aug-16

Client:

Rule Engineering LLC

Project:

Grambling C#2R

| Sampl | e ID | MB-271 | 2 |
|-------|------|--------|---|
| | | | |

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 27122

RunNo: 36718

%REC

Prep Date: 8/23/2016

Analysis Date: 8/24/2016

SeqNo: 1138315

Units: mg/Kg

Analyte Gasoline Range Organics (GRO)

Result ND

SPK value SPK Ref Val

HighLimit

%RPD **RPDLimit**

Qual

Surr: BFB

760

1000

76.0

68.3 144

Sample ID LCS-27122

Client ID: LCSS

SampType: LCS Batch ID: 27122

PQL

5.0

RunNo: 36718

SeqNo: 1138316

LowLimit

TestCode: EPA Method 8015D: Gasoline Range

Units: mg/Kg

HighLimit

Prep Date: 8/23/2016 Analysis Date: 8/24/2016

SPK value SPK Ref Val

%REC LowLimit %RPD

RPDLimit

Qual

Analyte Gasoline Range Organics (GRO) Result PQL 24 5.0 25.00 1000

95.6 84.7 80

Surr: BFB

120 850 68.3 144

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 8 of 9

P Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1608C33

26-Aug-16

Client:

Rule Engineering LLC

Project:

Grambling C # 2R

| Sample ID MB-27122 | Samp | Гуре: М | BLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------|---|---------|-----------|---------------------------------------|----------|----------|-------------|------|----------|------|--|--|
| Client ID: PBS | Batch ID: 27122 Analysis Date: 8/24/2016 | | | F | RunNo: 3 | 6718 | | | | | | |
| Prep Date: 8/23/2016 | | | | 8 | SeqNo: 1 | 138341 | Units: mg/K | (g | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Benzene | ND | 0.025 | | | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.89 | | 1.000 | | 88.5 | 80 | 120 | | | | | |

| Sample ID LCS-27122 | Samp | ype: LC | S | les | tiles | | | | | | | |
|----------------------------|--------------------------|----------|-----------|----------------|--------------|----------|-------------|------------|----------|------|--|--|
| Client ID: LCSS | Batcl | h ID: 27 | 122 | F | RunNo: 36718 | | | | | | | |
| Prep Date: 8/23/2016 | Analysis Date: 8/24/2016 | | | SeqNo: 1138342 | | | Units: mg/F | (g | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Benzene | 0.87 | 0.025 | 1.000 | 0 | 87.1 | 75.3 | 123 | | | | | |
| Toluene | 0.92 | 0.050 | 1.000 | 0 | 92.0 | 80 | 124 | | | | | |
| Ethylbenzene | 0.97 | 0.050 | 1.000 | 0 | 96.6 | 82.8 | 121 | | | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 97.5 | 83.9 | 122 | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 100 | 80 | 120 | | | | | |

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 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 9 of 9

P Sample pH Not In Range

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



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

Website: www.hallenvironmental.com

Sample Log-In Check List

| Client Name: | RULE ENGINEERING LL | Work Order Number: | 1608 | 233 | | RcptNo: | 1 |
|-------------------|--|--|--------|-------|---------------|-----------------------------------|----------------------|
| Received by/date | Lindsay Mangin | 08/20/16 8/20/2016 9:15:00 AM | | | Judy Hougo | | - |
| Completed By: | Lándsay Mangin | 8/22/2016 12:33:17 PM | А | | Spreaky Hoper | | |
| Reviewed By: | Je 08/22/16 | | | | 000 | | I |
| Chain of Cust | () | | | | | | |
| 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? | | Cour | ier | | | |
| Log In | | | | | | | |
| 4. Was an atte | mpt made to cool the sampl | es? | Yes | | No 🗆 | NA 🗆 | |
| 5. Were all san | nples received at a temperal | ture of >0° C to 6.0°C | Yes | | No 🗆 | NA 🗆 | |
| 6. Sample(s) in | proper container(s)? | | Yes | | No 🗆 | | |
| 7. Sufficient sai | mple volume for indicated te | st(s)? | Yes | | No 🗆 | | |
| 8. Are samples | (except VOA and ONG) pro | perly preserved? | Yes | | No 🗌 | | |
| 9. Was preserv | rative added to bottles? | | Yes | | No 🕷 | NA 🗆 | |
| 10.VOA vials ha | ave zero headspace? | | Yes | | No 🗆 | No VOA Vials | |
| | ample containers received by | roken? | Yes | | No 🐼 | | |
| | | | | | | # of preserved bottles checked | |
| | work match bottle labels? | | Yes | | No 🗌 | for pH: | |
| | pancies on chain of custody) | | | | W. [7] | Adjusted? | or >12 unless noted) |
| | correctly identified on Chair | | Yes | | No L | , tajastoa . | |
| | at analyses were requested | <i>(</i> | Yes | | No 🗆 | Checked by: | |
| | ding times able to be met? customer for authorization.) | | Yes | | NO L | Onconed by. | |
| Special Hand | lling (if applicable) | | | | | | |
| | otified of all discrepancies w | ith this order? | Yes | | No 🗆 | NA 🐼 | |
| 1 | 200000000000000000000000000000000000000 | DANIEL CONTROL OF THE PARTY OF | 100 | - | | 141 22 | |
| | Notified: | Date: | _ | | | | |
| By Wh | COMO COMO COMO COMO COMO COMO COMO COMO | Via: | eMa | ail L | Phone Fax | In Person | |
| Regard | parameter and the same | THE RESERVE ASSESSMENT | | | | ACCUPATION STATEMENT | |
| 17. Additional re | Instructions: | | | | | | |
| 17. Additional re | ernarks: | | | | | | |
| 18. Cooler Info | | Seal Intact Seal No | Seal D | ate | Signed By | | |
| 1 | 3.8 Good | Yes | | | | | |

| | | | stody Record | Turn-Around Time: | | | | | | ŀ | IA | LL | E | NV | IF | 20 | NI | 1E | NT | AL | |
|--------------|----------------------|-------------|---|---------------------------|----------------------|---|----------------|------------------|----------------|--------------------|--------------------|----------------|---------------|----------------------|------------------------------|-------------|-----------------|----------|----------|----|----------------------|
| lient: | Rulo E | חומחשפה | ing. LLC | Standard | □ Rush | | | 製造 | | | | | | | | | | | TC | | |
| | , | 5 | 3, | Project Name |) : | | | | | | | v.hal | | | | | | | | | |
| ailing | Address | 501 A | aport Dr. Suite | | ns C# | 2R | | 49 | 01 H | | | | | | | | M 87 | 109 | | | |
| | | | | Project #: | | | | Te | el. 50 | 5-34 | 5-3 | 975 | F | ax | 505- | 345 | 4107 | 7 | | | |
| hone | #: 505 | 793 | <u>n</u> 87401 9486 | | | | | | | | | A | naly | ysis | Req | ues | t | | | | |
| mail o | r Fax#: | unlder | and engreening. Mi | Project Mana | ger: | | 100 | nly) | 8 | | | | | 1 | " | | | | | | |
| AVQC | Package: | | COM | | | | 302 | IS O | 學 | | | (S | | 90 | 'B's | | | | | | |
| Stan | dard | | □ Level 4 (Full Validation) | Heather | Woods | | 3) 9 | (Gg | DRO / WED | | | SIMS) | | FP04804) | 2 PC | | | | | | |
| | tation | | | Sampler: Ju | stia Valde | 27 | Tades (8021) | + TPH (Gas only) | - | 7 | 7 | 8270 | | 206 | 308 | | | | | | 2 |
| NEL | AP | □ Othe | r | On Ice: | Z Yes | □ No | + | | 80 | 18 | 9 | - 82 | ro. | 1 | 8/8 | | F | | | | o lo |
| EDD | (Type) | | | Sample Tem | perature. 3 | >18 | MEDE | BE | (G | bd 4 | bo 5 | 0 0 | stals | A | ide | 8 | > | | | | 2 |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. | + × | BTEX + MTBE | TPH 8015B (GRO | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or | RCRA 8 Metals | Anions (FICI MOSTIME | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | | | | Air Bubbles (Y or N) |
| 19/16 | 1130 | Soil | Sc-1 | Hoz Glass | Cold | -001 | 4 | | × | | | | | + | | | | | | | |
| | 1133 | Soil | SC-Z | Hoz Glass | 0 | -002 | × | | × | | | | | × | | | | | | | |
| | 1140 | Soil | SC-3 | 402665 | | -003 | × | | × | | | | | × | - | | | | | | |
| | 1145 | | | 402 Glass | | -004 | 1 | | × | | | | | × | | | | | | | |
| | 1148 | | SC-4 58 SC-5 | 402 6/65 | A 1 | -005 | × | | × | | | | | × | | | | | \perp | 1 | |
| | | | | | | | \vdash | | Н | - | | | _ | | | | | \dashv | + | + | + |
| | | | | | - | | | | | | | | | | | | | | 1 | | + |
| | | | | | | | | | | | | | | | | | | | \Box | | |
| | | | | | | | | | | | | | | | | | | | 4 | _ | _ |
| | 2 1 | | | | | | - | | | | | | | | | _ | | | 4 | _ | \perp |
| | | | | | | | | | | | | | | | | | | | | | |
| 9/10 ate: | Time: | Relinquish | she Calelin. | Regeived by: Received by: | Walte | Date Time | Rer | mark | S: | | | | | | | | | | | | |
| 19/14 | 7740 f necessary, | samples sub | Let Walts mitted to Hall Environmental may be sub | contracted to other a | credited laboratori | OS 120 116 09 es. This serves as notice of thi | 15 is possi | bility. | Any su | ıb-con | tracte | d data | will b | e clear | ly not | ated o | n the a | nalytics | al repor | t. | |