

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

September 04, 2015

Monica Peterson
OMI CH2M Hill Farmington
615 S. Carlton
Farmington, NM 87401
TEL: (505) 325-6953
FAX (505) 564-2680

RE: Post Gold King Mine Spill-Rain Event

OrderNo.: 1508D69

Dear Monica Peterson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/27/2015 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1508D69

Date Reported: 9/4/2015

CLIENT: OMI CH2M Hill Farmington

Client Sample ID: APS #2 Boat Access/20150827-3

Project: Post Gold King Mine Spill-Rain Event

Collection Date: 8/27/2015 9:16:00 AM

Lab ID: 1508D69-001

Matrix: AQUEOUS

Received Date: 8/27/2015 4:42:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|----------------------------------|---------|---------|------|-------|----|----------------------|---------------------|
| EPA 200.8: METALS | | | | | | | Analyst: DBD |
| Antimony | ND | 0.0010 | | mg/L | 1 | 9/1/2015 4:21:24 PM | 21077 |
| Arsenic | 0.016 | 0.0010 | * | mg/L | 1 | 9/1/2015 4:21:24 PM | 21077 |
| Copper | 0.15 | 0.010 | | mg/L | 10 | 9/1/2015 4:36:53 PM | 21077 |
| Lead | 0.17 | 0.0050 | * | mg/L | 10 | 9/1/2015 4:36:53 PM | 21077 |
| Selenium | ND | 0.010 | | mg/L | 10 | 9/1/2015 4:36:53 PM | 21077 |
| Thallium | 0.0013 | 0.00050 | | mg/L | 1 | 9/1/2015 4:21:24 PM | 21077 |
| EPA METHOD 200.7: METALS | | | | | | | Analyst: ELS |
| Barium | 2.5 | 0.010 | * | mg/L | 5 | 9/2/2015 11:47:42 AM | 21077 |
| Beryllium | 0.011 | 0.0020 | * | mg/L | 1 | 9/2/2015 11:45:47 AM | 21077 |
| Cadmium | ND | 0.0020 | | mg/L | 1 | 9/2/2015 11:45:47 AM | 21077 |
| Chromium | 0.070 | 0.0060 | | mg/L | 1 | 9/2/2015 11:45:47 AM | 21077 |
| EPA METHOD 245.1: MERCURY | | | | | | | Analyst: JLF |
| Mercury | 0.00027 | 0.00020 | | mg/L | 1 | 9/1/2015 1:59:14 PM | 21061 |

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

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Value above quantitation range |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| | S % Recovery outside of range due to dilution or matrix | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1508D69

Date Reported: 9/4/2015

CLIENT: OMI CH2M Hill Farmington

Client Sample ID: APS #2 Boat Access/20150827-1

Project: Post Gold King Mine Spill-Rain Event

Collection Date: 8/27/2015 9:06:00 AM

Lab ID: 1508D69-002

Matrix: AQUEOUS

Received Date: 8/27/2015 4:42:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|---------|------|-------|----|-----------------------|---------------------|
| EPA 200.8: DISSOLVED METALS | | | | | | | Analyst: DBD |
| Antimony | ND | 0.0010 | | mg/L | 1 | 8/28/2015 12:37:08 PM | B28531 |
| Arsenic | 0.0020 | 0.0010 | | mg/L | 1 | 8/28/2015 11:34:53 AM | B28531 |
| Copper | 0.0051 | 0.0010 | | mg/L | 1 | 8/28/2015 11:34:53 AM | B28531 |
| Lead | 0.0020 | 0.00050 | | mg/L | 1 | 8/28/2015 11:34:53 AM | B28531 |
| Selenium | ND | 0.0010 | | mg/L | 1 | 8/28/2015 11:34:53 AM | B28531 |
| Thallium | ND | 0.00050 | | mg/L | 1 | 8/28/2015 11:34:53 AM | B28531 |
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: TES |
| Barium | 0.27 | 0.0020 | | mg/L | 1 | 8/28/2015 10:18:52 AM | A28524 |
| Beryllium | ND | 0.0020 | | mg/L | 1 | 8/28/2015 10:18:52 AM | A28524 |
| Cadmium | ND | 0.0020 | | mg/L | 1 | 8/28/2015 10:18:52 AM | A28524 |
| Chromium | ND | 0.0060 | | mg/L | 1 | 8/28/2015 10:18:52 AM | A28524 |
| EPA METHOD 245.1: MERCURY | | | | | | | Analyst: JLF |
| Mercury | ND | 0.00020 | | mg/L | 1 | 9/1/2015 2:01:18 PM | 21061 |

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

| | | | |
|--------------------|---|---|-------------|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank | Page 2 of 7 |
| | D Sample Diluted Due to Matrix | E Value above quantitation range | |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits | |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range | |
| | R RPD outside accepted recovery limits | RL Reporting Detection Limit | |
| | S % Recovery outside of range due to dilution or matrix | | |

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB **Batch #:** 150901020
Address: 4901 HAWKINS NE SUITE D **Project Name:** 1508D69
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Analytical Results Report

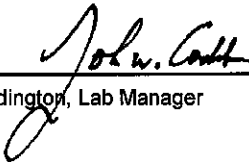
Sample Number 150901020-001 **Sampling Date** 8/27/2015 **Date/Time Received** 9/1/2015 11:50 AM
Client Sample ID 1508D69-003A / APS #2 BOAT **Sampling Time** 9:12 AM
ACCESS/20150827-2

Matrix Water

Comments

| Parameter | Result | Units | PQL | Analysis Date | Analyst | Method | Qualifier |
|-----------|--------|-------|------|---------------|---------|-----------|-----------|
| Cyanide | ND | mg/L | 0.01 | 9/2/2015 | MER | EPA 335.4 | |

Authorized Signature



John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB **Batch #:** 150901020
Address: 4901 HAWKINS NE SUITE D **Project Name:** 1508D69
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Analytical Results Report Quality Control Data

Lab Control Sample

| Parameter | LCS Result | Units | LCS Spike | %Rec | AR %Rec | Prep Date | Analysis Date |
|-----------|------------|-------|-----------|------|---------|-----------|---------------|
| Cyanide | 0.484 | mg/L | 0.5 | 96.8 | 90-110 | 9/2/2015 | 9/2/2015 |

Matrix Spike

| Sample Number | Parameter | Sample Result | MS Result | Units | MS Spike | %Rec | AR %Rec | Prep Date | Analysis Date |
|---------------|-----------|---------------|-----------|-------|----------|------|---------|-----------|---------------|
| 150901020-001 | Cyanide | ND | 0.474 | mg/L | 0.5 | 94.8 | 90-110 | 9/2/2015 | 9/2/2015 |

Matrix Spike Duplicate

| Parameter | MSD Result | Units | MSD Spike | %Rec | %RPD | AR %RPD | Prep Date | Analysis Date |
|-----------|------------|-------|-----------|------|------|---------|-----------|---------------|
| Cyanide | 0.450 | mg/L | 0.5 | 90.0 | 5.2 | 0-20 | 9/2/2015 | 9/2/2015 |

Method Blank

| Parameter | Result | Units | PQL | Prep Date | Analysis Date |
|-----------|--------|-------|------|-----------|---------------|
| Cyanide | ND | mg/L | 0.01 | 9/2/2015 | 9/2/2015 |

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508D69

04-Sep-15

Client: OMI CH2M Hill Farmington
Project: Post Gold King Mine Spill-Rain Event

| Sample ID | MB-21077 | SampType: | MBLK | TestCode: | EPA Method 200.7: Metals | | | | | |
|------------|-----------------|----------------|-----------------|-------------|---------------------------------|----------|-------------|------|----------|------|
| Client ID: | PBW | Batch ID: | 21077 | RunNo: | 28618 | | | | | |
| Prep Date: | 9/1/2015 | Analysis Date: | 9/2/2015 | SeqNo: | 865883 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | ND | 0.0020 | | | | | | | | |
| Beryllium | ND | 0.0020 | | | | | | | | |
| Cadmium | ND | 0.0020 | | | | | | | | |
| Chromium | ND | 0.0060 | | | | | | | | |

| Sample ID | LCS-21077 | SampType: | LCS | TestCode: | EPA Method 200.7: Metals | | | | | |
|------------|------------------|----------------|-----------------|-------------|---------------------------------|----------|-------------|------|----------|------|
| Client ID: | LCSW | Batch ID: | 21077 | RunNo: | 28618 | | | | | |
| Prep Date: | 9/1/2015 | Analysis Date: | 9/2/2015 | SeqNo: | 865884 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | 0.49 | 0.0020 | 0.5000 | 0 | 98.8 | 85 | 115 | | | |
| Beryllium | 0.51 | 0.0020 | 0.5000 | 0 | 101 | 85 | 115 | | | |
| Cadmium | 0.52 | 0.0020 | 0.5000 | 0 | 103 | 85 | 115 | | | |
| Chromium | 0.49 | 0.0060 | 0.5000 | 0 | 98.0 | 85 | 115 | | | |

| Sample ID | LLLCS-21077 | SampType: | LCSLL | TestCode: | EPA Method 200.7: Metals | | | | | |
|------------|--------------------|----------------|-----------------|-------------|---------------------------------|----------|-------------|------|----------|------|
| Client ID: | BatchQC | Batch ID: | 21077 | RunNo: | 28618 | | | | | |
| Prep Date: | 9/1/2015 | Analysis Date: | 9/2/2015 | SeqNo: | 865885 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | 0.0023 | 0.0020 | 0.002000 | 0 | 116 | 50 | 150 | | | |
| Beryllium | ND | 0.0020 | 0.002000 | 0 | 93.5 | 50 | 150 | | | |
| Cadmium | ND | 0.0020 | 0.002000 | 0 | 89.5 | 50 | 150 | | | |
| Chromium | 0.0069 | 0.0060 | 0.006000 | 0 | 114 | 50 | 150 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508D69

04-Sep-15

Client: OMI CH2M Hill Farmington
Project: Post Gold King Mine Spill-Rain Event

| Sample ID MB | SampType: MBLK | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|-----------------------|---------------------------------|--------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: A28524 | | RunNo: 28524 | | | | | | | |
| Prep Date: | Analysis Date: 8/28/2015 | | SeqNo: 862840 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | ND | 0.0020 | | | | | | | | |
| Beryllium | ND | 0.0020 | | | | | | | | |
| Cadmium | ND | 0.0020 | | | | | | | | |
| Chromium | ND | 0.0060 | | | | | | | | |

| Sample ID LCS | SampType: LCS | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|------------------------|---------------------------------|--------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A28524 | | RunNo: 28524 | | | | | | | |
| Prep Date: | Analysis Date: 8/28/2015 | | SeqNo: 862841 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | 0.48 | 0.0020 | 0.5000 | 0 | 96.3 | 85 | 115 | | | |
| Beryllium | 0.50 | 0.0020 | 0.5000 | 0 | 100 | 85 | 115 | | | |
| Cadmium | 0.49 | 0.0020 | 0.5000 | 0 | 97.2 | 85 | 115 | | | |
| Chromium | 0.48 | 0.0060 | 0.5000 | 0 | 95.3 | 85 | 115 | | | |

| Sample ID LLLCS | SampType: LCSLL | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|---------------------------|---------------------------------|--------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: A28524 | | RunNo: 28524 | | | | | | | |
| Prep Date: | Analysis Date: 8/28/2015 | | SeqNo: 862842 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | 0.0023 | 0.0020 | 0.002000 | 0 | 114 | 50 | 150 | | | |
| Beryllium | 0.0021 | 0.0020 | 0.002000 | 0 | 105 | 50 | 150 | | | |
| Cadmium | 0.0021 | 0.0020 | 0.002000 | 0 | 106 | 50 | 150 | | | |
| Chromium | ND | 0.0060 | 0.006000 | 0 | 93.5 | 50 | 150 | | | |

| Sample ID LCSD | SampType: LCSD | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|--------------------------|---------------------------------|--------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS02 | Batch ID: A28524 | | RunNo: 28524 | | | | | | | |
| Prep Date: | Analysis Date: 8/28/2015 | | SeqNo: 862969 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Barium | 0.51 | 0.0020 | 0.5000 | 0 | 101 | 85 | 115 | 4.91 | 20 | |
| Beryllium | 0.51 | 0.0020 | 0.5000 | 0 | 103 | 85 | 115 | 2.91 | 20 | |
| Cadmium | 0.51 | 0.0020 | 0.5000 | 0 | 101 | 85 | 115 | 3.99 | 20 | |
| Chromium | 0.50 | 0.0060 | 0.5000 | 0 | 100 | 85 | 115 | 5.26 | 20 | |

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
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508D69

04-Sep-15

Client: OMI CH2M Hill Farmington
Project: Post Gold King Mine Spill-Rain Event

| Sample ID | MB-21077 | SampType: | MBLK | TestCode: | EPA 200.8: Metals | | | | | |
|------------|-----------------|----------------|-----------------|-------------|--------------------------|----------|-------------|------|----------|------|
| Client ID: | PBW | Batch ID: | 21077 | RunNo: | 28605 | | | | | |
| Prep Date: | 9/1/2015 | Analysis Date: | 9/1/2015 | SeqNo: | 865302 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | ND | 0.0010 | | | | | | | | |
| Arsenic | ND | 0.0010 | | | | | | | | |
| Copper | ND | 0.0010 | | | | | | | | |
| Lead | ND | 0.00050 | | | | | | | | |
| Selenium | ND | 0.0010 | | | | | | | | |
| Thallium | ND | 0.00050 | | | | | | | | |

| Sample ID | MSLCS-21077 | SampType: | LCS | TestCode: | EPA 200.8: Metals | | | | | |
|------------|--------------------|----------------|-----------------|-------------|--------------------------|----------|-------------|------|----------|------|
| Client ID: | LCSW | Batch ID: | 21077 | RunNo: | 28605 | | | | | |
| Prep Date: | 9/1/2015 | Analysis Date: | 9/1/2015 | SeqNo: | 865304 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | 0.028 | 0.0010 | 0.02500 | 0 | 114 | 85 | 115 | | | |
| Arsenic | 0.025 | 0.0010 | 0.02500 | 0 | 98.5 | 85 | 115 | | | |
| Copper | 0.026 | 0.0010 | 0.02500 | 0 | 104 | 85 | 115 | | | |
| Lead | 0.013 | 0.00050 | 0.01250 | 0 | 104 | 85 | 115 | | | |
| Selenium | 0.024 | 0.0010 | 0.02500 | 0 | 96.2 | 85 | 115 | | | |
| Thallium | 0.013 | 0.00050 | 0.01250 | 0 | 105 | 85 | 115 | | | |

| Sample ID | MSLLCS-21077 | SampType: | LCSLL | TestCode: | EPA 200.8: Metals | | | | | |
|------------|---------------------|----------------|-----------------|-------------|--------------------------|----------|-------------|------|----------|------|
| Client ID: | BatchQC | Batch ID: | 21077 | RunNo: | 28605 | | | | | |
| Prep Date: | 9/1/2015 | Analysis Date: | 9/1/2015 | SeqNo: | 865307 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | ND | 0.0010 | 0.001000 | 0 | 86.8 | 50 | 150 | | | |
| Arsenic | ND | 0.0010 | 0.001000 | 0 | 92.3 | 50 | 150 | | | |
| Copper | 0.0011 | 0.0010 | 0.001000 | 0 | 113 | 50 | 150 | | | |
| Lead | 0.00054 | 0.00050 | 0.0005000 | 0 | 107 | 50 | 150 | | | |
| Selenium | ND | 0.0010 | 0.001000 | 0 | 89.5 | 50 | 150 | | | |
| Thallium | 0.00052 | 0.00050 | 0.0005000 | 0 | 104 | 50 | 150 | | | |

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508D69

04-Sep-15

Client: OMI CH2M Hill Farmington
Project: Post Gold King Mine Spill-Rain Event

| Sample ID LLLCS | SampType: LCSLL | | TestCode: EPA 200.8: Dissolved Metals | | | | | | | |
|---------------------------|---------------------------------|---------|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: B28531 | | RunNo: 28531 | | | | | | | |
| Prep Date: | Analysis Date: 8/28/2015 | | SeqNo: 863010 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | 0.0010 | 0.0010 | 0.001000 | 0 | 102 | 50 | 150 | | | |
| Arsenic | 0.0010 | 0.0010 | 0.001000 | 0 | 101 | 50 | 150 | | | |
| Copper | 0.0012 | 0.0010 | 0.001000 | 0 | 121 | 50 | 150 | | | |
| Lead | 0.00052 | 0.00050 | 0.0005000 | 0 | 104 | 50 | 150 | | | |
| Selenium | 0.0010 | 0.0010 | 0.001000 | 0 | 101 | 50 | 150 | | | |
| Thallium | 0.00051 | 0.00050 | 0.0005000 | 0 | 102 | 50 | 150 | | | |

| Sample ID MB | SampType: MBLK | | TestCode: EPA 200.8: Dissolved Metals | | | | | | | |
|-----------------------|---------------------------------|---------|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: B28531 | | RunNo: 28531 | | | | | | | |
| Prep Date: | Analysis Date: 8/28/2015 | | SeqNo: 863011 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | ND | 0.0010 | | | | | | | | |
| Arsenic | ND | 0.0010 | | | | | | | | |
| Copper | ND | 0.0010 | | | | | | | | |
| Lead | ND | 0.00050 | | | | | | | | |
| Selenium | ND | 0.0010 | | | | | | | | |
| Thallium | ND | 0.00050 | | | | | | | | |

| Sample ID LCS | SampType: LCS | | TestCode: EPA 200.8: Dissolved Metals | | | | | | | |
|------------------------|---------------------------------|---------|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: B28531 | | RunNo: 28531 | | | | | | | |
| Prep Date: | Analysis Date: 8/28/2015 | | SeqNo: 863012 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | 0.024 | 0.0010 | 0.02500 | 0 | 97.6 | 85 | 115 | | | |
| Arsenic | 0.025 | 0.0010 | 0.02500 | 0 | 98.3 | 85 | 115 | | | |
| Copper | 0.025 | 0.0010 | 0.02500 | 0 | 98.3 | 85 | 115 | | | |
| Lead | 0.012 | 0.00050 | 0.01250 | 0 | 98.3 | 85 | 115 | | | |
| Selenium | 0.024 | 0.0010 | 0.02500 | 0 | 97.4 | 85 | 115 | | | |
| Thallium | 0.012 | 0.00050 | 0.01250 | 0 | 98.5 | 85 | 115 | | | |

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
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508D69

04-Sep-15

Client: OMI CH2M Hill Farmington
Project: Post Gold King Mine Spill-Rain Event

| | | | | | | | | | | |
|------------|------------------|----------------|-----------------|-------------|----------------------------------|----------|-------------|------|----------|------|
| Sample ID | MB-21061 | SampType: | MBLK | TestCode: | EPA Method 245.1: Mercury | | | | | |
| Client ID: | PBW | Batch ID: | 21061 | RunNo: | 28597 | | | | | |
| Prep Date: | 8/31/2015 | Analysis Date: | 9/1/2015 | SeqNo: | 865018 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | ND | 0.00020 | | | | | | | | |

| | | | | | | | | | | |
|------------|------------------|----------------|-----------------|-------------|----------------------------------|----------|-------------|------|----------|------|
| Sample ID | LCS-21061 | SampType: | LCS | TestCode: | EPA Method 245.1: Mercury | | | | | |
| Client ID: | LCSW | Batch ID: | 21061 | RunNo: | 28597 | | | | | |
| Prep Date: | 8/31/2015 | Analysis Date: | 9/1/2015 | SeqNo: | 865019 | Units: | mg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Mercury | 0.0052 | 0.00020 | 0.005000 | 0 | 103 | 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
- P Sample pH Not In Range
- RL Reporting Detection Limit

Client Name: OMI Ch2M Farmington

Work Order Number: 1508D69

ReptNo: 1

Received by/date: JA 08/27/15

Logged By: Celina Sessa 8/27/2015 4:42:00 PM Celina Sessa

Completed By: Celina Sessa 8/27/2015 4:51:08 PM Celina Sessa

Reviewed By: JA 08/27/15

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? Client

Log In

- 4. Was an attempt made to cool the samples? Yes No NA
- 5. Were all samples received at a temperature 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 test(s)? Yes No
- 8. Are samples (except VOA and ONG) properly preserved? Yes No CS 08/27/15
- 9. Was preservative added to bottles? Yes No NA
- 10. VOA vials have zero headspace? Yes No No VOA Vials
- 11. Were any sample containers received broken? Yes No
- 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: 2, 1
 (<2 or >12 unless noted)
 Adjusted? yes
 Checked by: CS

Special Handling (if applicable)

- 16. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks: For dissolved metals analysis, filtered and poured off into a 125ml bottle and add 0.4ml HNO3 for acceptable pH. Held in Log-in for 24 hours prior analysis. CS 08/27/15

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.2 | Good | Yes | | | |

Chain-of-Custody Record

Client: CH2M

Mailing Address: 615 S. CARLTON AVE.
FARMINGTON, NM 87401

Phone #: 505/325-6953

email or Fax#: Monica.Peterson@ch2m.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation:

NELAP Other_NMED DW

EDD (Type)

Turn-Around Time:

Standard Rush 1 day

Project Name:

Post Gold King Mine Spill-Rain Event

Project #:

402544

Project Manager:

Monica Peterson

Sampler:

On Ice: Yes No

Sample Temperature: 3.6 → 4 = 3.2

Date Time Matrix Sample Request ID

8-27-15 0912

Water

APS #2 Boat Access/20150827-2

Container Type and #

500 ml P

Preservative Type

HNO₃

HEAL No.

1508D69

8-27-15 0906

Water

APS #2 Boat Access / 20150827-1

250 ml P

ICE

-002

8-27-15 0912

Water

APS #2 Boat Access/20150827-3

500 ml P

NaOH

-003

Date: 8-27-15 1642

Relinquished by: *[Signature]*

Received by: *[Signature]*

Date: 08/27/15 1642

Remarks: 40 CFR 141 - drinking water

* 20150827-1 Please filter 10m dissolved metals upon arrival. Thanks

Date: 8-27-15 1642

Relinquished by:

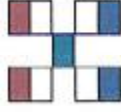
Received by:

Date:

Total metals: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Hg, Se, Ti, Zn

Air Bubbles (Y or N)

Analysis Request



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107