



23-Aug-2010

Mark Mumby
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Antero Gravel Pit Release 8/17/10**

Work Order: **1008474**

Dear Mark,

ALS Environmental received 4 samples on 19-Aug-2010 02:50 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 19.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: IL100452

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DOV#JURXS#KVD/FRUS#Sduw#k#kh#DOV#Derudw#J#J#uxs#D#Fdp seha#Eurkhw#D#p l#hg#F#rp sdq|

Environmental The ALS logo, a stylized blue triangle with a yellow flame inside.

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RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Antero Gravel Pit Release 8/17/10
Work Order: 1008474

Work Order Sample Summary

| <u>Lab Samp ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Tag Number</u> | <u>Collection Date</u> | <u>Date Received</u> | <u>Hold</u> |
|--------------------|-------------------------|---------------|-------------------|------------------------|----------------------|--------------------------|
| 1008474-01 | Seep 1 | Groundwater | | 8/17/2010 13:50 | 8/19/2010 14:50 | <input type="checkbox"/> |
| 1008474-02 | Seep 2 | Groundwater | | 8/17/2010 14:00 | 8/19/2010 14:50 | <input type="checkbox"/> |
| 1008474-03 | Seep 3 | Groundwater | | 8/17/2010 14:15 | 8/19/2010 14:50 | <input type="checkbox"/> |
| 1008474-04 | Outlet Pond | Groundwater | | 8/17/2010 14:30 | 8/19/2010 14:50 | <input type="checkbox"/> |

Client: HRL Compliance Solutions
Project: Antero Gravel Pit Release 8/17/10
WorkOrder: 1008474

QUALIFIERS, ACRONYMS, UNITS

| <u>Qualifier</u> | <u>Description</u> |
|-------------------------|---|
| * | Value exceeds Regulatory Limit |
| a | Not accredited |
| B | Analyte detected in the associated Method Blank above the Reporting Limit |
| E | Value above quantitation range |
| H | Analyzed outside of Holding Time |
| J | Analyte detected below quantitation limit |
| n | Not offered for accreditation |
| ND | Not Detected at the Reporting Limit |
| O | Sample amount is > 4 times amount spiked |
| P | Dual Column results percent difference > 40% |
| R | RPD above laboratory control limit |
| S | Spike Recovery outside laboratory control limits |
| U | Analyzed but not detected above the MDL |

| <u>Acronym</u> | <u>Description</u> |
|-----------------------|-------------------------------------|
| DUP | Method Duplicate |
| LCS | Laboratory Control Sample |
| LCSD | Laboratory Control Sample Duplicate |
| MBLK | Method Blank |
| MDL | Method Detection Limit |
| MQL | Method Quantitation Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| PDS | Post Digestion Spike |
| PQL | Practical Quantitation Limit |
| SD | Serial Dilution |

| <u>Units Reported</u> | <u>Description</u> |
|------------------------------|---------------------------|
| µg/L | Micrograms per Liter |
| mg/L | Milligrams per Liter |

ALS Environmental**Date:** 23-Aug-10

Client: HRL Compliance Solutions
Project: Antero Gravel Pit Release 8/17/10
Sample ID: Seep 1
Collection Date: 8/17/2010 01:50 PM

Work Order: 1008474
Lab ID: 1008474-01
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------------------|--------|------|---------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: AK |
| Benzene | 320 | | 5.0 | µg/L | 5 | 8/22/2010 12:00 PM |
| Ethylbenzene | 42 | | 5.0 | µg/L | 5 | 8/22/2010 12:00 PM |
| m,p-Xylene | 210 | | 5.0 | µg/L | 5 | 8/22/2010 12:00 PM |
| o-Xylene | 13 | | 5.0 | µg/L | 5 | 8/22/2010 12:00 PM |
| Toluene | 50 | | 5.0 | µg/L | 5 | 8/22/2010 12:00 PM |
| Xylenes, Total | 220 | | 15 | µg/L | 5 | 8/22/2010 12:00 PM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 70-120 | %REC | 5 | 8/22/2010 12:00 PM |
| Surr: 4-Bromofluorobenzene | 98.1 | | 75-120 | %REC | 5 | 8/22/2010 12:00 PM |
| Surr: Dibromofluoromethane | 101 | | 85-115 | %REC | 5 | 8/22/2010 12:00 PM |
| Surr: Toluene-d8 | 99.9 | | 85-120 | %REC | 5 | 8/22/2010 12:00 PM |
| ANIONS BY ION CHROMATOGRAPHY | | | E300.0 | | | Analyst: ED |
| Chloride | 160 | | 10 | mg/L | 10 | 8/20/2010 11:16 AM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Environmental

Date: 23-Aug-10

Client: HRL Compliance Solutions
Project: Antero Gravel Pit Release 8/17/10
Sample ID: Seep 2
Collection Date: 8/17/2010 02:00 PM

Work Order: 1008474
Lab ID: 1008474-02
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------------------|--------|------|---------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: AK |
| Benzene | 850 | | 10 | µg/L | 10 | 8/22/2010 12:58 PM |
| Ethylbenzene | 110 | | 10 | µg/L | 10 | 8/22/2010 12:58 PM |
| m,p-Xylene | 1,300 | | 10 | µg/L | 10 | 8/22/2010 12:58 PM |
| o-Xylene | 270 | | 10 | µg/L | 10 | 8/22/2010 12:58 PM |
| Toluene | 1,000 | | 50 | µg/L | 50 | 8/22/2010 03:52 PM |
| Xylenes, Total | 1,600 | | 30 | µg/L | 10 | 8/22/2010 12:58 PM |
| Surr: 1,2-Dichloroethane-d4 | 103 | | 70-120 | %REC | 50 | 8/22/2010 03:52 PM |
| Surr: 1,2-Dichloroethane-d4 | 104 | | 70-120 | %REC | 10 | 8/22/2010 12:58 PM |
| Surr: 4-Bromofluorobenzene | 98.2 | | 75-120 | %REC | 50 | 8/22/2010 03:52 PM |
| Surr: 4-Bromofluorobenzene | 98.8 | | 75-120 | %REC | 10 | 8/22/2010 12:58 PM |
| Surr: Dibromofluoromethane | 103 | | 85-115 | %REC | 50 | 8/22/2010 03:52 PM |
| Surr: Dibromofluoromethane | 101 | | 85-115 | %REC | 10 | 8/22/2010 12:58 PM |
| Surr: Toluene-d8 | 100 | | 85-120 | %REC | 50 | 8/22/2010 03:52 PM |
| Surr: Toluene-d8 | 100 | | 85-120 | %REC | 10 | 8/22/2010 12:58 PM |
| ANIONS BY ION CHROMATOGRAPHY | | | E300.0 | | | Analyst: ED |
| Chloride | 190 | | 20 | mg/L | 20 | 8/20/2010 12:15 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Environmental**Date:** 23-Aug-10**Client:** HRL Compliance Solutions**Project:** Antero Gravel Pit Release 8/17/10**Work Order:** 1008474**Sample ID:** Seep 3**Lab ID:** 1008474-03**Collection Date:** 8/17/2010 02:15 PM**Matrix:** GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------------------|--------|------|---------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: CW |
| Benzene | 60 | | 1.0 | µg/L | 1 | 8/22/2010 05:57 PM |
| Ethylbenzene | 8.9 | | 1.0 | µg/L | 1 | 8/22/2010 05:57 PM |
| m,p-Xylene | 33 | | 1.0 | µg/L | 1 | 8/22/2010 05:57 PM |
| o-Xylene | 7.2 | | 1.0 | µg/L | 1 | 8/22/2010 05:57 PM |
| Toluene | 28 | | 1.0 | µg/L | 1 | 8/22/2010 05:57 PM |
| Xylenes, Total | 41 | | 3.0 | µg/L | 1 | 8/22/2010 05:57 PM |
| Surr: 1,2-Dichloroethane-d4 | 83.5 | | 70-120 | %REC | 1 | 8/22/2010 05:57 PM |
| Surr: 4-Bromofluorobenzene | 104 | | 75-120 | %REC | 1 | 8/22/2010 05:57 PM |
| Surr: Dibromofluoromethane | 88.8 | | 85-115 | %REC | 1 | 8/22/2010 05:57 PM |
| Surr: Toluene-d8 | 95.9 | | 85-120 | %REC | 1 | 8/22/2010 05:57 PM |
| ANIONS BY ION CHROMATOGRAPHY | | | E300.0 | | | Analyst: ED |
| Chloride | 190 | | 20 | mg/L | 20 | 8/20/2010 12:35 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Environmental

Date: 23-Aug-10

Client: HRL Compliance Solutions
Project: Antero Gravel Pit Release 8/17/10
Sample ID: Outlet Pond
Collection Date: 8/17/2010 02:30 PM

Work Order: 1008474
Lab ID: 1008474-04
Matrix: GROUNDWATER

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|-------------------------------------|--------|------|---------------|-------|-----------------|--------------------|
| VOLATILE ORGANIC COMPOUNDS | | | SW8260 | | | Analyst: CW |
| Benzene | ND | | 1.0 | µg/L | 1 | 8/20/2010 09:46 PM |
| Ethylbenzene | ND | | 1.0 | µg/L | 1 | 8/20/2010 09:46 PM |
| m,p-Xylene | ND | | 1.0 | µg/L | 1 | 8/20/2010 09:46 PM |
| o-Xylene | ND | | 1.0 | µg/L | 1 | 8/20/2010 09:46 PM |
| Toluene | ND | | 1.0 | µg/L | 1 | 8/20/2010 09:46 PM |
| Xylenes, Total | ND | | 3.0 | µg/L | 1 | 8/20/2010 09:46 PM |
| Surr: 1,2-Dichloroethane-d4 | 104 | | 70-120 | %REC | 1 | 8/20/2010 09:46 PM |
| Surr: 4-Bromofluorobenzene | 97.2 | | 75-120 | %REC | 1 | 8/20/2010 09:46 PM |
| Surr: Dibromofluoromethane | 103 | | 85-115 | %REC | 1 | 8/20/2010 09:46 PM |
| Surr: Toluene-d8 | 97.5 | | 85-120 | %REC | 1 | 8/20/2010 09:46 PM |
| ANIONS BY ION CHROMATOGRAPHY | | | E300.0 | | | Analyst: ED |
| Chloride | 160 | | 10 | mg/L | 10 | 8/20/2010 12:54 PM |

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Environmental

Date: 23-Aug-10

Client: HRL Compliance Solutions

Work Order: 1008474

Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80255** Instrument ID **VMS6** Method: **SW8260**

| MBLK | | Sample ID: VBLKW1-100820-R80255 | | | | Units: µg/L | | Analysis Date: 8/20/2010 03:41 PM | | |
|-----------------------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: VMS6_100820B | | | | SeqNo: 1392010 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| m,p-Xylene | ND | 2.0 | | | | | | | | |
| o-Xylene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 103.9 | 0 | 100 | 0 | 104 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 97.24 | 0 | 100 | 0 | 97.2 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 100.8 | 0 | 100 | 0 | 101 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 98.77 | 0 | 100 | 0 | 98.8 | 85-120 | 0 | | | |

| LCS | | Sample ID: VLCSW1-100820-R80255 | | | | Units: µg/L | | Analysis Date: 8/20/2010 02:20 PM | | |
|-----------------------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: VMS6_100820B | | | | SeqNo: 1391768 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.67 | 1.0 | 20 | 0 | 98.4 | 80-120 | 0 | | | |
| Ethylbenzene | 19.84 | 1.0 | 20 | 0 | 99.2 | 75-125 | 0 | | | |
| m,p-Xylene | 39.69 | 2.0 | 40 | 0 | 99.2 | 75-130 | 0 | | | |
| o-Xylene | 19.74 | 1.0 | 20 | 0 | 98.7 | 80-120 | 0 | | | |
| Toluene | 19.39 | 1.0 | 20 | 0 | 97 | 75-120 | 0 | | | |
| Xylenes, Total | 59.43 | 2.0 | 60 | 0 | 99 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 102.9 | 0 | 100 | 0 | 103 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 101.1 | 0 | 100 | 0 | 101 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 103.5 | 0 | 100 | 0 | 103 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 99.96 | 0 | 100 | 0 | 100 | 85-120 | 0 | | | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80255** Instrument ID **VMS6** Method: **SW8260**

| LCSD | | Sample ID: VLCSWDW1-100820-R80255 | | | | Units: µg/L | | Analysis Date: 8/20/2010 02:47 PM | | |
|------------------------------------|--------|--|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: VMS6_100820B | | | | SeqNo: 1391769 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 18.72 | 1.0 | 20 | 0 | 93.6 | 80-120 | 19.67 | 4.95 | 30 | |
| Ethylbenzene | 18.91 | 1.0 | 20 | 0 | 94.6 | 75-125 | 19.84 | 4.8 | 30 | |
| m,p-Xylene | 38.01 | 2.0 | 40 | 0 | 95 | 75-130 | 39.69 | 4.32 | 30 | |
| o-Xylene | 18.86 | 1.0 | 20 | 0 | 94.3 | 80-120 | 19.74 | 4.56 | 30 | |
| Toluene | 18.49 | 1.0 | 20 | 0 | 92.4 | 75-120 | 19.39 | 4.75 | 30 | |
| Xylenes, Total | 56.87 | 2.0 | 60 | 0 | 94.8 | 75-130 | 59.43 | 4.4 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | | | | | | | | | | |
| | 101.8 | 0 | 100 | 0 | 102 | 70-120 | 102.9 | 1.02 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | | | | | | | | | | |
| | 101.3 | 0 | 100 | 0 | 101 | 75-120 | 101.1 | 0.128 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | | | | | | | | | | |
| | 102.5 | 0 | 100 | 0 | 102 | 85-115 | 103.5 | 0.942 | 30 | |
| <i>Surr: Toluene-d8</i> | | | | | | | | | | |
| | 99.18 | 0 | 100 | 0 | 99.2 | 85-120 | 99.96 | 0.783 | 30 | |

| MS | | Sample ID: 1008481-02B MS | | | | Units: µg/L | | Analysis Date: 8/20/2010 11:41 PM | | |
|------------------------------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: VMS6_100820B | | | | SeqNo: 1392019 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.72 | 1.0 | 20 | 0 | 98.6 | 80-120 | 0 | | | |
| Ethylbenzene | 19.69 | 1.0 | 20 | 0 | 98.4 | 75-125 | 0 | | | |
| m,p-Xylene | 39.78 | 2.0 | 40 | 0 | 99.4 | 75-130 | 0 | | | |
| o-Xylene | 19.35 | 1.0 | 20 | 0 | 96.8 | 80-120 | 0 | | | |
| Toluene | 19.3 | 1.0 | 20 | 0.13 | 95.8 | 75-120 | 0 | | | |
| Xylenes, Total | 59.13 | 2.0 | 60 | 0 | 98.6 | 75-130 | 0 | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | | | | | | | | | | |
| | 101.3 | 0 | 100 | 0 | 101 | 70-120 | 0 | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | | | | | | | | | | |
| | 101.1 | 0 | 100 | 0 | 101 | 75-120 | 0 | | | |
| <i>Surr: Dibromofluoromethane</i> | | | | | | | | | | |
| | 104.4 | 0 | 100 | 0 | 104 | 85-115 | 0 | | | |
| <i>Surr: Toluene-d8</i> | | | | | | | | | | |
| | 99.03 | 0 | 100 | 0 | 99 | 85-120 | 0 | | | |

| MSD | | Sample ID: 1008481-02B MSD | | | | Units: µg/L | | Analysis Date: 8/21/2010 12:11 PM | | |
|------------------------------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| Client ID: | | Run ID: VMS6_100820B | | | | SeqNo: 1392020 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.07 | 1.0 | 20 | 0 | 95.4 | 80-120 | 19.72 | 3.35 | 30 | |
| Ethylbenzene | 18.91 | 1.0 | 20 | 0 | 94.6 | 75-125 | 19.69 | 4.04 | 30 | |
| m,p-Xylene | 38.14 | 2.0 | 40 | 0 | 95.4 | 75-130 | 39.78 | 4.21 | 30 | |
| o-Xylene | 18.74 | 1.0 | 20 | 0 | 93.7 | 80-120 | 19.35 | 3.2 | 30 | |
| Toluene | 18.67 | 1.0 | 20 | 0.13 | 92.7 | 75-120 | 19.3 | 3.32 | 30 | |
| Xylenes, Total | 56.88 | 2.0 | 60 | 0 | 94.8 | 75-130 | 59.13 | 3.88 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | | | | | | | | | | |
| | 101.7 | 0 | 100 | 0 | 102 | 70-120 | 101.3 | 0.325 | 30 | |
| <i>Surr: 4-Bromofluorobenzene</i> | | | | | | | | | | |
| | 101.3 | 0 | 100 | 0 | 101 | 75-120 | 101.1 | 0.119 | 30 | |
| <i>Surr: Dibromofluoromethane</i> | | | | | | | | | | |
| | 103.2 | 0 | 100 | 0 | 103 | 85-115 | 104.4 | 1.12 | 30 | |
| <i>Surr: Toluene-d8</i> | | | | | | | | | | |
| | 98.94 | 0 | 100 | 0 | 98.9 | 85-120 | 99.03 | 0.0909 | 30 | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80255** Instrument ID **VMS6** Method: **SW8260**

The following samples were analyzed in this batch: 1008474-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80269** Instrument ID **VMS6** Method: **SW8260**

| MBLK | Sample ID: VBLKW1-100822-R80269 | | | | Units: µg/L | | Analysis Date: 8/22/2010 11:31 AM | | | |
|------------------------------------|--|----------|------------|---------------|-----------------------|---------------|--|------|--------------|------|
| Client ID: | Run ID: VMS6_100822A | | | | SeqNo: 1392125 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| m,p-Xylene | ND | 2.0 | | | | | | | | |
| o-Xylene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>103.3</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>103</i> | <i>70-120</i> | <i>0</i> | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>96.25</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>96.2</i> | <i>75-120</i> | <i>0</i> | | | |
| <i>Surr: Dibromofluoromethane</i> | <i>101.9</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>85-115</i> | <i>0</i> | | | |
| <i>Surr: Toluene-d8</i> | <i>99.69</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>99.7</i> | <i>85-120</i> | <i>0</i> | | | |

| LCS | Sample ID: VLCSW1-100822-R80269 | | | | Units: µg/L | | Analysis Date: 8/22/2010 10:03 AM | | | |
|------------------------------------|--|----------|------------|---------------|-----------------------|---------------|--|------|--------------|------|
| Client ID: | Run ID: VMS6_100822A | | | | SeqNo: 1392029 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.72 | 1.0 | 20 | 0 | 98.6 | 80-120 | 0 | | | |
| Ethylbenzene | 20.03 | 1.0 | 20 | 0 | 100 | 75-125 | 0 | | | |
| m,p-Xylene | 40.51 | 2.0 | 40 | 0 | 101 | 75-130 | 0 | | | |
| o-Xylene | 19.94 | 1.0 | 20 | 0 | 99.7 | 80-120 | 0 | | | |
| Toluene | 19.82 | 1.0 | 20 | 0 | 99.1 | 75-120 | 0 | | | |
| Xylenes, Total | 60.45 | 2.0 | 60 | 0 | 101 | 75-130 | 0 | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>102.1</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>102</i> | <i>70-120</i> | <i>0</i> | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>100.1</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>100</i> | <i>75-120</i> | <i>0</i> | | | |
| <i>Surr: Dibromofluoromethane</i> | <i>103.9</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>104</i> | <i>85-115</i> | <i>0</i> | | | |
| <i>Surr: Toluene-d8</i> | <i>100.8</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>85-120</i> | <i>0</i> | | | |

| LCSD | Sample ID: VLCSDW1-100822-R80269 | | | | Units: µg/L | | Analysis Date: 8/22/2010 10:32 AM | | | |
|------------------------------------|---|----------|------------|---------------|-----------------------|---------------|--|---------------|--------------|------|
| Client ID: | Run ID: VMS6_100822A | | | | SeqNo: 1392030 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 18.79 | 1.0 | 20 | 0 | 94 | 80-120 | 19.72 | 4.83 | 30 | |
| Ethylbenzene | 19.21 | 1.0 | 20 | 0 | 96 | 75-125 | 20.03 | 4.18 | 30 | |
| m,p-Xylene | 39.05 | 2.0 | 40 | 0 | 97.6 | 75-130 | 40.51 | 3.67 | 30 | |
| o-Xylene | 19.22 | 1.0 | 20 | 0 | 96.1 | 80-120 | 19.94 | 3.68 | 30 | |
| Toluene | 19.07 | 1.0 | 20 | 0 | 95.4 | 75-120 | 19.82 | 3.86 | 30 | |
| Xylenes, Total | 58.27 | 2.0 | 60 | 0 | 97.1 | 75-130 | 60.45 | 3.67 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>101.2</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>70-120</i> | <i>102.1</i> | <i>0.905</i> | <i>30</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>100.5</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>100</i> | <i>75-120</i> | <i>100.1</i> | <i>0.329</i> | <i>30</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>103.5</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>103</i> | <i>85-115</i> | <i>103.9</i> | <i>0.434</i> | <i>30</i> | |
| <i>Surr: Toluene-d8</i> | <i>100.9</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>101</i> | <i>85-120</i> | <i>100.8</i> | <i>0.0694</i> | <i>30</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80269** Instrument ID **VMS6** Method: **SW8260**

| MS | | | | Sample ID: 1008477-01C MS | | Units: µg/L | | Analysis Date: 8/22/2010 06:45 PM | | |
|-----------------------------|--------|----------------------|---------|---------------------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: VMS6_100822A | | | SeqNo: 1392134 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.37 | 1.0 | 20 | 0 | 96.8 | 80-120 | 0 | | | |
| Ethylbenzene | 19.46 | 1.0 | 20 | 0 | 97.3 | 75-125 | 0 | | | |
| m,p-Xylene | 39.23 | 2.0 | 40 | 0 | 98.1 | 75-130 | 0 | | | |
| o-Xylene | 19.13 | 1.0 | 20 | 0 | 95.6 | 80-120 | 0 | | | |
| Toluene | 19.45 | 1.0 | 20 | 0 | 97.2 | 75-120 | 0 | | | |
| Xylenes, Total | 58.36 | 2.0 | 60 | 0 | 97.3 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 102 | 0 | 100 | 0 | 102 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 100.6 | 0 | 100 | 0 | 101 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 103.2 | 0 | 100 | 0 | 103 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 100.8 | 0 | 100 | 0 | 101 | 85-120 | 0 | | | |

| MSD | | | | Sample ID: 1008477-01C MSD | | | Units: µg/L | | Analysis Date: 8/22/2010 07:14 PM | |
|-----------------------------|--------|----------------------|---------|----------------------------|----------------|---------------|---------------|--------|-----------------------------------|------|
| Client ID: | | Run ID: VMS6_100822A | | | SeqNo: 1392135 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 18.71 | 1.0 | 20 | 0 | 93.6 | 80-120 | 19.37 | 3.47 | 30 | |
| Ethylbenzene | 19 | 1.0 | 20 | 0 | 95 | 75-125 | 19.46 | 2.39 | 30 | |
| m,p-Xylene | 38.32 | 2.0 | 40 | 0 | 95.8 | 75-130 | 39.23 | 2.35 | 30 | |
| o-Xylene | 18.74 | 1.0 | 20 | 0 | 93.7 | 80-120 | 19.13 | 2.06 | 30 | |
| Toluene | 18.99 | 1.0 | 20 | 0 | 95 | 75-120 | 19.45 | 2.39 | 30 | |
| Xylenes, Total | 57.06 | 2.0 | 60 | 0 | 95.1 | 75-130 | 58.36 | 2.25 | 30 | |
| Surr: 1,2-Dichloroethane-d4 | 101.8 | 0 | 100 | 0 | 102 | 70-120 | 102 | 0.137 | 30 | |
| Surr: 4-Bromofluorobenzene | 100.5 | 0 | 100 | 0 | 101 | 75-120 | 100.6 | 0.0398 | 30 | |
| Surr: Dibromofluoromethane | 104.4 | 0 | 100 | 0 | 104 | 85-115 | 103.2 | 1.19 | 30 | |
| Surr: Toluene-d8 | 101.2 | 0 | 100 | 0 | 101 | 85-120 | 100.8 | 0.396 | 30 | |

The following samples were analyzed in this batch:

1008474-01A 1008474-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80270** Instrument ID **VMS7** Method: **SW8260**

| MBLK | Sample ID: VBLKW1-100822-R80270 | | | | Units: µg/L | | Analysis Date: 8/22/2010 01:24 PM | | | |
|------------------------------------|--|----------|------------|---------------|-----------------------|---------------|--|------|--------------|------|
| Client ID: | Run ID: VMS7_100822A | | | | SeqNo: 1392106 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| m,p-Xylene | ND | 2.0 | | | | | | | | |
| o-Xylene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>85.19</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>85.2</i> | <i>70-120</i> | <i>0</i> | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>103.1</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>103</i> | <i>75-120</i> | <i>0</i> | | | |
| <i>Surr: Dibromofluoromethane</i> | <i>89.14</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>89.1</i> | <i>85-115</i> | <i>0</i> | | | |
| <i>Surr: Toluene-d8</i> | <i>94.72</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>94.7</i> | <i>85-120</i> | <i>0</i> | | | |

| LCS | Sample ID: VLCSW1-100822-R80270 | | | | Units: µg/L | | Analysis Date: 8/22/2010 12:02 PM | | | |
|------------------------------------|--|----------|------------|---------------|-----------------------|---------------|--|------|--------------|------|
| Client ID: | Run ID: VMS7_100822A | | | | SeqNo: 1392041 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.31 | 1.0 | 20 | 0 | 96.6 | 80-120 | 0 | | | |
| Ethylbenzene | 18.94 | 1.0 | 20 | 0 | 94.7 | 75-125 | 0 | | | |
| m,p-Xylene | 37.49 | 2.0 | 40 | 0 | 93.7 | 75-130 | 0 | | | |
| o-Xylene | 19.09 | 1.0 | 20 | 0 | 95.4 | 80-120 | 0 | | | |
| Toluene | 19.5 | 1.0 | 20 | 0 | 97.5 | 75-120 | 0 | | | |
| Xylenes, Total | 56.58 | 2.0 | 60 | 0 | 94.3 | 75-130 | 0 | | | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>80.13</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>80.1</i> | <i>70-120</i> | <i>0</i> | | | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>99.32</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>99.3</i> | <i>75-120</i> | <i>0</i> | | | |
| <i>Surr: Dibromofluoromethane</i> | <i>87.79</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>87.8</i> | <i>85-115</i> | <i>0</i> | | | |
| <i>Surr: Toluene-d8</i> | <i>99.15</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>99.2</i> | <i>85-120</i> | <i>0</i> | | | |

| LCSD | Sample ID: VLCSW1-100822-R80270 | | | | Units: µg/L | | Analysis Date: 8/22/2010 12:29 PM | | | |
|------------------------------------|--|----------|------------|---------------|-----------------------|---------------|--|--------------|--------------|------|
| Client ID: | Run ID: VMS7_100822A | | | | SeqNo: 1392042 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 18.22 | 1.0 | 20 | 0 | 91.1 | 80-120 | 19.31 | 5.81 | 30 | |
| Ethylbenzene | 17.81 | 1.0 | 20 | 0 | 89 | 75-125 | 18.94 | 6.15 | 30 | |
| m,p-Xylene | 34.75 | 2.0 | 40 | 0 | 86.9 | 75-130 | 37.49 | 7.59 | 30 | |
| o-Xylene | 18.05 | 1.0 | 20 | 0 | 90.2 | 80-120 | 19.09 | 5.6 | 30 | |
| Toluene | 17.85 | 1.0 | 20 | 0 | 89.2 | 75-120 | 19.5 | 8.84 | 30 | |
| Xylenes, Total | 52.8 | 2.0 | 60 | 0 | 88 | 75-130 | 56.58 | 6.91 | 30 | |
| <i>Surr: 1,2-Dichloroethane-d4</i> | <i>80.55</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>80.6</i> | <i>70-120</i> | <i>80.13</i> | <i>0.523</i> | <i>30</i> | |
| <i>Surr: 4-Bromofluorobenzene</i> | <i>98.87</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>98.9</i> | <i>75-120</i> | <i>99.32</i> | <i>0.454</i> | <i>30</i> | |
| <i>Surr: Dibromofluoromethane</i> | <i>88.6</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>88.6</i> | <i>85-115</i> | <i>87.79</i> | <i>0.918</i> | <i>30</i> | |
| <i>Surr: Toluene-d8</i> | <i>96.39</i> | <i>0</i> | <i>100</i> | <i>0</i> | <i>96.4</i> | <i>85-120</i> | <i>99.15</i> | <i>2.82</i> | <i>30</i> | |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80270** Instrument ID **VMS7** Method: **SW8260**

| MS | | | | Sample ID: 1008484-01B MS | | Units: µg/L | | Analysis Date: 8/22/2010 06:52 PM | | |
|-----------------------------|--------|----------------------|---------|---------------------------|----------------|---------------|---------------|-----------------------------------|-----------|------|
| Client ID: | | Run ID: VMS7_100822A | | | SeqNo: 1392108 | | Prep Date: | | DF: 1 | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Benzene | 19.13 | 1.0 | 20 | 0 | 95.6 | 80-120 | 0 | | | |
| Ethylbenzene | 18.64 | 1.0 | 20 | 0 | 93.2 | 75-125 | 0 | | | |
| m,p-Xylene | 36.76 | 2.0 | 40 | 0 | 91.9 | 75-130 | 0 | | | |
| o-Xylene | 18.69 | 1.0 | 20 | 0 | 93.4 | 80-120 | 0 | | | |
| Toluene | 19.16 | 1.0 | 20 | 0 | 95.8 | 75-120 | 0 | | | |
| Xylenes, Total | 55.45 | 2.0 | 60 | 0 | 92.4 | 75-130 | 0 | | | |
| Surr: 1,2-Dichloroethane-d4 | 84.93 | 0 | 100 | 0 | 84.9 | 70-120 | 0 | | | |
| Surr: 4-Bromofluorobenzene | 102.3 | 0 | 100 | 0 | 102 | 75-120 | 0 | | | |
| Surr: Dibromofluoromethane | 92.13 | 0 | 100 | 0 | 92.1 | 85-115 | 0 | | | |
| Surr: Toluene-d8 | 98.36 | 0 | 100 | 0 | 98.4 | 85-120 | 0 | | | |

| MSD | | | | Sample ID: 1008484-01B MSD | | | Units: µg/L | | Analysis Date: 8/22/2010 07:19 PM | | |
|-----------------------------|--------|----------------------|---------|----------------------------|----------------|---------------|---------------|-------|-----------------------------------|------|--|
| Client ID: | | Run ID: VMS7_100822A | | | SeqNo: 1392109 | | Prep Date: | | DF: 1 | | |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual | |
| Benzene | 18.9 | 1.0 | 20 | 0 | 94.5 | 80-120 | 19.13 | 1.21 | 30 | | |
| Ethylbenzene | 18.62 | 1.0 | 20 | 0 | 93.1 | 75-125 | 18.64 | 0.107 | 30 | | |
| m,p-Xylene | 36.16 | 2.0 | 40 | 0 | 90.4 | 75-130 | 36.76 | 1.65 | 30 | | |
| o-Xylene | 18.63 | 1.0 | 20 | 0 | 93.2 | 80-120 | 18.69 | 0.322 | 30 | | |
| Toluene | 18.88 | 1.0 | 20 | 0 | 94.4 | 75-120 | 19.16 | 1.47 | 30 | | |
| Xylenes, Total | 54.79 | 2.0 | 60 | 0 | 91.3 | 75-130 | 55.45 | 1.2 | 30 | | |
| Surr: 1,2-Dichloroethane-d4 | 83.76 | 0 | 100 | 0 | 83.8 | 70-120 | 84.93 | 1.39 | 30 | | |
| Surr: 4-Bromofluorobenzene | 100.2 | 0 | 100 | 0 | 100 | 75-120 | 102.3 | 2.08 | 30 | | |
| Surr: Dibromofluoromethane | 89.5 | 0 | 100 | 0 | 89.5 | 85-115 | 92.13 | 2.9 | 30 | | |
| Surr: Toluene-d8 | 98.47 | 0 | 100 | 0 | 98.5 | 85-120 | 98.36 | 0.112 | 30 | | |

The following samples were analyzed in this batch:

1008474-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80266** Instrument ID **IC3** Method: **E300.0**

| | | | | | | | | | | |
|-------------|-----------------------------------|-----|---------|---------------|-----------------------|---------------|---------------|--|-----------|--------------|
| MBLK | Sample ID: CCB/MBLK-R80266 | | | | Units: mg/L | | | Analysis Date: 8/20/2010 10:17 AM | | |
| Client ID: | Run ID: IC3_100820A | | | | SeqNo: 1391952 | | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | ND | 1.0 | | | | | | | | |

| | | | | | | | | | | |
|-------------|-----------------------------------|-----|---------|---------------|-----------------------|---------------|---------------|--|-----------|--------------|
| MBLK | Sample ID: CCB/MBLK-R80266 | | | | Units: mg/L | | | Analysis Date: 8/20/2010 10:17 AM | | |
| Client ID: | Run ID: IC3_100820A | | | | SeqNo: 1391974 | | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | ND | 1.0 | | | | | | | | |

| | | | | | | | | | | |
|------------|----------------------------------|-----|---------|---------------|-----------------------|---------------|---------------|--|-----------|--------------|
| LCS | Sample ID: CCV/LCS-R80266 | | | | Units: mg/L | | | Analysis Date: 8/20/2010 10:37 AM | | |
| Client ID: | Run ID: IC3_100820A | | | | SeqNo: 1391953 | | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 9.687 | 1.0 | 10 | 0 | 96.9 | 80-120 | 0 | | | |

| | | | | | | | | | | |
|------------|----------------------------------|-----|---------|---------------|-----------------------|---------------|---------------|--|-----------|--------------|
| LCS | Sample ID: CCV/LCS-R80266 | | | | Units: mg/L | | | Analysis Date: 8/20/2010 10:37 AM | | |
| Client ID: | Run ID: IC3_100820A | | | | SeqNo: 1391977 | | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 9.687 | 1.0 | 10 | 0 | 96.9 | 80-120 | 0 | | | |

| | | | | | | | | | | |
|-------------|-----------------------------------|-----|---------|---------------|-----------------------|---------------|---------------|--|-----------|--------------|
| LCSD | Sample ID: CCV/LCSD-R80266 | | | | Units: mg/L | | | Analysis Date: 8/20/2010 10:56 AM | | |
| Client ID: | Run ID: IC3_100820A | | | | SeqNo: 1391954 | | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 9.672 | 1.0 | 10 | 0 | 96.7 | 80-120 | 9.687 | 0.157 | 20 | |

| | | | | | | | | | | |
|-------------|-----------------------------------|-----|---------|---------------|-----------------------|---------------|---------------|--|-----------|--------------|
| LCSD | Sample ID: CCV/LCSD-R80266 | | | | Units: mg/L | | | Analysis Date: 8/20/2010 10:56 AM | | |
| Client ID: | Run ID: IC3_100820A | | | | SeqNo: 1391978 | | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 9.672 | 1.0 | 10 | 0 | 96.7 | 80-120 | 9.687 | 0.157 | 20 | |

| | | | | | | | | | | |
|--------------------------|----------------------------------|-----|---------|---------------|-----------------------|---------------|---------------|--|-----------|---------------|
| MS | Sample ID: 1008474-01B MS | | | | Units: mg/L | | | Analysis Date: 8/20/2010 11:36 AM | | |
| Client ID: Seep 1 | Run ID: IC3_100820A | | | | SeqNo: 1391956 | | | Prep Date: | | DF: 10 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 170.3 | 10 | 10 | 162 | 83.3 | 75-125 | 0 | | | O |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: HRL Compliance Solutions
Work Order: 1008474
Project: Antero Gravel Pit Release 8/17/10

QC BATCH REPORT

Batch ID: **R80266** Instrument ID **IC3** Method: **E300.0**

| | | | | | | | | | | |
|------------|--------|----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MS | | Sample ID: 1008473-06A MS | | | | Units: mg/L | | Analysis Date: 8/20/2010 01:34 PM | | |
| Client ID: | | Run ID: IC3_100820A | | | | SeqNo: 1391964 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 13.66 | 1.0 | 10 | 3.24 | 104 | 75-125 | 0 | | | |

| | | | | | | | | | | |
|--------------------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|---------------|
| MSD | | Sample ID: 1008474-01B MSD | | | | Units: mg/L | | Analysis Date: 8/20/2010 11:55 AM | | |
| Client ID: Seep 1 | | Run ID: IC3_100820A | | | | SeqNo: 1391957 | | Prep Date: | | DF: 10 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 170.9 | 10 | 10 | 162 | 89.8 | 75-125 | 170.3 | 0.383 | 20 | O |

| | | | | | | | | | | |
|------------|--------|-----------------------------------|---------|---------------|------|-----------------------|---------------|--|-----------|--------------|
| MSD | | Sample ID: 1008473-06A MSD | | | | Units: mg/L | | Analysis Date: 8/20/2010 01:54 PM | | |
| Client ID: | | Run ID: IC3_100820A | | | | SeqNo: 1391965 | | Prep Date: | | DF: 1 |
| Analyte | Result | PQL | SPK Val | SPK Ref Value | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit | Qual |
| Chloride | 13.5 | 1.0 | 10 | 3.24 | 103 | 75-125 | 13.66 | 1.18 | 20 | |

The following samples were analyzed in this batch:

| | | |
|-------------|-------------|-------------|
| 1008474-01B | 1008474-02B | 1008474-03B |
| 1008474-04B | | |



Note: See Qualifiers Page for a list of Qualifiers and their explanation.



1008474

Form 202r8

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

| | SIGNATURE | PRINTED NAME | DATE | TIME |
|-----------------|---|---------------|---------|-------|
| RELINQUISHED BY |  | Raul Wole | 8/18/10 | 17:30 |
| RECEIVED BY |  | Keru WIERENCA | 8/19/10 | 1450 |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **19-Aug-10 14:50**

Work Order: **1008474**

Received by: **KRW**

Checklist completed by Keith Wurenga 19-Aug-10
eSignature Date

Reviewed by: Ann Preston 23-Aug-10
eSignature Date

Matrices: **Water**

Carrier name: **FedEx**

| | | | |
|---|---|--|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature(s)/Thermometer(s): | <u>4.6 C</u> | | |
| Cooler(s)/Kit(s): | | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |
| pH adjusted by: | | | |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:

From **8/18/10** Sender's FedEx Account Number **970 243-3371**

Sender's Name **Mark Mumby** Phone **970 243-3371**

Company **HRK Compliance**

Address **744 Holliston Ct Suite 140** Dept/Floor/Suite/Room

City **Grand Junction** State **CO** ZIP **81506**

Our Internal Billing Reference

To Recipient's Name **Sample Receiving** Phone **616-399-6070**

Company **AKS Group**

Address **3352 128th Ave** Dept/Floor/Suite/Room

City **Holland** State **MI** ZIP **49424**

as this line for the HOLD location address or for continuation of your shipping address.

4a Express Package Service * To most locations. Packages up to 150 lbs.

01 ☐ **FedEx Priority Overnight** Next business morning. * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ **FedEx Standard Overnight** Next business afternoon. Saturday Delivery NOT available.

06 ☐ **FedEx First Overnight** Earliest next business morning delivery to select locations.

03 ☐ **FedEx 2Day** Second business day. * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ **FedEx Express Saver** Third business day. Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. Packages over 150 lbs.

70 ☐ **FedEx 1Day Freight** Next business day. * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

80 ☐ **FedEx 2Day Freight** Second business day. * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 ☐ **FedEx 3Day Freight** Third business day. * Saturday Delivery NOT available.

5 Packaging * Declared value limit \$200.

06 ☐ **FedEx Envelope** * Includes FedEx Small Pak and FedEx Large Pak.

02 ☐ **FedEx Pak** * Includes FedEx Small Pak and FedEx Large Pak.

03 ☐ **FedEx Box**

04 ☐ **FedEx Tube**

01 ☐ **Other**

6 Special Handling and Delivery Signature Options

03 ☐ **SATURDAY DELIVERY**

☒ **No Signature Required** Package may be left without obtaining a signature for delivery.

10 ☐ **Direct Signature** Someone at recipient's address may sign for delivery. Fee applies.

34 ☐ **Indirect Signature** If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

☐ **No** ☐ **Yes** One box must be checked. Shipper's Declaration not required.

☐ **No** ☐ **Yes** As per attached Shipper's Declaration. Shipper's Declaration not required.

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ **Dry Ice** Dry ice, 9, UN 1845 x kg

☐ **Cargo Aircraft Only**

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

1 ☐ **Sender** Acct. No. in Section I will be billed.

2 ☒ **Recipient**

3 ☐ **Third Party**

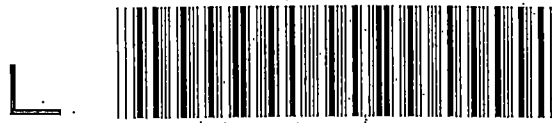
4 ☐ **Credit Card**

5 ☐ **Cash/Check**

Total Packages **1** Total Weight **22** lbs.

Obtain recip. Acct. No. **606**

Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.



8722 9432 0695

1.4°C

Part 159280/159281 - Rev. Date 2/10

Air Transportation included A Federal excise tax when required by the Internal Revenue Code on the transportation portion of this service. If any is paid by us, FedEx will, at your request and with some limitations, refund or credit all transportation charges. See the current FedEx Service Guide for more information.

Money-Back Guarantee In the event of untimely delivery, FedEx will, at your request and with some limitations, refund or credit all transportation charges. See the current FedEx Service Guide for more information.

Service is required, please use a FedEx Service Guide for more information.

CUSTODY SEAL



9601 San Leandro St. Oakland, CA 94603-3339

Available for inspection

you give them to us to deliver.

reserve the right to reject a

ments, equipment, or

s prohibited by law, or if the

ms of our Airbill or the current

SERVICE IS NOT AVAILABLE WITH

THIS AIRBILL. If C.O.D. is

C.O.D. Airbill.

Air Transportation included A Federal excise

tax when required by the Internal Revenue Code on the

transportation portion of this service. If any is paid by us,

FedEx will, at your request and with some limitations, refund

or credit all transportation charges. See the current FedEx

Service Guide for more information.

Money-Back Guarantee In the event of untimely delivery,

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Such items as **valuable instruments**, and other items listed in the current FedEx Service Guide.

• You may send more than one package on this Airbill, and all packages must be sealed and labeled as **restricted** (and all packages must be sealed and labeled as **restricted**).

• Example: 5 packages can have a total declared value of up to \$250,000. In that case, our liability is limited to the actual value of the package(s) lost or damaged, but may not exceed the maximum allowable declared value(s) or the total declared value, whichever is less. You are responsible for proving the actual loss or damage.

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Date: **8/18/10**

Signature: **[Signature]**

Responsibility for Packaging and Contents

You are responsible for adequately packaging your goods and properly filling out this Airbill. You must make the original shipping cartons and packing slips, and you may not deduct the amount of your claim from those charges.

If the recipient accepts a package without noting any damage on the delivery record, we will assume the package was delivered in good condition. For us to process your claim, you must still file a timely written claim. We aren't obligated to act on any claim until you have paid all transportation charges, and you may not deduct the amount of your claim from those charges.

You may call our Customer Service department at 1.800.FedEx (1.800.463.3339) to report a claim; however, set out in the current FedEx Service Guide.

Writing a Claim YOU MUST MAKE ALL CLAIMS IN WRITING and notify us of your claim within strict time limits.

Agreement to Terms By giving us your package to deliver, you agree to all the terms on this Airbill and in the current FedEx Service Guide, which is available upon request. You also agree to those terms on behalf of any third party with an interest in the package. If there is a conflict between the current FedEx Service Guide and this Airbill, the current FedEx Service Guide will control. No one is authorized to change the terms of our Agreement.

Definitions On this Airbill, "we," "our," "us," and "FedEx" refer to Federal Express Corporation, its employees, and agents. "You" and "your" refer to the sender, its employees, and agents.

Limitations On Our Liability Our liability is limited to the lesser of your actual damages or \$100, unless you declare a higher value, pay an additional charge, and document your actual loss in a timely manner. You may pay an additional charge for each additional \$100 of declared value. The declared value does not constitute, nor do we provide, cargo liability insurance.

In any event, we will not be liable for any damage, whether direct, incidental, special, or consequential, in excess of the declared value of a shipment, whether or not FedEx had knowledge that such damages might be incurred, including but not limited to loss of income or profits.