## **Mead Custodial Trust**

RECEIVED

606 Columbia St NW Suite 212 Olympia, WA 98501 (360) 754-9343 danieljsilver@msn.com

MAR 3 1 2016

Ecology W2R-Ind

March 30, 2016

Guy Barrett Department of Ecology P.O. Box 47706 Olympia, WA 98504-7706

SUBJECT:

1st Quarter Groundwater and Surface Water Reports

Dear Guy:

Enclosed are the 1st quarter 2016 Groundwater and Surface Water Reports for Kaiser Mead. There was one anomalous finding in the groundwater well KM-2.

Please let me know if you have any questions.

Sincerely,

Dan Silver Trustee

**Enclosures** 

Facility: CX Mean Year: / Loft Right

Air Corr

Water Reports

NPDES Permit

WET-TOX Enf

OW/RCRA Eng

Cleanup Sub

SW

HWP2

Ground water for a ce Linter



2736 White Pines Drive Coeur d'Alene ID 83815 (208) 660-8548 Fax: (208) 765-5286 www.hydrometrics.com

March 17, 2016

VIA EMAIL

Mr. Daniel J. Silver, Custodial Trustee Mead Custodial Trust 606 Columbia Street NW, Ste. 212 Olympia, WA 98501

Subject:

Kaiser Mead NPL Site - Submittal of Letter Report for 1st Quarter 2016 Groundwater Monitoring Activities

Dear Mr. Silver:

This letter report documents the monitoring activity as stipulated in the Consent Decree dated October 7, 2004 between Kaiser Aluminum and Chemical Corporation, the U.S. Environmental Protection Agency, the Washington State Department of Ecology, and AIG Insurance Company. The requirement for groundwater monitoring activity is identified in the Remedial Action Plan (Exhibit A to the Scope of Work) as Task 2 Groundwater Monitoring Program. The following paragraphs describe the groundwater monitoring activities conducted by Hydrometrics, Inc. (Hydrometrics) for the 1st Quarter of 2016.

By letter dated November 1, 2006 the Washington Department of Ecology approved the discontinuance of monitoring for fluoride and cyanide in the A-zone for the following wells, KMCP-1, KMCP-2, KMCP-3, KMCP-4 and KMCP-5. The weather during sampling was cool and dry (temperatures in the forties).

Prior to each sampling event, the field equipment was calibrated using standard buffers and conductivity solutions. The equipment used for measuring field parameters was an Oakton multiparameter-meter.

All wells targeted for sampling are outfitted with dedicated bladder pumps. The pumps are operated with an oil-less air compressor powered by a portable gas-powered generator. Samples were collected using low-flow methods. Well KM-4 was sampled with a disposable bailer.

pH, conductivity, and temperature were monitored during purging and a sample was collected when parameters appeared to stabilize.

Pre cleaned sample bottles were obtained from the analytical laboratory, SVL Analytical (SVL). The Total, free and weak acid dissociable (WAD) Cyanide bottles were 250 milliliter (ml) polyethylene with sodium hydroxide (NaOH) added as a preservative following sample collection. The Fluoride sample bottles were 250 ml and contained no preservative. Following sampling, the labels were attached and the bottles were placed into the SVL coolers.

Once all samples had been obtained, the Chain of Custody form was completed and the sample bottles were secured in the cooler with ice packs. The samples were delivered by hand to the laboratory.

One (1) well reported results outside of its historic range. The total fluoride result for KM-2 was reported as a new low. All other results reported for all wells were within their respective historic ranges.

All QC tests (for all parameters) were within acceptable guidelines, except for one matrix spike recovery and one matrix recovery for the spike duplicate for total CN were slightly above guidelines and one matrix spike recovery and one matrix recovery for the spike duplicate for total WAD CN were below guidelines.

The field measurements and the laboratory analyses are summarized in the following tables. Field sampling logs, the Chain of Custody forms, and the laboratory data package follow.

Sincerely, HYDROMETRICS, INC.

Antonio Chavez, P.E. Senior Engineer

Encl.

## Kaiser Mead NPL Groundwater Monitoring

| Descriptive Name<br>Well ID | Sample<br>Formation | Date<br>Sampled | Depth to Water (feet, btoc) | Top of PVC<br>Casing Elev. | Groundwater<br>Elev. | pH<br>(Std Units) | Conductivity<br>(umhos/cm) | Temperature<br>(Deg. C) | Total CN<br>(mg/L) | WAD CN<br>(mg/L) | Free CN<br>(mg/L)    | F<br>(mg/L)  |
|-----------------------------|---------------------|-----------------|-----------------------------|----------------------------|----------------------|-------------------|----------------------------|-------------------------|--------------------|------------------|----------------------|--------------|
| KM-1                        | A                   | 3/5/2015        | 145,24                      | 1930.02                    | 1784.78              | 9.8               | 7,760                      | 12.1                    | 45.8               | 0.626            | 1.010                | 79.0         |
|                             |                     | 4/8/2015        | 145.17                      | 1930.02                    | 1784.85              | 6.6               | 7,030                      | 11,8                    | 45.6               | 0.502            | 0.780                | 7.77         |
|                             |                     | 7/8/2015        | 144.80                      | 1930.02                    | 1785.22              | 10.2              | 9,410                      | 18.2                    | 68.3               | 3.470            | 1.960                | 96.8         |
|                             |                     | 2/29/2016       | 145,81                      | 1930.02                    | 1784.21              | 10.0              | 7.500                      | 1.8                     | 51.2<br>45.0       | 0.956            | 0.332                | 73.6         |
| KM-2                        | ٨                   | 3/5/2015        | 143.5                       | 1929.23                    | 1785.73              | 9.8               | 4,870                      | 12.40                   | 78.7               | 1.30             | 2,22                 | 40.5         |
|                             |                     | 4/7/2015        | 143.32                      | 1929.23                    | 1785.91              | 10.2              | 4,650                      | 14.20                   | 82.5               | 4.81             | 2.80                 | 42.9         |
|                             |                     | 7/7/2015        | 143.09                      | 1929.23                    | 1786.14              | 10.1              | 4,360                      | 15.90                   | 67                 | 7.54             | 4.35                 | 35.7         |
|                             |                     | 10/7/2015       | 143.80                      | 1929.23                    | 1785.43              | 0 0               | 4,540                      | 13.20                   | 75.1               | 0.87             | 0,87                 | 29.1<br>15.5 |
| KM-3                        | A                   | 3/5/20151       | 155 13                      | 1944 34                    | 1789.21              | 7.80              | 619                        | 10 90                   | < 0.0100           | > 0.0100         | < 0.0300             | 0.13         |
|                             |                     | 4/7/2015        | 154.76                      | 1944.34                    | 1789.58              | 7.90              | 703                        | 11.80                   | < 0.0100           | < 0.0100         | < 0.0100             | v 0.10       |
|                             |                     | 7/7/2015        | 154.70                      | 1944.34                    | 1789.64              | 7.90              | 702                        | 17.00                   | < 0.0100           | < 0.0100         | < 0.0100             | 0.208        |
|                             |                     | 10/2/2015       | 155.83                      | 1944.34                    | 1788.51              | 8.10              | 629                        | 15.60                   | < 0.0100           | < 0.0100         | < 0.0100             | > 0.100      |
|                             |                     | 2/29/20 16      | 18.001                      | 1944.34                    | 1/88.43              | 08.7              | 707                        | 11.40                   | < 0.0100           | < 0.0100         | < 0.0100             | < 0.100      |
| KM4                         | ∢                   | 3/6/2015        | 147.00                      | 1925.19                    | 1778.19              | 08:0              | 700                        | 10.40                   | < 0.0100           | < 0.0100         | < 0.0100             | 0.147        |
|                             |                     | 4/8/2015        | 146.98                      | 1925.19                    | 1778.21              | 00 c              | 709                        | 10.40                   | 0.0110             | > 0.0100         | < 0.0100<br>< 0.0100 | × 0.100      |
|                             |                     | 10/8/2015       | 146.81                      | 1925.19                    | 1778 16              | 20 ac             | 7124                       | 13.70                   | 0.0100             | 0.0100           | 00100 >              | 0.100        |
|                             |                     | 3/2/2016        | 147.21                      | 1925 19                    | 1777.98              | , e               | 701                        | 11.10                   | 0.0100             | 001000 >         | 00100                | 0.100        |
| KM-5                        | 4                   | 3/5/2015        | 145.05                      | 1927.63                    | 1782.58              | 10.00             | 5.660                      | 10.7                    | 81.2               | 0.516            | 0.760                | 53.5         |
|                             |                     | 4/8/2015        | 145.05                      | 1927.63                    | 1782.58              | 10.30             | 2,600                      | 17.1                    | 78.1               | 1.200            | 1,410                | 56.9         |
|                             |                     | 7/8/2015        | 144.75                      | 1927.63                    | 1782.88              | 10.40             | 4,260                      | 14.9                    | 64.2               | 5.270            | 2,350                | 35.7         |
|                             |                     | 10/7/2015       | 145.20                      | 1927.63                    | 1782.43              | 10.10             | 5,680                      | 12.4                    | 89.3               | 0.402            | 0.392                | 50.1         |
|                             |                     | 2/29/2016       | 145.51                      | 1927.63                    | 1782.12              | 10.20             | 6,320                      | 10.6                    | 83.7               | 1.020            | 0.490                | 59.7         |
| KM-6                        | ∢                   | 3/5/2015        | 139,30                      | 1922,99                    | 1783.69              | 00 Ç              | 5,750                      | 10.2                    | 102                | 0.510            | 0.795                | 66.3         |
|                             |                     | 7/7/2015        |                             | 1022 00                    | 784.08               |                   | 0,200                      | 7.2                     | 2000               | 0.360            | 2 590                | 0.09         |
|                             |                     | 10/7/2015       |                             | 1922.99                    | 1783.57              | 0.0               | 5,110                      | 12.3                    | 87.3               | 0.826            | 0.381                | 61.3         |
|                             |                     | 2/29/2016       | 139.88                      | 1922.99                    | 1783.11              | 10.0              | 5,050                      | 10.7                    | 97.8               | 1.580            | 0.565                | 52.8         |
| KM-7                        | 8                   | 3/6/2015        | No measurement              | 1921,96                    |                      | ,                 | 1                          | ï                       | •                  |                  |                      | 1            |
|                             |                     | 4/7/2015        | 150,33                      | 1921,96                    | 1771.63              | i,                | L                          | ť                       | Ĺ                  | 10               |                      | ij           |
|                             |                     | 7/7/2015        | 150.68                      | 1921.96                    | 1771.28              | •                 | 1                          | ı                       | 1                  | 1                |                      | 1            |
|                             |                     | 10/7/2015       | 150.43                      | 1921.96                    | 1770.42              | 1 1               | 1 3                        | 1 3                     | 1 1                | 1 1              |                      | 1 1          |
| KMCP-1A                     | V                   | 3/5/20151       | 156.65                      | 1934.43                    | 1777.78              |                   |                            |                         |                    |                  |                      |              |
|                             |                     | 4/7/2015        | 156.48                      | 1934.43                    | 1777.95              | 1                 | 1                          | ř                       | į.                 | ı                |                      | E            |
|                             |                     | 77/2015         | 156.42                      | 1934.43                    | 1778.01              | ij                | ы                          | fi.                     | Ü                  | t                |                      | ij           |
|                             |                     | 10/6/2015       | 156.87                      | 1934.43                    | 1777.56              | 1                 | 112                        | 1 0                     | 1                  | 1                |                      | 1            |
| KANDAR                      | a                   | 3/5/2015        | 163 20                      | 1034.43                    | 1771 14              | 8 10              | 406                        | 10.40                   | 0.262              | 0.0390           | 07500                | 855          |
|                             |                     | 4/7/2015        | 162.81                      | 1934.43                    | 1771.62              | 30.00             | 492                        | 11.40                   | 0.249              | 0.0440           | 0,0310               | 0.712        |
|                             |                     | 7/7/2015        | 163.50                      | 1934.43                    | 1770.93              | 8.20              | 502                        | 13.80                   | 0.176              | 0.0770           | 0.0590               | 0.623        |
|                             |                     | 10/6/2015       | 164.64                      | 1934.43                    | 1769.79              | 8.40              | 526                        | 13.00                   | 0.237              | 0.0370           | 0.0290               | 0.623        |
|                             |                     | 2/29/2016       | 164.00                      | 1934,43                    | 1770.43              | 8.10              | 508                        | 10.70                   | 0.197              | 0.0210           | 0.0170               | 0.670        |
| KMCP-2A                     | 4                   | 3/5/2015        | 130.27                      | 1926.70                    | 1796.43              |                   | E)                         | ı                       | j.                 | C.               |                      | ı            |
|                             |                     | 4/7/2015        | 130.23                      | 1926.70                    | 1796.47              | 1                 | •                          | t                       | t                  | 1                |                      |              |
|                             |                     | 200/0//         | 130.26                      | 1926.70                    | 1/36.44              | •                 |                            | i                       | i                  | 1                |                      |              |
|                             |                     | 10/6/2015       | 130.31                      | 1926.70                    | 1796.39              | 1                 | 1                          | ī                       | 1                  | 1                |                      |              |
|                             |                     | 777770          | 00:00                       | 1920.10                    | 70000                |                   |                            |                         |                    |                  |                      |              |

## Kaiser Mead NPL Groundwater Monitoring

| Descriptive Name | Sample | Date      | Depth to Water (feet, btoc) | Top of PVC<br>Casing Elev. | Groundwater<br>Elev. | pH<br>(Std Units) | Conductivity<br>(umhos/cm) | Temperature<br>(Deg. C) | Total CN<br>(mg/L) | WAD CN<br>(mg/L) | Free CN<br>(mg/L) | F<br>(mg/L) |
|------------------|--------|-----------|-----------------------------|----------------------------|----------------------|-------------------|----------------------------|-------------------------|--------------------|------------------|-------------------|-------------|
| 00.000           |        | 3/5/3045  |                             | 1028.25                    | 1760.02              | 8.1               | 303                        | 10.4                    | 0.0260             | < 0.0100         | < 0.0100          | 0.245       |
| NIVICE-ZB        | ۵      | 47/2015   |                             | 1926.25                    | 1769.43              | - 67              | 391                        | 1.5                     | 0,0250             | < 0.0100         | < 0.0100          | 0.311       |
|                  |        | 7/7/2015  |                             | 1926.25                    | 1769,43              | 8,2               | 397                        | 15.7                    | 0.0160             | 0.0110           | < 0.0100          | 0.219       |
|                  |        | 10/6/2015 |                             | 1926.25                    | 1767.97              | 8.5               | 472                        | 13.3                    | 0.1690             | 0.0410           | 0.0330            | 0,417       |
|                  |        | 2/29/2016 |                             | 1926.25                    | 1768.33              | 8.3               | 412                        | 6.6                     | 0.0680             | 0.0120           | < 0.0100          | 0.452       |
| KMCP-3A          | ¥      | 3/5/2015  |                             | 1918.61                    | 1812.08              | 1                 |                            |                         | •                  |                  |                   | ı           |
|                  |        | 4/7/2015  |                             | 1918.61                    | 1812.08              | N.                | ï                          | ï                       | 10                 | <u>•</u>         |                   | t           |
|                  |        | 7/7/2015  |                             | 1918.61                    | 1812.24              | ı,                | 1                          | ı                       | 1                  | ı                |                   | 1           |
|                  |        | 10/6/2015 | 106.28                      | 1918.61                    | 1812,33              | 1                 |                            | 1                       | 1                  | ı                |                   | 1           |
|                  |        | 2/29/2016 |                             | 1918.61                    | 1812.13              | 1                 | •                          | -                       |                    | 1                |                   |             |
| KMCP-38          | m      | 3/5/2015  |                             | 1919.07                    | 1768.15              | 9.8               | 3,620                      | 11.9                    | 61.9               | 2.00             | 2.10              | 33.8        |
|                  |        | 4/7/2015  |                             | 1919.07                    | 1768.53              | 10.1              | 3,530                      | 12.4                    | 6.49               | 3.70             | 2.51              | 33.9        |
|                  |        | 7/7/2015  |                             | 1919.07                    | 1768.60              | 10,2              | 3,490                      | 16.1                    | 64.5               | 8.42             | 48.4              | 27.9        |
|                  |        | 10/6/2015 |                             | 1919.07                    | 1767.20              | 10.1              | 3,590                      | 13.6                    | 6.79               | 1.60             | 1.76              | 28.2        |
|                  |        | 2/29/2016 |                             | 1919.07                    | 1767.46              | 10.0              | 3,590                      | 11.5                    | 60.7               | 2.05             | 1.59              | 30.0        |
| KMCP-4A          | A      | 3/5/2015  |                             | 1912.51                    | 1813.23              |                   | •                          |                         |                    |                  |                   | 1           |
|                  |        | 4/7/2015  |                             | 1912,51                    | 1813.22              | •                 | ī                          | į                       | ,                  |                  |                   | t           |
|                  |        | 7/7/2015  |                             | 1912,51                    | 1813.24              | 1                 | ŭ                          | ı                       | t                  | E                |                   | 1           |
|                  |        | 10/7/2015 |                             | 1912.51                    | 1813.32              | Ė                 | ı                          | ţ.                      | 鉄                  |                  |                   |             |
|                  |        | 2/29/2016 |                             | 1912.51                    | 1813.20              |                   |                            | ı                       |                    |                  |                   |             |
| KMCP-4B          | В      | 3/5/2015  |                             | 1912.52                    | 1766,62              | 9.00              | 1,891                      | 10.8                    | 26.9               | 1.52             | 1.27              | 15,4        |
|                  |        | 4/7/2015  |                             | 1912.52                    | 1766.99              | 9.30              | 1,957                      | 10.8                    | 27.2               | 96'0             | 0.73              | 18.9        |
|                  |        | 7/7/2015  |                             | 1912.52                    | 1767.10              | 9.30              | 1,885                      | 15.6                    | 25.0               | 4.93             | 3.06              | 15.2        |
|                  |        | 10/7/2015 |                             | 1912.52                    | 1765.70              | 9.20              | 1,779                      | 11.8                    | 33.2               | 0.566            | 0.499             | 6.4         |
|                  |        | 2/29/2016 |                             | 1912.52                    | 1765.93              | 9.20              | 1,916                      | 11.3                    | 29.3               | 1.280            | 1.150             | 15.5        |
| KMCP-5A          | ¥      | 3/5/2015  |                             | 1908.89                    | 1814.01              | 1                 | t                          | 1                       | 1                  | E.               |                   | I.          |
|                  |        | 4/7/2015  |                             | 1908.89                    | 1813.99              | 1                 | Į.                         | 5                       | ť                  | 1                |                   | 1           |
|                  |        | 7/7/2015  |                             | 1908.89                    | 1813.98              | t                 | t                          | 1                       | 1                  | ı                |                   | ī           |
|                  |        | 10/6/2015 |                             | 1908.89                    | 1813.98              | 1                 | į                          | 1                       | (1                 | Ţ                |                   | ī           |
|                  |        | 2/29/2016 |                             | 1908.89                    | 1813.92              | 1                 | 1                          | 1                       | 1                  | r                |                   |             |
| KMCP-58          | m      | 3/5/2015  |                             | 1908.80                    | 1766.19              | ₽.0               | 464                        | 8.8                     | 0.0580             | < 0.0100         | < 0.0100          | < 0.100     |
|                  | (i:    | 4/7/2015  |                             | 1908.80                    | 1766.53              | 8.3               | 423                        | 10.4                    | 0.1960             | 0.0250           | 0.0150            | 0.207       |
|                  |        | 7/7/2015  |                             | 1908.80                    | 1766.71              | 8.2               | 456                        | 16.1                    | 0.0550             | 0.0290           | 0.0230            | 0.146       |
|                  |        | 10/6/2015 |                             | 1908.80                    | 1765.47              | 8.6               | 407                        | 11.3                    | 0.0840             | 0.0230           | 0.0150            | 0.173       |
|                  |        | 2/29/2016 |                             | 1908.80                    | 1765.57              | 8.3               | 446                        | 6.5                     | 0.1320             | 0.01/0           | 0710.0            | \$61.0      |

Notes:

< = chemical was not detected at or above the method reporting limit
</p>

< = chemical was not detected at or above the method reporting limit
</p>

WAD = weak acld dissociable

F = fluoride

mg/L = miligrams per liter

Moderations are above mean sea level

btoc = below top of casing

• Sample was re-analyzed outside of holding time.

J - Analyte concentration detected at a value between the minimum detection limit and the practical quantitation limit.

— sample or date not collected

| Pro-<br>Sample Team                                | Member(s):                                   | 9088.00, Phas                                    |  |  | Sample Co  | Designation:<br>de Number:<br>ample Date:<br>ample Time: | )-24-            |          | (military) |
|--|--|--|--|--|--|--|------------------|----------|------------|
|  |  |  |  |  | For Gro  | undwater Sa  | mples            |          |            |
|  | plicate Sam<br>Please Reco<br>Sample Code #: |  |  |  | well volume formula:                                       | ∨ = (TD-SWL)x(D<br>162.94                                | <u>)ia.²)</u> 25 | Comm     | - 1        |
|  | e Sample Time:                               |  |  |  | SWL (ft):  | 145-   | . 81             |          | - 1        |
|  | Site Cond                                    | litions  |  |  | <u>Dia</u> meter (I.D.")<br>olume (V) (gal):<br>x 3=(gal.) | 4  |                  |          |            |
| New Site: Y  |  | Photo taken:<br>surface water                    | Yes (No)   |  | Removed (gal.)<br>evel Recovery:                           | Slow mode  |                  |          |            |
| /  | monitoring w                                 | ell domestic we                                  | ll adit seep                                     |  | For S  | Surface Water  | Samples          |          |            |
| _  | spring- other:                               |  |  | Flow Metho   | d: Marsh   | McBirney Volur   | netric Flume     | Weir E   | stimate    |
|  |  | calm breeze<br>no precip. rai<br>clear p. cloudy | n snow<br>overcast                               |  | or Descriptio  |  | Staff Gage:      |          |            |
| 7.50   | Omporatore.                                  |  |  | rameter Stab   |  |  |                  | 5        |            |
| Time<br>(military)<br>/5/9<br>/524<br>/527<br>/532 | Oxidation<br>Reduction<br>Potential (mV)     | Dissolved<br>Oxygen (mg/l)                       | pH<br>10.0<br>10.0<br>10.0                       | \$.C.<br>(junhos/cm)<br>3990<br>3890<br>3350<br>7930 | Purge Vol. (gal)  7. 0  0 - 5  0 - 2 5                     | Temperature (°C) // // // // // // // // // // // //     | 4-11600<br>2+11  | Notes    | or         |
| 1536   |  |  | 10.0   | 7630   | 0.25   | 11.3   |                  |          |            |
| 1540   |  |  | 100  | 7500   | 0.65   | 11.3   |                  |          |            |
| Turbidity:   | clear  | moderate<br>very                                 | Sa   | mple Method (describe)                               | -  | composite  | 1                |          | ther       |
|  | Field P                                      | arameters  |  |  | Bottle   | s Collected  |                  |          |            |
| 2  | Sample                                       | Duplicate  | Quantity   | Size   | Filter or Unfilt.  | Preservative   | Parameter        | Addition | al Notes   |
| ORP (mV)   |  |  | 1  | 250 ml   | F or UF  | NaOH   | Total/WAD/Free   | CN       |            |
| DO (mg/l)  |  |  | 1  | 250 ml   | F or UF  | Raw  | Fluoride         |          |            |
| рН   | 10,0   |  |  | ml   | F or UF  |  | -                |          |            |
| SC (µmhos/cm)                                      | 7500   |  |  | ml   | F or UF  |  |                  |          |            |
| Turbidity (ntu)                                    | 11 .0  |  | -  | VOA  | F or UF  |  | ļ                |          |            |
| H₂O Tmp. (°C)                                      | 11.3   | <u> </u>   | ł  | ml)  | F or UF  | -  | -                |          |            |
| Color  | yellou                                       |  | <del>                                     </del> | m)   | F or UF  |  |                  | -        |            |
| Other:   |  |  | <i>'</i>   | ml ml  | For UF   | <del> </del>   | F .              | -        |            |
| Comments:  | 82 CT  |  |  |  | 100  |  |                  |          |            |
| -  |  |  |  |  | 1  |  |                  |          |            |
|  |  |  |  | 1  | 1  |  | W. 9             |          |            |
| Sampl  | e Team Mem                                   | ber Signature:                                   |  | 1  |  |  | Page             | 1        | of /       |

Project Name: Kaiser Mead
Project Code: 9088.00, Phase 024

| Hydrometrics,                | Inc.     | 1 |
|------------------------------|----------|---|
| Conculting Scientists and En | olonors. |   |

Site Designation:
Sample Code Number: KM-2

| Sample Team     |                 |                  |  |              |                   | ample Date:      |                        | -2-1-                                   |           |
|-----------------|-----------------|------------------|--|--------------|-------------------|------------------|------------------------|---|-----------|
| Laboi           | atory Used:     | SVL Analytica    |  |              | S                 | ample Time:      | 1318                   | (                                       | military) |
|                 |                 |                  |  |              | For Gro           | undwater Sa      | mples                  |   |           |
| If D            | uplicate Sam    | ple Collected    | l,   |              | well volume       |                  |                        | 0                                       | -1-       |
|                 | Please Reco     | ord Below        |  | 1            | formula:          | V = (TD-SWL)x(D) | )ia. <sup>2</sup> ) 25 | Comme                                   |           |
| Duplicate       | Sample Code #:  |                  |  |              | TD (ft):          | 157.13           |                        | *************************************** |           |
| train contra    | te Sample Time: |                  |  |              | SWL (ft):         | 144:             | 13                     |   |           |
| 1               | •               |                  |  | Casing I     | Diameter (I.D.")  | 144:             |                        |   |           |
|                 | Site Con        | ditions          |  |              |                   |                  |                        |   |           |
|                 |                 |                  |  | 6            | x 3=(gal.)        |                  |                        |   |           |
| New Site:       | Yes No          | Photo taken:     | Yes No                                       | Actual Vol   | Removed (gal.)    |                  |                        |   |           |
| Site Type:      |                 |                  | process water                                |              | evel Recovery:    | slow mode        | rate rapid             |   |           |
| <b>3</b> 1      | Capitarian u    | vell domestic we | all adit soon                                |              | For S             | Surface Water    | Samples                |   |           |
|                 | fuorintoring w  | domestic we      | en adit seeb                                 |              | _                 |                  |                        | 70.00                                   |           |
|                 | spring-other:   |                  |  | Flow Metho   | d: Marsh          | McBirney Volum   | netric Flume           | Weir Est                                | imate     |
| Weathe          | r Conditions:   | calm breez       | e) windy                                     | Other Flow   | or Descriptio     | n:               | Difference of          | - Standard                              |           |
|                 |                 | по ргесір. га    | in snow                                      | True 14      |                   |                  |                        |   |           |
|                 |                 | clear p. cloudy  |  |              |                   |                  |                        |   |           |
| Air             | Femperature:    | °C               | 46 °F  | Flow:        | gpm               | cfs              | Staff Gage:            |   |           |
|                 |                 |                  | Field Pa                                     | rameter Stab | ilization         |                  |                        |   |           |
|                 | Oxidation       |                  | 710707                                       | TOTAL OTTO   | THE CALL OF THE   | -                | Additional Para        | meters                                  | 0         |
| Time            | Reduction       | Dissolved        |  | S.C.         | Purge Vol.        | Temperature      | I                      | Notes                                   |           |
| (military)      | Potential (mV)  | Oxygen (mg/l)    | pH   | (µmhos/cm)   | (gal)             | (°C)             |                        |   |           |
| 13:30           |                 |                  | 10.0   | 5020         | 0.45              | 12:4             | Listing                | c/low                                   |           |
| 1334            |                 |                  | 10 1   | 5160         | 0.45              | R 12-0           | 1.0                    | 1                                       |           |
| 7337            |                 |                  | 10.1   | 5120         | 0125              | 12.4             | 11 0                   |   |           |
| 1343            |                 |                  | 10.4   | 5170         | 0125              | 11.8             | 1                      | ••                                      |           |
|                 |                 |                  |  |              |                   |                  |                        |   |           |
|                 |                 |                  |  |              |                   |                  |                        |   |           |
|                 |                 |                  |  |              |                   |                  |                        |   |           |
| Turbidity:      | clear           | moderate         | Sa   | mple Method  | grab              | composite        | pump                   | baller oth                              | er        |
| (circle)        | slight          | very             |  | (describe)   | Low flow sam      | pling - dedicate | d bladder pump         |   |           |
|                 | Field P         | arameters        |  |              | Bottle            | s Collected      |                        |   |           |
|                 | Sample          | Duplicate        | Quantity                                     | Size         | Filter or Unfilt. | Preservative     | Parameter              | Additional                              | Notes     |
| ORP (mV)        | Sample          | Duplicate        | 1  | 250 ml       | F or UF           | NaOH             | Total/WAD/Free         | CN                                      |           |
| DO (mg/l)       |                 |                  | 1 1  | 250 ml       | F or UF           | Raw              | Fluoride               |   |           |
| pH              | 10.1            |                  | <u>                                     </u> | 200 1111     |                   |                  | 1                      |   |           |
| SC (µmhos/cm)   | 5-170           |                  | 1  |              |                   |                  |                        |   |           |
| Γurbidity (ntu) | 3116            |                  |  |              |                   |                  |                        |   |           |
| H₂O Tmp. (°C)   | 11.8            |                  |  | ml           | F or UF           |                  |                        |   |           |
| Color           | .,. 0           |                  |  | ml           | For UF            |                  |                        |   |           |
| Other:          |                 |                  |  | ml           | F or UF           |                  |                        |   |           |
|                 |                 |                  | 4/   | mi           | F or UF           | 0                |                        |   |           |
| Comments:       | 57 28           |                  | -  |              |                   |                  |                        |   |           |
|                 |                 |                  |  |              |                   |                  |                        |   |           |
|                 |                 |                  |  |              |                   |                  |                        |   |           |
|                 |                 |                  | -  | 1            |                   |                  |                        |   |           |
|                 |                 | ber Signature:   |  |              |                   |                  | Page                   | / of                                    |           |

|   | oject Name:      |  |               |              |                   | Jesignation:        |                 |   |
|---|------------------|--|---------------|--------------|-------------------|---------------------|-----------------|---|
|   | - 11             | 9088.00, Phas  | e 024         |              |                   | de Number:          |                 |   |
| Sample Team                             |                  |  |               |              | S                 | ample Date:         | 2-31            |   |
| Laboi                                   | ratory Used:     | SVL Analytical   |               |              | S                 | ample Time:         | E1 6 6          | ) (military                             |
|   |                  |  |               |              | For Gro           | undwater Sa         | mples           |   |
| If D                                    | uplicate Sam     | ple Collected,   | 10            |              | well volume       |                     |                 |   |
|   | Please Reco      |  | 01            | 1            |                   | V = (TD-SWL)x(D     | oia.2) 25       | Comments                                |
| Dunlingto                               | Sample Code #:   | Control of the Contro |               |              | TD (ft):          | 171.06              |                 | *************************************** |
| ·                                       | ite Sample Time: |  |               | I            | SWL (ft):         |                     | EL, 15          | 5.91                                    |
| Duplica                                 | ite sample time. |  |               | Casino       | Diameter (I.D.")  |                     | . , , , ,       | 3.71                                    |
|   | Cita Con         | ditiono  |               | 1            | -                 |                     |                 |   |
|   | Site Con         | <u>Jilions</u>   |               | vvaler v     |                   |                     |                 |   |
| New Cites                               | Yes (No          | Dhoto tokon:   | Yes ( No      | Actual Val   | x 3=(gal.)        |                     |                 |   |
| , | 100              | Photo taken:   |               |              | Removed (gal.)    |                     | esta marid      |   |
| Site Type:                              | DRY              | surface water  | process water | Vvater       | _evel Recovery:   | slow mode           | rate rapid      |   |
|   | monitoring v     | vell domestic wel  | ll adit seep  |              | For S             | Surface Water       | Samples         |   |
|   | spring- other:   |  | 1             | Flow Metho   | nd: March         | McBlmey Volum       | netric Flume    | Weir Estimate                           |
|   |                  |  |               |              |                   | ACRES CONTRACTOR OF |                 | TTON LOUINING                           |
| Weathe                                  | er Conditions:   | -  | e windy       | Other Flow   | or Description    | n:                  |                 |   |
|   | _                | no precip. rair  |               | 1151-75-7    |                   |                     |                 |   |
| 10/05                                   |                  | clear p. cloudy  |               |              |                   |                     |                 |   |
| Air                                     | Temperature:     | °C   | 37 °F         | Flow:        | gpm               | cfs                 | Staff Gage:     |   |
|   |                  |  | Field Pa      | rameter Stat | oilization        |                     |                 |   |
|   | Oxidation        |  |               |              |                   |                     | Additional Para | ameters o                               |
| Time                                    | Reduction        | Dissolved  | 20102         | s.c.         | Purge Vol.        | Temperature         | 1               | Notes                                   |
| (military)                              | Potential (mV)   | Oxygen (mg/l)  | pH            | (µmhos/cm)   | (gal)             | (°C)                | P. 1. 1. 4      | - /- !                                  |
| 842                                     |                  |  | છે.જે         | 6.56         | 0.25              | 11.5.               | 5/1361          | ( levity                                |
| 3416                                    |                  | -  | 8.0           | 7904         | 0.25              | 12:1                |                 | -/-                                     |
| 850                                     |                  |  | 7.9           | 706          | 0.25              | 11.7                | 75              |   |
| 654                                     |                  |  | 7.9           | 700          | 0,45              | 11,4                | Cla             | 6 2                                     |
|   |                  |  |               |              |                   |                     |                 |   |
|   |                  |  |               |              |                   |                     |                 |   |
|   |                  |  |               |              |                   |                     |                 |   |
| Turbidity:                              | clear            | moderate   | - Sai         | mple Method  | : grab            | composite           | pump            | bailer other                            |
| (circle)                                | slight           | very   |               | (describe)   | Low flow san      | npling - dedicate   | d bladder pump  | )                                       |
|   | Field P          | arameters  |               |              | Bottle            | s Collected         |                 |   |
|   | Sample           | Duplicate  | Quantity      | Size         | Filter or Unfilt. | Preservative        | Parameter       | Additional Notes                        |
| ORP (mV)                                |                  |  | 1             | 250 ml       | F or UF           |                     | Total/WAD/Free  | e CN                                    |
| DO (mg/l)                               |                  |  | 1             | 250 ml       | For UF            | Raw                 | Fluoride        | 1                                       |
| pH                                      | 7.9              |  |               | ml           | F or UF           |                     |                 |   |
| SC (µmhos/cm)                           | 702              |  |               | ml           | F or UF           |                     |                 |   |
| " '                                     | 100              | t  |               | VOA          | F or UF           | <b>-</b>            |                 |   |
| Turbidity (ntu)                         | 7 1 4            | 1  |               |              | For UF            |                     |                 |   |
| H₂O Tmp. (°C)                           | 11.4             |  |               | ml           | F or UF           |                     |                 |   |
| Color                                   |                  |  |               | ml<br>ml     | For UF            |                     | 1               |   |
| Other:                                  | L                |  |               | ml           | For UF            |                     | l               |   |
| Comments:                               | T b 900          |  |               | I IRI        | FULUE             |                     |                 | J                                       |
| Comments.                               | 0.0              |  |               |              |                   | 7                   |                 |   |
|   |                  |  |               |              |                   | /                   |                 |   |
|   |                  |  |               | -//          |                   |                     |                 |   |
| Comp                                    | le Team Man      | ber Signature:   |               | 111          | -0                |                     | Page            | / of /                                  |
| Samp                                    | ic ream Mich     | Del Gignature.   |               | 9            |                   | )                   | rage            | UI J                                    |

| Pı<br>Sample Team  | Member(s):                  | 9088.00, Phas  |               |                    | Sample Co<br>S      | Designation: ode Number: ample Date: ample Time: bundwater Sa | 3-2-3                  | 2016<br>(military) |
|--------------------|-----------------------------|--|---------------|--------------------|---------------------|---|------------------------|--------------------|
| If D               | unlicate Sam                | ple Collected,   |               |                    | well volume         |   |                        |                    |
| 11 21              | Please Reco                 |  |               | 1                  | formula:            | V = (TD-SWL)x(I   | Dia. <sup>2</sup> ) 25 | Comments           |
| Dunlicate          | Sample Code #:              | The state of the s |               | 1                  | 3                   | 153.29  |                        |                    |
|                    | te Sample Time:             |  |               |                    | SWL (ft):           | 147   | .2/                    |                    |
| Supinos            | to dampio viino:            |  |               | Casing             | Diameter (I.D.")    | 2   | -21                    |                    |
|                    | Site Cond                   | ditions  |               |                    |                     |   |                        |                    |
|                    |                             |  |               | 1                  | x 3=(gal.)          |   |                        |                    |
| New Site:          | Yes (No                     | Photo taken:   | Yes (No)      | Açtual Vol         | Removed (gal.)      | 1   | 3                      |                    |
| Site Type:         | DRY                         | surface water p  | process water | Water I            | evel Recovery:      | slow mode   | erate rapid            |                    |
|                    | monitoring w                | ell domestic wel   | l adit seep   |                    | For S               | Surface Wate  | r Samples              |                    |
|                    | spring- other:              |  |               | Flow Metho         | d: Marsh            | McBirney Volu   | metric Flume           | Weir Estimate      |
| \A/4\-             |                             |  |               | The second second  | or Description      | Control of the state of                                       |                        |                    |
| vveatne            | er Conditions:              | no precip. rair  |               | Other I low        | Of Description      |   |                        |                    |
|                    |                             | clear p. cloudy  |               |                    |                     |   |                        |                    |
| Air.               | Temperature:                | °C   | 45 °F         | Flow:              | gpm                 | cfs   | Staff Gage:            |                    |
| 7.91               |                             |  | Field De      |                    |                     |   |                        |                    |
|                    | Oxidation                   |  | FIEIG Pa      | rameter Stab       | mzation             |   | Additional Para        | imeters or         |
| Time<br>(military) | Reduction<br>Potential (mV) | Dissolved<br>Oxygen (mg/l)   | pН            | S.C.<br>(µmhos/cm) | Purge Vol.<br>(gal) | Temperature<br>(°C)   |                        | Votes              |
| 1013               | T Otomerar (III V)          | Oxygen (mg//)  | 8.3           | 727                | 0.3                 | 11.5  | 5/4 0                  | 10117              |
| 1020               |                             |  | 8.3           | 701                | 6.5                 | 11.5  |                        | 4                  |
| 1026               |                             | +  | 8.2           | 701                | 0.5                 | 11,1  | ( ) (                  | •                  |
|                    |                             |  |               |                    |                     |   |                        |                    |
|                    |                             |  |               |                    |                     |   |                        |                    |
|                    |                             |  |               |                    |                     |   |                        |                    |
|                    |                             |  |               |                    |                     |   |                        |                    |
| Turbidity:         | clear                       | moderate   | Sai           | mple Method        | ; grab              | composite   | pump (                 | bailer other       |
| (circle)           | slight                      | very   |               | (describe)         | disposable b        | ailer   |                        |                    |
|                    | Field P                     | arameters  |               |                    | Bottle              | s Collected   |                        |                    |
|                    | Sample                      | Duplicate  | Quantity      | Size               | Filter or Unfilt.   | Preservative  | Parameter              | Additional Notes   |
| ORP (mV)           | - 1                         |  | 1             | 250 ml             | F or UF             | NaOH  | Total/WAD/Free         | CN                 |
| DO (mg/l)          |                             |  | 1             | 250 ml             | F or UF             | Raw   | Fluoride               |                    |
| рН                 | 8.2                         |  |               | mi                 | F or UF             |   |                        |                    |
| SC (µmhos/cm)      | 701                         |  |               | ml                 | F or UF             |   |                        |                    |
| Turbidity (ntu)    |                             |  |               | VOA                | F or UF             |   |                        |                    |
| H₂O Tmp. (°C)      | 11.1                        |  |               | ml                 | F or UF             |   | I                      |                    |
| Color              |                             |  |               | ml                 | F or UF             |   | ļ                      |                    |
| Other:             |                             |  |               | ml                 | F or UF             |   |                        |                    |
| 0                  |                             |  |               | ml                 | F or UF             | <u> </u>  |                        |                    |
| Comments:          |                             |  |               |                    |                     |   |                        |                    |
|                    |                             |  |               |                    |                     |   |                        |                    |
| (-                 |                             |  |               |                    | ,                   |   |                        |                    |
| Samo               | le Team Mem                 | ber Signature:   | 1             | 10                 |                     |   | Page                   | / of /             |

| Hydrometrics,                | Inc.    | 1 |
|------------------------------|---------|---|
| Consulting Scientists and En | pineers |   |

| P<br>Sample Team | Member(s):      | 9088.00, Phas                   |                  |               | Sample Co                         | Designation:<br>ode Number:<br>Sample Date:<br>Sample Time: | 2-29-            |                     |
|------------------|-----------------|---------------------------------|------------------|---------------|-----------------------------------|---|------------------|---------------------|
| <i>15</i> D      | unilanta Cam    |                                 | ,                |               |                                   | oundwater Sa  | impies           |                     |
| IT D             |                 | ple Collected                   | 2                |               | well volume                       |   |                  | Comments            |
|                  | Please Reco     | ora below                       |                  |               | formula:                          | V = (TD-SWL)x(I   | <u>Dia.²)</u> 25 |                     |
|                  | Sample Code #:  |                                 |                  | I             | TD (ft):                          | 153.29  |                  | :                   |
| Duplica          | te Sample Time: |                                 |                  |               | SWL (ft):                         | 145   | .51              |                     |
|                  | Site Con-       | ditions                         |                  |               | Diameter (I.D.") olume (V) (gal): |   |                  |                     |
| New Site:        | Yes (No         | Photo taken:                    | Yes (No)         | A atual Mal   | x 3=(gal.)                        |   | ,                | :                   |
| Site Type:       |                 | 91-1-1-1-1                      | process water    |               | Removed (gal.)<br>Level Recovery: |   | erate rapid      |                     |
| One Type.        | DIXI            | _                               |                  | VValer        |                                   |   |                  |                     |
|                  | monitoring w    | rell domestic we                | ll adit seep     |               | For S                             | Surface Wate  | r Samples        |                     |
|                  | spring- other:  |                                 |                  | Flow Metho    | nd: Moreh                         | McBirney Volu   | metrie Elume     | Weir Estimate       |
| 10/aatha         | -               |                                 | ·                |               |                                   |   | menic Fighte     | AAON ESTIMATE       |
| vveatrie         | er Conditions:  |                                 |                  | Other Flow    | or Description                    | on:   |                  |                     |
|                  |                 | no precip. rail clear p. cloudy |                  |               |                                   |   |                  |                     |
| Air ·            | Temperature:    | °C                              |                  | Flow:         | gom                               | cfs   | Staff Gage:      | 01 ( 01 (           |
|                  |                 |                                 |                  |               |                                   | Cis   | Gtail Cago.      |                     |
|                  | Oxidation       |                                 | <u> Field Pa</u> | rameter Stal  | <u>IIIIZauon</u>                  |   | Additional Para  | amatam as           |
| Time             | Reduction       | Dissolved                       |                  | S.C.          | Purge Vol.                        | Temperature   |                  | ameters or<br>Notes |
| (military)       | Potential (mV)  | Oxygen (mg/l)                   | pH               | (µmhos/cm)    | (gal)                             | (°C)  |                  |                     |
| 1405             |                 |                                 | 10,1             | 6050          | 0.25                              | 11.0  | 721              | 110W                |
| 1408             |                 |                                 | 10.2             | 6790          | 0.25                              | 10.6  | CT "1            |                     |
| 1413             |                 |                                 | 10.2             | 6380          | 0.25                              | 1110  | p 6 1 5          |                     |
| 1418             |                 |                                 | 10.2             | 6320          | 0:25                              | 10.0  | 1. 17            |                     |
|                  |                 |                                 |                  |               |                                   |   |                  |                     |
|                  |                 |                                 |                  |               |                                   |   |                  |                     |
| To at letters    | (.)             |                                 |                  |               |                                   |   |                  |                     |
| Turbidity:       | dear            | moderate                        | Sa               | mple Method   |                                   | composite   | pump             | bailer other        |
| (circle)         | slight          | very                            |                  | (describe)    |                                   | npling - dedicate   | d bladder pump   |                     |
|                  | -               | arameters                       |                  |               |                                   | es Collected  |                  |                     |
|                  | Sample          | Duplicate                       | Quantity         | Size          |                                   | Preservative  | Parameter        |                     |
| ORP (mV)         |                 |                                 | 1                | 250 ml        | F or UF                           | NaOH  | Total/WAD/Free   | e CN                |
| DO (mg/l)<br>pH  | 10.2            |                                 | 11               | 250 ml        | For UF                            | Raw   | Fluoride         | -                   |
| SC (µmhos/cm)    | 6320            |                                 |                  | ml ml         | F or UF                           |   |                  |                     |
| Turbidity (ntu)  | 6960            |                                 | -                | VOA           | F or UF                           |   |                  |                     |
| H₂O Tmp. (°C)    | 10.6            |                                 |                  | ml            | F or UF                           |   |                  |                     |
| Color            |                 | -                               |                  | ml            | F or UF                           |   |                  |                     |
| Other:           |                 |                                 |                  | ml            | F or UF                           |   |                  |                     |
|                  |                 |                                 |                  | ml            | For UF                            |   |                  |                     |
| Comments:        | ID GO           |                                 |                  |               |                                   |   |                  | •                   |
|                  |                 |                                 |                  |               |                                   |   |                  |                     |
|                  |                 |                                 |                  | 1             |                                   |   |                  |                     |
| Compl            | a Toom Morel    | ber Signature:                  |                  | $\mathcal{A}$ | 10                                |   |                  |                     |
| Sampl            | C CAITH WICH    | or orginature:                  |                  | d.            |                                   | 7   | Page             | / of /              |

| Sample Tean             | n Member(s):     | 9088.00, Phas                 |              |                           | Sample C  | Designation:<br>ode Number:<br>Sample Date:<br>Sample Time: | KM-6<br>2 - 2 5 - |                  |
|-------------------------|------------------|-------------------------------|--------------|---------------------------|---|---|-------------------|------------------|
|                         | •                |                               |              |                           | For Gr  | oundwater Sa  | amples            |                  |
| If D                    |                  | ple Collected                 | 2            |                           | well volume                                     |   |                   | Commonto         |
|                         | Please Reco      |                               |              | . 1                       | formula:  | V = (TD-SWL)x(  | <u>Dia.</u> ²) 25 | Comments         |
| -                       | Sample Code #:   |                               |              | 1                         | ⊤D (ft):  | 155.4   |                   | •                |
| Duplica                 | ate Sample Time: |                               |              |                           | SWL (ft):                                       | 139   | 88                | _                |
|                         | Site Con         | ditions                       |              |                           | <u>Dia</u> meter (I.D.")<br>olume (V) (gal):    | 2   |                   | -                |
| New Site:<br>Site Type: | Yes No DRY       | Photo taken:<br>surface water | Yes No       |                           | x 3≃(gal.)<br>Removed (gal.)<br>Level Recovery: |   |                   | ±<br>€           |
| One Type.               |                  | -                             |              | vvater                    |   |   | erate rapid       |                  |
|                         | (monitoring w    | vell domestic we              | ll adit seep |                           | For   | Surface Wate  | r Samples         |                  |
|                         | spring- other:   |                               |              | Flow Metho                | od: Marsh                                       | McBirney Volu   | metric Flume      | Weir Estimate    |
| Weath                   | er Conditions:   | calm Greeze                   | windy        | Other Flow                | or Description                                  | on:   |                   |                  |
|                         |                  | no precip. rai                | n snow       |                           |   |   |                   |                  |
|                         | _                | clear p. cloudy               |              |                           |   |   |                   |                  |
| Air                     | Temperature:     | °c                            | 48°F         | Flow:                     | gpπ   | cfs   | Staff Gage:       |                  |
|                         |                  |                               | Field Pa     | rameter Stab              | ilization                                       |   |                   |                  |
|                         | Oxidation        |                               |              |                           |   |   | Additional Para   | ameters or       |
| Time                    | Reduction        | Dissolved                     |              | S.C.                      | Purge Vol.                                      | Temperature   | 1                 | Notes            |
| (military)              | Potential (mV)   | Oxygen (mg/l)                 | 9.7          | (μmhos/cm)                | (gal)   | (°C)  | 7.77              | 0443             |
| 1439                    |                  |                               | 9.6          | 4960                      | 0.25  | 10.8  | Tell              | Ju               |
| 1443                    |                  |                               | 9.9          | 5-800                     | 0.25  | 11.0  | £+ 1.             |                  |
| 1446                    |                  |                               | 10.0         | 5370                      | 0.25  | 10.9  | 11 61             |                  |
| 1413                    |                  |                               | 10.0         | 5130                      | 0.25  | 10.9  | . 1               |                  |
| 1453                    |                  |                               | 10.0         | 5-050                     | 0.25  | 10 7  | V                 |                  |
|                         |                  |                               | , , ,        |                           |   |   |                   |                  |
| Turbidity:<br>(circle)  | dear             | moderate<br>very              | Sar          | nple Method<br>(describe) | 9   | composite   |                   | bailer other     |
|                         | Field Pa         | arameters                     |              |                           |   | s Collected   |                   |                  |
|                         | Sample           | Duplicate                     | Quantity     | Size                      | Filter or Unfilt                                | Preservative  | Parameter         | Additional Notes |
| ORP (mV)                |                  |                               | 1            | 250 ml                    | F or UF   | NaOH  | Total/WAD/Free    |                  |
| DO (mg/l)               |                  |                               | 1            | 250 ml                    | F or UF   | Raw   | Fluoride          |                  |
| pH                      | 10.0             |                               |              | ml                        | F or UF   |   |                   |                  |
| SC (µmhos/cm)           | 5050             |                               |              | ml                        | F or UF   |   |                   |                  |
| urbidity (ntu)          |                  |                               |              | mi                        | F or UF   |   |                   |                  |
| H₂O Tmp. (°C)           | 10.7             |                               |              | mt                        | F or UF   |   |                   |                  |
| Color                   |                  |                               |              | ml                        | F or UF   |   |                   |                  |
| Other:                  |                  |                               |              | ml                        | F or UF   |   |                   |                  |
| _                       | in mil           |                               |              | ml                        | F or UF   |   |                   |                  |
| Comments:               | LV 5 4           |                               |              |                           |   |   |                   |                  |
|                         |                  |                               |              |                           |   |   |                   |                  |
|                         |                  |                               |              |                           |   | )   |                   |                  |
| Sampl                   | e Team Memb      | er Signature                  |              | A                         | to  |   | Done              | , , ,            |

KM-7 (Depth to water)

| Sample Tear  | Project Name:<br>Project Code:<br>m Member(s):<br>oratory Used: | 9088.00, Pha<br>Chavez     |               |                    | Sample C                            | Designation<br>ode Number<br>Sample Date<br>Sample Time | KMCP-1B        | -9-/c            |
|--|---|----------------------------|---------------|--------------------|-------------------------------------|---|----------------|------------------|
|  |   | D 25 50 6                  |               |                    |                                     | oundwater S   |                |                  |
| _1f 1  | Duplicate San<br>Please Rec                                     | nple Collected             | <u>1</u> ,    |                    | well volume                         |   | ,              | . Commer         |
| Dunlinat   | e Sample Code #:  |                            |               |                    | formula:                            | V = (TD-SWL)x(  |                | 1                |
| The state of the s | cate Sample Time:   |                            |               |                    | 1 D (π):                            | 181.55  |                | -                |
|  |   |                            |               | Casino             | :(ft)<br>(", <u>Dia</u> meter (I.D. |   |                | -                |
|  | Site Con  | ditions                    |               |                    | Volume (V) (gal):                   |   |                | -                |
|  |   |                            | - 7           |                    | x 3=(gal.)                          |   |                | -                |
| New Site: (  |   | Photo taken:               | Yes (No       | Actual Vo          | l. Removed (gal.)                   |   |                | *                |
| Site Type:   | DRY   | surface water              | process water | Water              | Level Recovery:                     | slow mod  | erate rapid    | 7-5              |
|  | monitoring v  | well domestic w            | ell adit seep |                    | For:                                | Surface Wate  | r Samples      |                  |
|  | spring- other:  |                            |               | Flow Meth          | od: Manch                           | MaDimon Mak   | and the second |                  |
| Weath  | er Conditions:  | calm breez no precip. ra   | in snow       |                    | v or Description                    | McBirney Volu   | metric Flume   | Welr Estir       |
| Air  | Temperature:  |                            |               | Flow:              | gpm                                 | cfs   | Staff Gage:    |                  |
|  |   |                            | Field Pa      | rameter Sta        | bilization                          |   |                |                  |
| Time<br>(military)   | Oxidation<br>Reduction<br>Potential (mV)                        | Dissolved<br>Oxygen (mg/l) | pH            | S.C.<br>(µmhos/cm) | Purge Vol.<br>(gal)                 | Temperature   | Additional Par | ameters<br>Notes |
| 1101   |   | 75                         | 8.3           | 5 23               | 6.12                                | (°C)  | Clea           |                  |
| 1104   |   |                            |               | 515                | 0.25                                | 10.9  | 11             |                  |
| 1106   |   |                            | 8.1           | 509                | 0.25                                | 11.0  | "              |                  |
| 1109   |   |                            | 8.1           | 508                | 0.25                                | 10.7  | (1)            |                  |
|  |   |                            |               |                    |                                     |   |                |                  |
| Turbidity:   | clear   | moderate                   | Sar           | mple Method        | d: grab                             | composite   | (pump)         | bailer other     |
| (circle)   | slight  | very                       |               | (describe)         | _                                   | npling - dedicate                                       |                |                  |
|  | Field P.  | arameters                  |               |                    |                                     | s Collected   |                |                  |
|  | Sample  | Duplicate                  | Quantity      | Size               | Filter or Unfilt.                   | Preservative  | Parameter      | Additional N     |
| ORP (mV)   |   |                            | 1             | 250 ml             | For UF                              | NaOH  | Total/WAD/Free |                  |
| DO (mg/l)  | 60  |                            | 1             | 250 ml             | F or UF                             | Raw   | Fluoride       |                  |
| pH   | 8.1   |                            | 1             | mi                 | F or UF                             |   |                |                  |
| SC (µmhos/cm)  | 508   |                            |               | mi                 | F or UF                             |   |                |                  |
| Turbidity (ntu)  | 10.7  |                            |               | VOA                | F or UF                             |   |                |                  |
| H₂O Tmp. (°C)<br>Color   | 10.1  |                            |               | mi                 | F or UF                             |   |                |                  |
| Other:   |   |                            |               | ml                 | F or UF                             |   |                |                  |
|  |   |                            |               | mi<br>mi           | For UF                              |   |                |                  |
| Comments:  | 1022  |                            |               | ml                 | For JF                              |   |                |                  |
|  |   |                            |               |                    |                                     |   |                |                  |

Sample Team Member Signature:

Page

157.02

KMCP-1A (DTW)

## Water Sampling Form ~~ HF-430r1

| Hydrometrics, Inc                  |   |
|------------------------------------|---|
| Consulting Scientists and Engineer | 5 |

|                 | roject Name:<br>Project Code: | Kaiser Mead<br>9088.00, Phas | se 002        |              |                   | Designation:<br>ode Number:  |   |                |        |
|-----------------|-------------------------------|------------------------------|---------------|--------------|-------------------|--|---|----------------|--------|
|                 | n Member(s):                  |                              |               |              |                   | Sample Date:   |   | 16             |        |
|                 |                               | SVL Analytica                | l I           |              | 9                 | Sample Time:   | 1000                                    |                | itary) |
|                 | •                             |                              |               |              |                   |  |   | (1111)         | taly)  |
| 32.2            |                               |                              |               |              | For Gr            | oundwater Sa   | amples                                  |                |        |
| _If E           |                               | ple Collected                | L             |              | well volume       |  |   | 0              |        |
|                 | Please Rec                    | ord Below                    |               |              | formula:          | V = (TD-SWL)x(   |   |                |        |
| Duplicate       | Sample Code #:                |                              |               | 1            | TD (ft):          | 171.29   | *************************************** |                |        |
| Duplic          | ate Sample Time:              |                              |               | 1            | SWL (ft):         | 15 7   |   | •              |        |
|                 |                               |                              |               | Casing       | Diameter (I.D.")  |  |   | 8              |        |
|                 | Site Con                      | ditions                      |               |              | /olume (V) (gal): |  |   | <u>.</u>       |        |
| New Site:       | Yes (No)                      | Photo taken:                 | Yes (No       | A shoot Net  |                   |  |   |                |        |
| Site Type:      | DRY                           |                              |               |              | Removed (gal.)    |  |   |                |        |
| Oile Type.      | DRY                           | surface water                | process water | vvater       | Level Recovery:   | slow mode  | erate rapid                             |                |        |
|                 | monitoring v                  | vell domestic we             | ll adit seep  |              | For:              | Surface Wate   | r Samples                               |                |        |
|                 | spring- other:                |                              |               | Flow Metho   | od: Marsh         | McBirney Volu  | metric Flume                            | Weir Estima    | te     |
| Weath           | er Conditions:                | calm (breeze                 | vindy         | Other Flow   | or Description    | ALC: NO PER LINE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IN COLUMN |   |                |        |
| 77000           | ci conditions.                | no precip. rair              | ·             | Office Flow  | or Description    | )II,   |   |                |        |
|                 |                               | clear ) p. cloudy            |               | A THE SOL    |                   |  |   |                |        |
| Air             | Temperature:                  |                              |               | Flour        |                   | -6.  | Staff Cons                              |                |        |
| /30             | Tomporature.                  | 0                            | /3 [          | Flow:        | gpm               | cfs  | Staff Gage:                             |                |        |
|                 |                               |                              | Field Pa      | rameter Stat | oilization        |  |   |                |        |
|                 | Oxidation                     |                              |               |              |                   |  | Additional Para                         | ameters        | 10     |
| Time            | Reduction                     | Dissolved                    |               | S.C.         | Purge Vol.        | Temperature  |   | Notes          |        |
| (military)      | Potential (mV)                | Oxygen (mg/l)                | pH            | (µmhos/cm)   | (gal)             | (°C)   |   |                |        |
| 1019            |                               |                              | 8.5           | 477          | 0.25              | 9.3  | (10                                     | PEIU           |        |
| 1024            |                               |                              | 20-3          | 757          | 0.45              | 9.4  |   | ar.            |        |
| 1028            |                               |                              | 8.3           | 425          | 0-63-             | 9.7  |   | į.             |        |
| 1033            |                               |                              | 6.3           | 412          | 0.15              | 4.9  |   |                |        |
|                 |                               |                              |               |              |                   |  |   |                |        |
|                 |                               |                              |               |              |                   |  |   |                |        |
|                 |                               |                              |               |              |                   |  |   |                |        |
| Turbidity:      | clear                         | moderate                     | Sar           | nple Method  | : grab            | composite  | pump                                    | bailer other   |        |
| (circle)        | slight                        | very                         |               | (describe)   | _                 | pling - dedicate   |   |                |        |
| (               |                               | -                            |               | (00001100)   |                   |  | a bladder pullip                        |                | _      |
|                 | (28)                          | arameters                    | 2             |              |                   | s Collected  |   |                |        |
|                 | Sample                        | Duplicate                    | Quantity      | Size         | Filter or Unfilt. | Preservative   | Parameter                               | Additional Not | es     |
| ORP (mV)        |                               |                              | 1             | 250 ml       | F or UF           | NaOH   | Total/WAD/Free                          | CN             |        |
| DO (mg/l)       |                               |                              | 1             | 250 ml       | F or UF           | Raw  | Fluoride                                |                |        |
| pH              | 53                            |                              |               | ml           | F or UF           | R  |   |                |        |
| SC (µmhos/cm)   | 4/12                          |                              |               | ml           | F or UF           |  |   |                |        |
| Turbidity (ntu) |                               |                              |               | VOA          | F or UF           |  |   |                |        |
| H₂O Tmp. (°C)   | 9.9                           |                              |               | mi           | F or UF           |  |   |                |        |
| Color           |                               |                              |               | ml           | F or UF           |  |   |                |        |
| Other:          |                               |                              |               | mi           | For UF            |  |   |                |        |
|                 | : 1 :- 7                      |                              |               | ml           | F or UF           |  |   |                |        |
| Comments:       | -221                          |                              |               |              |                   |  |   |                |        |
|                 |                               |                              |               |              |                   |  |   |                |        |
|                 |                               |                              |               | 1            | 1                 |  |   |                |        |
|                 |                               |                              |               | 1 ( )        | //                |  |   |                |        |
| Sampl           | e Team Memb                   | oer Signature:               | /4            | T.           | my -              |  | Page                                    | / of /         |        |
|                 |                               |                              | ,             |              | KMCP-2A (         | DTW)   | 130.38                                  |                |        |
|                 |                               |                              |               |              |                   | /  |   | ( ) · ·        |        |

## Water Sampling Form ~~ HF-430r1

## Hydrometrics, Inc. Consulting Scientists and Engineers

|  | roject Name:     |                  |               | 001                  |                   | Designation:      |   | gineers         |             |
|--|------------------|------------------|---------------|----------------------|-------------------|-------------------|---|-----------------|-------------|
|  |                  | 9088.00, Pha     | se 002        |                      |                   | ode Number:       |   |                 |             |
| Sample Team  |                  |                  |               |                      |                   | Sample Date:      |   |                 | 6           |
| Labo   | pratory Used:    | SVL Analytica    | 31            |                      | S                 | Sample Time:      | 1157                                    | ,               | (military)  |
|  |                  |                  |               |                      |                   | oundwater Sa      |   |                 |             |
| _If E  |                  | ple Collected    | 1,            |                      | well volume       |                   |   |                 |             |
|  | Please Rec       | ord Below        |               | 1                    | formula:          | V = (TD-SWL)x(I   | <u>Dia.²)</u> 25                        | <sub>5</sub> Co | mments      |
| Duplicate  | e Sample Code #: |                  |               |                      | ⁻D (ft):          | 161.53            | *************************************** |                 |             |
| Duplic   | ate Sample Time: |                  |               |                      | SWL (ft):         |                   |   | -               |             |
| A STATE OF THE STA |                  |                  |               | Casino               | Diameter (I.D.")  |                   | /                                       | -               |             |
|  | Site Con         | ditione          |               |                      | ,                 |                   |   | -0              |             |
|  | one con          | unions           |               | vvater               | /olume (V) (gal): |                   |   | -               |             |
| New Site:  | Yes (No /        | Photo taken:     | Yes (No)      |                      | x 3=(gal.)        |                   |   | -               |             |
| Site Type.   | DRY              |                  | 1,2           |                      | Removed (gal.)    |                   | 75                                      | -               |             |
| Site Type.   | DRT              | surface water    | process water | vvater               | Level Recovery:   | slow mode         | erate rapid                             |                 |             |
|  | ( monitoring v   | vell domestic we | ell adit seep |                      | For               | Surface Wate      | r Samples                               |                 |             |
|  | spring-other:    |                  |               | Flow Meth            | od: Marsh         | McBirney Volum    | metric Flume                            | Weir            | Estimate    |
| Mooth  | or Conditions    | 1                |               | 3 Sept. 200 (100 p.) | 200 P 30 75 3 10  |                   |   |                 |             |
| vveau  | el Collallions   | calgo breez      | )             | Other Flow           | or Description    | on:               |   |                 |             |
|  |                  | no precip. ra    |               |                      |                   |                   |   |                 |             |
| ,  |                  | clear p. cloudy  |               |                      |                   |                   | Barrier T.                              |                 |             |
| Air  | Temperature:     | °C               | 19 °F         | Flow:                | gpm               | cfs               | Staff Gage:                             |                 |             |
|  |                  |                  | Field Pa      | rameter Stal         | oilization        |                   |   |                 | _           |
|  | Oxidation        |                  |               |                      |                   |                   | Additional Par                          | rameters        | OI          |
| Time   | Reduction        | Dissolved        |               | S.C.                 | Purge Vol.        | Temperature       |   | Notes           |             |
| (military)   | Potential (mV)   | Oxygen (mg/l)    | pH            | (µmhos/cm)           | (gal)             | (°C)              |   |                 |             |
| 1213   |                  |                  | 9.9           | 3560                 | 09.65             | 12.0              | 1354                                    | 1 70            | How         |
| 1220   |                  |                  | 10.0          | 3500                 | 0.15              | 12.3              |   | 1               |             |
| 1225   |                  |                  | 10.0          | 35.50                | 0.25              | 11.5              | -                                       |                 |             |
|  |                  |                  |               |                      |                   |                   |   |                 |             |
|  |                  |                  |               |                      |                   |                   |   |                 |             |
|  |                  |                  |               |                      |                   |                   |   |                 |             |
|  |                  |                  |               |                      |                   |                   |   |                 |             |
| Tanahialihaa   |                  |                  | -             |                      |                   |                   |   |                 |             |
| Turbidity:   | dear             | moderate         | Sa            | mple Method          |                   | composite         | pump                                    | bailer          | other       |
| (circle)   | siight           | very             |               | (describe)           | Low flow san      | npling - dedicate | d bladder pum                           | <u> </u>        |             |
|  | Field P          | arameters        |               |                      | Bottle            | es Collected      |   |                 |             |
|  | Sample           | Duplicate        | Quantity      | Size                 | Filter or Unfilt. | Preservative      | Parameter                               | Additi          | ional Notes |
| ORP (mV)   |                  |                  | 1             | 250 ml               | For UF            | NaOH              | Total/WAD/Fre                           |                 |             |
| DO (mg/l)  |                  |                  | 1             | 250 ml               | F or UF           | Raw               | Fluoride                                | T               |             |
| ρΗ   | 10.0             | Ì                |               | m(                   | F or UF           |                   | 1                                       | T               |             |
| SC (µmhos/cm)  | 3590             |                  |               | mi                   | For UF            |                   |   | 1               |             |
| Turbidity (ntu)  |                  |                  |               | mi                   | For UF            |                   |   | +               |             |
| H₂O Tmp. (°C)  | 11.5             |                  |               | ml                   | F or UF           |                   |   | +               |             |
| Color  |                  |                  |               | मा                   | For UF            |                   |   | +               |             |
| Other:   |                  |                  |               | ml                   | F or UF           |                   |   | +               |             |
|  |                  |                  | -             |                      |                   |                   |   | +               |             |
| Comments:  | ID 54            |                  |               | ml                   | For UF            |                   |   |                 |             |
|  | -                |                  |               |                      |                   |                   |   |                 |             |
|  |                  |                  |               |                      | 1                 |                   |   |                 |             |
| - 0  |                  |                  | . 1           | 1 1                  | 5                 |                   |   |                 |             |
| Samp   | le Team Mem      | ber Signature:   | N             | 1 - 6                |                   |                   | Page                                    | ī               | of /        |
| 67   |                  | - <del> </del>   | -t            |                      | 1                 |                   |   |                 |             |
|  |                  |                  | 2             |                      | KMCP-3A           | (DTW)             | 106.                                    | 18              |             |

| Pr<br>Sample Team  | Member(s):                  | 9088.00, Phase             | e 002        |                    | Sample Co<br>S<br>Sample Co |                              | 1/23                   |        | (military  |
|--------------------|-----------------------------|----------------------------|--------------|--------------------|-----------------------------|------------------------------|------------------------|--------|------------|
|                    | "                           |                            |              |                    | For Gro                     | undwater Sa                  | mpies                  |        |            |
| If Di              |                             | ple Collected,             |              | -                  | well volume<br>formula:     | V = <u>(TD-SWL)x(</u> [      | Dia. <sup>2</sup> ) 25 | Con    | nments     |
|                    | Please Reco                 | ord Below                  |              | 1                  | TD (4)                      | 160 EQ                       | <u> </u>               |        |            |
| ,                  | Sample Code #:              |                            |              |                    |                             |                              |                        |        |            |
| Duplica            | te Sample Time:             |                            |              | Casina             | Diameter (I.D.")            | 1460                         | 3 7                    |        |            |
|                    | Site Con                    | ditions                    |              | _                  | olume (V) (gal).            |                              |                        |        |            |
| New Site:          | Yes (No )                   | Photo taken:               | Yes (No)     | Actual Vol.        | Removed (gal.)              |                              |                        |        |            |
| Site Type:         | -                           |                            | rocess water |                    | evel Recovery:              | slow mode                    | rate rapid             |        |            |
| One Type.          | 39:10:11                    | rell domestic well         |              |                    |                             | urface Water                 |                        |        |            |
|                    | spring- other:              |                            |              | Flow Metho         | od: Marsh i                 | MoBirney Volu                | metric Flume           | Weir   | Estimate   |
| Months             | er Conditions:              | anim (hroozo               | windy        |                    | or Descriptio               | Mark to the last to the last |                        |        |            |
| vveaute            | i Conditions.               | no precip. rain            |              | Obici Flow         | Or Descriptio               |                              |                        |        |            |
|                    | /                           | clear p. cloudy            | overcast     | (a) (a) (a)        |                             |                              |                        |        |            |
| Air                | Temperature:                | °C                         | 45 °F        | Flow:              | gpm                         | cfs                          | Staff Gage:            |        |            |
|                    |                             |                            | Field Pa     | rameter Stab       | ilization                   |                              | and the second         | _      |            |
|                    | Oxidation                   |                            | rieiura      | rameter Stat       | mzacion                     |                              | Additional Para        | meters | -          |
| Time<br>(military) | Reduction<br>Potential (mV) | Dissolved<br>Oxygen (mg/l) | рН           | S.C.<br>(µmhos/cm) | Purge Vol.<br>(gal)         | Temperature<br>(°C)          | ı                      | Notes  |            |
| 1135               |                             |                            | 8.7          | 1746               | 0.25                        | 11.2                         | 1:54 +                 | 70/1   | OW         |
| 1137               |                             |                            | 9.1          | 1860               | 0.25                        | 11.3                         | # X                    | * **   |            |
| 1140               |                             |                            | 9.2          | 1958               | 0.15                        | 11.2                         | 160                    |        |            |
| 1143               |                             |                            | 9.2          | 1916               | 0 25                        | 11.3                         | C.8                    | 1.8    |            |
|                    |                             |                            |              |                    |                             |                              |                        |        |            |
|                    |                             |                            |              |                    |                             |                              |                        |        |            |
|                    |                             |                            |              |                    |                             |                              |                        |        |            |
| Turbidity:         | Elear )                     | moderate                   | Sai          | mple Method        | : grab (                    | composite                    | (pump)                 | bailer | other      |
| (circle)           | slight                      | very                       |              | (describe)         | Low flow sam                | pling - dedicate             | d bladder pump         | h2     |            |
|                    | Field P                     | arameters .                |              |                    | Bottle                      | s Collected                  |                        |        |            |
|                    | Sample                      | Duplicate                  | Quantity     | Size               | Filter or Unfilt.           | Preservative                 | Parameter              | Additi | onal Notes |
| ORP (mV)           | Gumpio                      |                            | 1            | 250 ml             | F or UF                     | NaOH                         | Total/WAD/Free         | e CN   |            |
| DO (mg/l)          |                             |                            | 1            | 250 ml             | For UF                      | Raw                          | Fluoride               |        |            |
| pH                 | 9.2                         |                            |              | ml                 | For UF                      |                              |                        |        |            |
| SC (µmhos/cm)      | 1916                        |                            |              | ml                 | For UF                      |                              |                        |        |            |
| Turbidity (ntu)    | 1, 1,0,0                    |                            |              | ml                 | F or UF                     |                              |                        |        |            |
| H₂O Tmp. (°C)      | 11.3                        |                            |              | m!                 | F or UF                     |                              |                        |        |            |
| Golor              |                             |                            |              | ml                 | F or UF                     |                              |                        |        |            |
| Other:             |                             |                            |              | ml                 | F or UF                     |                              |                        |        |            |
|                    | - A control                 |                            |              | mt                 | F or UF                     |                              |                        |        |            |
| Comments:          | ID 24                       |                            |              |                    |                             |                              |                        |        |            |
|                    |                             |                            |              |                    |                             |                              |                        |        |            |
|                    |                             |                            |              |                    | <del>)</del>                |                              |                        |        |            |
|                    | - T                         | h 0: t                     | -/1          | -                  |                             |                              | Dava                   | -,     | of 1       |
| Samp               | ie i eam Mem                | ber Signature:             |              |                    | CM                          |                              | Page                   |        | of         |

## Water Sampling Form ~~ HF-430r1

| Hydrometrics,                | Inc.    | <b>A</b> |
|------------------------------|---------|----------|
| Consulting Scientists and En | oineers |          |

|                         |                        |                    |               |                    |  |                     | ting Scientists and Eng | jineers                                   |
|-------------------------|------------------------|--------------------|---------------|--------------------|--|---------------------|-------------------------|---|
|                         | roject Name:           |                    |               |                    |  | Designation:        |                         |   |
|                         |                        | 9088.00, Phas      | se 002        |                    |  | ode Number:         |                         |   |
|                         | n Member(s):           |                    |               |                    |  |                     | 2-29-                   | - 16                                      |
| Labo                    | oratory Used:          | SVL Analytica      |               |                    | 9  | Sample Time:        | 920                     | (military                                 |
|                         |                        |                    |               |                    | For Gre  | oundwater Sa        | amples                  |   |
| <u>If L</u>             |                        | ple Collected,     |               |                    | well volume  |                     |                         | 0   |
|                         | Please Rec             |                    |               | . 1                | formula:   | V = (TD-SWL)x(      | <u>Dia.</u> ²) 25       |   |
|                         | e Sample Code #:       |                    |               |                    | TD (ft):   | 152.39              |                         | ***************************************   |
| Duplic                  | ate Sample Time:       |                    |               |                    | SWL (ft):  | 143.                | ~ 3                     | <u>*</u>                                  |
|                         | Site Con               | ditions            |               |                    | <u>Dia</u> meter (I.D.")<br>/olume (V) (gal):  | 2                   |                         | *<br>#                                    |
| Now Sito:               | Yes /No /              | Dhata taliani      | Van Ma        |                    | x 3≃(gal.)   |                     |                         | e e                                       |
| New Site:<br>Site Type: |                        | Photo taken:       | Yes No        |                    | Removed (gal.)   |                     |                         |   |
| Site Type.              | DRY                    | surface water      | process water | Water              | Level Recovery:  | elow mode           | erate rapid             |   |
|                         | (monitoring v          | velD domestic well | l adit seep   |                    | For S  | Surface Wate        | r Samples               |   |
|                         | spring- other:         |                    |               | Flow Metho         | od: Marsh  | McBirney Volu       | metric Flume            | Weir Estimate                             |
| \//eath                 | er Conditions:         | calm, breeze       | windy         | Other Flow         | or Description   | FISHER, STREET      |                         | Louis Louis                               |
| 770001                  | er conditions.         | no precip. rair    | , , ,         | Other Flow         | of Description   | n                   |                         |   |
|                         |                        | clear p. cloudy    |               | A MARKET           |  |                     |                         |   |
| Air                     | Temperature:           | p. cloudy          | 42 °F         | Flow:              | Direction of the last of the l |                     | Claff Care              |   |
| 7.01                    | remperature.           |                    |               |                    | gpm  | cfs                 | Staff Gage:             |   |
|                         | 6.11.11                |                    | Field Pa      | rameter Stab       | oilization   |                     |                         |   |
| Time                    | Oxidation<br>Reduction | Dissolved          |               | S.C.               | B M I  | Tommountum          | Additional Para         | D. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. |
| (military)              | Potential (mV)         | Oxygen (mg/l)      | рН            | j.c.<br>(μmhos/cm) | Purge Vol.   | Temperature<br>(°C) | 11                      | Notes                                     |
| 934                     | l                      | - Aygun (mgm)      | 8.6           | 4168               | (gal)  | 7.5                 | (/20                    |   |
| 940                     |                        |                    | 8.3           | 2/4/4-             | 075  | 8.4                 | 11                      |   |
| 9415                    |                        |                    | 8.3           | 447                | 025  | 8.3                 | 11                      |   |
| दायव                    |                        |                    | 9.3           | 446                | a.25   | 5.5                 | 11                      |   |
|                         |                        |                    | 0.3           | 410                | 2.1.2.5  | £1.7                | 1                       |   |
|                         |                        |                    |               |                    |  |                     | +                       |   |
|                         |                        |                    |               |                    |  |                     |                         |   |
| Turbidity:              | alana                  | was do not o       | Con           | nala Masthad       |  |                     |                         |   |
| _                       | clear                  | moderate           | Sar           | nple Method        |  | composite           |                         | bailer other                              |
| (circle)                | slight                 | very               |               | (describe)         | Low flow sam   | pling - dedicate    | d bladder pump          | 4   |
|                         | ,                      | <u>arameters</u>   |               |                    | Bottle   | s Collected         |                         |   |
|                         | Sample                 | Duplicate          | Quantity      | Size               | Filter or Unfilt.  | Preservative        | Parameter               | Additional Notes                          |
| ORP (mV)                |                        |                    | 1             | 250 ml             | UF   | NaOH                | Total/WAD/Free          | : CN                                      |
| DO (mg/l)               |                        |                    | 1             | 250 ml             | UF   | Raw                 | Fluoride                |   |
| pH                      | 8.3                    |                    |               |                    |  |                     |                         |   |
| SC (µmhos/cm)           | 446                    |                    |               |                    |  |                     |                         |   |
| Turbidity (ntu)         |                        |                    |               |                    |  |                     |                         |   |
| H₂O Tmp. (°C)           | 8.5                    |                    |               | ml                 | F or UF  |                     |                         |   |
| Color                   |                        |                    |               | ml                 | F or UF  |                     |                         |   |
| Other:                  |                        |                    |               | ml                 | F or UF  |                     |                         |   |
| 0                       | T N 100                |                    |               | ml                 | F or UF  |                     |                         |   |
| Comments:               | IDSC.                  |                    |               |                    |  |                     |                         |   |
|                         |                        |                    |               |                    |  |                     |                         |   |
|                         |                        |                    |               | 1/                 | 1  |                     |                         |   |
| Comp                    | le Team Memi           | or Cianature       |               | 110                | 1//  |                     |                         |   |
| Samb                    | e ream Memi            | dei olonainte.     | 100           | 151                |  |                     | Dogo                    | 1 04                                      |

KMCP-5A (DTW)

# CHAIN OF CUSTODY RECORD

SVI. Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

Invoice Sent To: Contact Address:

Hydrometrics

Report to Company:

Contact

Address:

haver

Phone Number:

Phone Number: 20% 660 8548

W & COOSZ FOR SV. USE ONLY SV. JOB#

3 TEMP on Receipt: Table 1. - Matrix Type

I = Surface Wester, 2 = Ground Waster

3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil 8 = Waste, 9 = Other:

Kaiser Mead

Project Name:

Comments Sampler's Signature: Analyses Required FAX Number: B-mails chave 20 hydrometrics. Com PON. Indicate State of sample origination: & A FAX Number:

ハン

330 8 00 03/03/16 03/02/16 Rush Instructions (Days) 10. Conduct 2212 をいっていると White: LAB COPY 1 2 OMM 201,00 Other (Specify) 7 2 HORN Preservative(s) 'OS'H HCI HNO<sub>3</sub> Unfiltered Se Sal 2000 Filtered Form 2 Unpreserved 4 4 5 P3-2-16 No. of Containers Misc. Matrix Type (From Table 1) 2-2-16 115046 1026 KG Collected by: (Init.) 1224 1300 Collection 3-5-16 Date Please take care to distinguish between: 1 and 1 2 and 2 5 and 8 6 and 0 326 Sample ID 76 イメーク アールク として ) 3 Thanks

SVL-COC 01/14

Yellow: CUSTOMER COPY

Store (30 Days)

Dispose

\* Sample Reject

## SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

| item | Description   | ٧ | VC | NV | NA | GW, SW<br>Comments   |
|------|---|---|----|----|----|--|
| 1    | Client or project name  |   |    |    |    | Hudsomalsia, T. ana  |
| 2    | Date and time of receipt at lab   |   |    |    |    | Ayolometrics, Inc CIDA   |
| 3    | Received by   |   |    |    |    | Hydrometrics, Inc CDA<br>3-2-16 1336<br>PS   |
| 4    | Temperature blank or cooler temperature   |   |    |    |    | Temp. 8 °C. 76°C (Q6)  |
| 5    | Were the sample(s) received on ice  |   |    |    |    | The state of the s |
| 6    | Custody tape/bottle seals   |   |    |    |    | Yes  |
| 7    | Condition of samples upon receipt (leaking; bubbles in VOA vials  |   |    |    |    |  |
| 8    | Sample numbers/IDs agree with COC   |   |    |    |    |  |
| 9    | Sample date & time agree with COC   |   |    |    |    |  |
| LO   | Number of containers for each sample  |   |    |    |    |  |
| 1    | The correct preservative for the analysis requested   |   |    |    |    | Cool NaOH pres. by   |
| 2    | Did an SVL employee preserve<br>sample(s) upon receipt  |   |    |    |    |  |
| 2    | Type of container for each sample / volume received   |   |    |    |    |  |
| 3    | Analysis requested for each sample  |   |    |    |    |  |
| 4    | Sample matrix description   |   |    |    | -  |  |
| 5    | COC properly completed & legible  |   |    |    |    | 30   |
| 5    | Corrections properly made<br>(initials & date)  |   |    |    |    |  |
| 7    | Additional comments or records of sample condition or treatment (unlisted or missing samples at laboratory, allquot taken, sample |   |    |    |    | KLG Fluoride (4)<br>Total & WAD CN (4  |
| -    | hold, samples subcontracted,<br>communications between client<br>and laboratory)  |   |    |    |    | Total & WAD CN (4) Free CN (1)   |
| 3    | Shipper's air bill  |   |    |    |    | Free CN (')  |

| WWCOOLX<br>FOR SAL USE ONLY<br>SAL JOB# | TEMP on Receipt: 5°C   | Table 1. – Matrix Type  1 = Surface Water, 2 = Ground Water  3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil  8 - Waste, 9 = Other. | Project Name: Kailfor M cacl  |
|---|--|--|---|
| Page 1 of                               | SVL Analytical, Inc. • One Government Guich • Keltogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891 | port to Company: Hydrometh C.C. Invoke Sent To: JAME Contact: 100 Chave Readers: Address:  | Phone Number 209-660-9548  FAX Number:  FAX |

|                                       |                 |                           |            |            |                         |                 |                  |            |           | ×     | Analyses Required | pained                | Ц          |                  | Comments   |               |
|---------------------------------------|-----------------|---------------------------|------------|------------|-------------------------|-----------------|------------------|------------|-----------|-------|-------------------|-----------------------|------------|------------------|------------|---------------|
| Indicate State of sample origination: | le origination: | 4                         |            |            |                         |                 |                  |            |           | N     |                   |                       |            |                  |            |               |
| Sample ID                             | Collection      | 2                         | Misc.      |            | Pres                    | Preservative(s) | e(s)             |            |           | ) 2   |                   |                       |            |                  |            |               |
| ase take care to distinguish between: |                 | _                         |            |            | _                       |                 |                  | _          | ä         | ورد   | -                 |                       | _          |                  |            |               |
| 1 and I<br>2 and Z<br>5 and S         |                 | (, sidaT n                |            |            |                         |                 |                  |            | ייום      | (4b)  |                   |                       | (Days)     |                  |            |               |
| ø and                                 |                 | _                         |            |            |                         |                 | -                | (Çîi:      | 10        | v/ '  |                   |                       | opsa.      |                  |            |               |
| ngnks!                                |                 | yd botoollo<br>eqyT xirte | o. of Cont | npreserved | NO, Filter<br>NO, Unfil | cı              | ,OS <sub>s</sub> | ther (Spec | 1         | 12to  |                   |                       | rteal days |                  |            |               |
|                                       | Date Time       | CC                        |            | - 1        | -                       | -               |                  | - 15       | Ť         | 4     | -                 |                       | 4          |                  |            | 10,           |
| KM-1                                  | 2-29-81540 KC 2 | 7                         | -          | 2          |                         |                 | 7                | $\dashv$   | 2         | 7     | 1                 |                       | -          |                  |            | -!<br>        |
| アースー                                  | ) 1343          |                           |            | _          | _                       |                 |                  |            | -         | 7     |                   |                       | +          |                  |            |               |
| 1-12-3                                | h5%             |                           |            |            | $\dashv$                |                 |                  |            |           |       |                   |                       | 4          |                  |            |               |
| 1                                     | 8141            |                           | _          |            |                         |                 |                  |            |           |       |                   |                       | -          |                  |            |               |
| KM-6                                  | [7453           |                           |            |            |                         |                 |                  |            |           |       |                   |                       | $\dashv$   |                  |            |               |
| rwcp-18                               | 6011            |                           | =          |            | $\dashv$                |                 |                  |            |           |       |                   |                       | -          |                  |            |               |
| KMC1-28                               | 1033            | Ξ                         |            | _          |                         |                 |                  | _          |           | -     |                   |                       | +          |                  |            |               |
| KMCP-3B                               | 1225            |                           |            |            |                         |                 |                  |            |           |       |                   |                       | +          |                  |            |               |
| KMC1 - 4 B                            | 1,43            |                           |            | -          |                         |                 |                  |            | _         |       |                   |                       | 4          |                  |            |               |
| WW.P.S.R                              | 676             | -                         | _          |            |                         |                 | -                |            |           | -     |                   |                       | -          |                  | Ì          |               |
| 1                                     |                 | Dute                      | 13         | -          | Cho. Paul               | Received by:    | ed by:           | ľ          | 3         | Len   | 3                 |                       | Date.      | 911 10/20 3110   | Time: (300 | 0             |
| 1                                     |                 | 9/60                      | 100        | -          |                         | Received by     | ed by:           |            |           |       |                   |                       | Day.       | Dave 0,3/1/2/116 | - PO       | 8             |
| Court Doller                          | □ Discose       | Store (30 Days            | ş          |            |                         |                 |                  | \$         | White: LA | Sept. | Yellow: C         | Yellow: CUSTOMER COPY | "          | 2/0/16           | 10:30      | SVL-COC 01/14 |

## SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

The following Items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information.

| tem | Description  | V  | VC | NV           | NA       | Comments Varcer Mond                  |
|-----|--|----|----|--------------|----------|---------------------------------------|
| 1   | Client or project name   | V  |    |              |          | Andreway They Chares                  |
| 2   | Date and time of receipt at lab  |    |    |              |          | Hydrometrics Tony Chavez.             |
| 3   | Received by  |    |    |              |          | ()                                    |
| 4   | Temperature blank or cooler  | 1/ |    |              | <u> </u> | Temp. 5 °C.                           |
| 5   | temperature Were the sample(s) received on   | ,/ |    |              |          | Temp. 5 °C.                           |
| 6   | Custody tape/bottle seals  |    |    |              |          | <del>y</del>                          |
| 7   | Condition of samples upon receipt (leaking; bubbles in VOA vials   |    |    |              |          | GOOD                                  |
| 8   | Sample numbers/IDs agree with COC  | V  |    |              |          |                                       |
| 9   | Sample date & time agree with COC  |    |    |              |          |                                       |
| .0  | Number of containers for each sample   |    |    | 11           |          |                                       |
| 1   | The correct preservative for the analysis requested  | /  |    | 25-756 === W |          | Naof pres by dient                    |
| 2   | Did an SVL employee preserve sample(s) upon receipt  |    |    |              |          | WD                                    |
| 2   | Type of container for each sample / volume received  |    |    |              |          | 700                                   |
| 3   | Analysis requested for each  |    |    |              |          | × ×                                   |
| 4   | Sample matrix description  | /  | 7. |              |          |                                       |
| 5   | COC properly completed & legible   | /  |    |              |          |                                       |
|     | Corrections properly made (initials & date)  |    | •  |              |          | 1,713                                 |
| 7   | Additional comments or records of sample condition or treatment (unlisted or missing samples at laboratory, aliquot taken, sample hold, samples subcontracted, communications between client and laboratory) |    |    |              |          | Klg: CN; Total, WAD, Free CN Fluoride |
|     | Shipper's air bill   |    |    | Σ            |          | WAIK-IN                               |

|   |   | * * * |
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One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1258

Fax (208) 783-0891

Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815

Project Name: Kaiser Groundwater 2015

Work Order: **W6C0012**Reported: 15-Mar-16 11:40

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| KM-1      | W6C0012-01    | Ground Water | 29-Feb-16 15:40 | AC         | 01-Mar-2016   |       |
| KM-2      | W6C0012-02    | Ground Water | 29-Feb-16 13:43 | AC         | 01-Mar-2016   |       |
| KM-3      | W6C0012-03    | Ground Water | 29-Feb-16 08:54 | AC         | 01-Mar-2016   |       |
| KM-5      | W6C0012-04    | Ground Water | 29-Feb-16 14:18 | AC         | 01-Mar-2016   |       |
| KM-6      | W6C0012-05    | Ground Water | 29-Feb-16 14:53 | AC         | 01-Mar-2016   |       |
| KMCP-1B   | W6C0012-06    | Ground Water | 29-Feb-16 11:09 | AC         | 01-Mar-2016   |       |
| KMCP-2B   | W6C0012-07    | Ground Water | 29-Feb-16 10:33 | AC         | 01-Mar-2016   |       |
| KMCP-3B   | W6C0012-08    | Ground Water | 29-Feb-16 12:25 | AC         | 01-Mar-2016   |       |
| KMCP-4B   | W6C0012-09    | Ground Water | 29-Feb-16 11:43 | AC         | 01-Mar-2016   |       |
| KMCP-5B   | W6C0012-10    | Ground Water | 29-Feb-16 09:49 | AC         | 01-Mar-2016   |       |

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

## Case Narrative

SVL is not accredited in the State of WA for WAD CN in non-potable water.



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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-1

SVL Sample ID: W6C0012-01 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 15:40 Received: 01-Mar-16 ampled By: AC

|                  | S TE Sumple 12: 1100001 | = 01 (010ana | Trucoi, | 54     | inpic Report | I age I OI I |         | Sampl   | ed By: AC      |       |
|------------------|-------------------------|--------------|---------|--------|--------------|--------------|---------|---------|----------------|-------|
| Method           | Analyte                 | Result       | Units   | RL     | MDL          | Dilution     | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters         |              |         |        |              |              |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6   | 0.332        | mg/L    | 0.0100 | 0.0011       |              | W611071 | MAD     | 03/09/16 11:54 |       |
| EPA 335.4        | Cyanide (total)         | 45.0         | mg/L    | 5.00   | 2.20         | 500          | W610188 | MAD     | 03/08/16 11:22 | D2,M3 |
| SM 4500-CN-I     | Cyanide (WAD)           | 0.956        | mg/L    | 0.100  | 0.0260       | 10           | W610187 | MAD     | 03/08/16 13:02 | D2    |
| Anions by Ion C  | hromatography           | 0            |         |        |              |              |         |         |                |       |
| EPA 300.0        | Fluoride                | 73.6         | mg/L    | 5.00   | 2,05         | 50           | W611061 | DT      | 03/14/16 19:48 | D2    |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Birty Gray



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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-2

SVL Sample ID: W6C0012-02 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 13:43 Received: 01-Mar-16

Sampled By: AC

| Analyzed       | Analyst   | Batch  | Dilution  | MDL  | RL  | Units  | Result  | Analyte   | Method  |
|----------------|---|--|---|--|---|--|---|---|---|
|                |   |  |   |  |   |  |   | try Parameters  | Classical Chemis  |
| 03/09/16 12:35 | MAD   | W611071  | 10  | 0.0110   | 0.0500  | mg/L   | 1,73  | Cyanide (free) @ pH 6   | ASTM D7237  |
| 03/08/16 11:24 | MAD   | W610188  | 500   | 2.20   | 5.00  | mg/L   | 97.1  | Cyanide (total)   | EPA 335.4   |
| 03/08/16 13:04 | MAD   | W610187  | 10  | 0.0260   | 0.100   | mg/L   | 4.19  | Cyanide (WAD)   | SM 4500-CN-I  |
|                |   |  |   |  |   |  |   | romatography  | Anions by Ion Ch  |
| 03/14/16 20:04 | DT  | W611061  | 25  | 1,02   | 2,50  | mg/L   | 15.5  | Fluoride  | EPA 300.0   |
| 03/14/16 20:0  | DT  | W611061  | 25  | 1,02   | 2,50  | mg/L   | 15,5  | Fluoride  | EPA 300.0   |
| <b>4</b><br>4  | Analyzed 03/09/16 12:35 03/08/16 11:24 03/08/16 13:04 | MAD 03/09/16 12:35<br>MAD 03/08/16 11:24<br>MAD 03/08/16 13:04 | Batch         Analyst         Analyzed           W611071         MAD         03/09/16 12:35           W610188         MAD         03/08/16 11:24           W610187         MAD         03/08/16 13:04 | Dilution         Batch         Analyst         Analyzed           10         W611071         MAD         03/09/16 12:35           500         W610188         MAD         03/08/16 11:24           10         W610187         MAD         03/08/16 13:04 | MDL         Dilution         Batch         Analyst         Analyzed           0.0110         10         W611071         MAD         03/09/16 12:35           2.20         500         W610188         MAD         03/08/16 11:24           0.0260         10         W610187         MAD         03/08/16 13:04 | RL         MDL         Dilution         Batch         Analyst         Analyzed           0.0500         0.0110         10         W611071         MAD         03/09/16 12:35           5.00         2.20         500         W610188         MAD         03/08/16 11:24           0.100         0.0260         10         W610187         MAD         03/08/16 13:04 | Units         RL         MDL         Dilution         Batch         Analyst         Analyzed           mg/L         0.0500         0.0110         10         W611071         MAD         03/09/16 12:35           mg/L         5.00         2.20         500         W610188         MAD         03/08/16 11:24           mg/L         0.100         0.0260         10         W610187         MAD         03/08/16 13:04 | Result         Units         RL         MDL         Dilution         Batch         Analyst         Analyzed           1,73         mg/L         0.0500         0.0110         10         W611071         MAD         03/09/16 12:35           97.1         mg/L         5.00         2.20         500         W610188         MAD         03/08/16 11:24           4.19         mg/L         0.100         0.0260         10         W610187         MAD         03/08/16 13:04 | Analyte Result Units RL MDL Dilution Batch Analyst Analyzed  try Parameters  Cyanide (free) @ pH 6 1.73 mg/L 0.0500 0.0110 10 W611071 MAD 03/09/16 12:35  Cyanide (total) 97.1 mg/L 5.00 2.20 500 W610188 MAD 03/08/16 11:24  Cyanide (WAD) 4.19 mg/L 0.100 0.0260 10 W610187 MAD 03/08/16 13:04  aromatography |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Berly Gray



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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-3

SVL Sample ID: W6C0012-03 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 08:54 Received: 01-Mar-16

Sampled By: AC

| 11               |                       |          |       |        |        |          |         | oumpi   | ca by. The     |       |
|------------------|-----------------------|----------|-------|--------|--------|----------|---------|---------|----------------|-------|
| Method           | Analyte               | Result   | Units | RL     | MDL    | Dilution | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters       |          |       |        |        |          |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | < 0.0100 | mg/L  | 0.0100 | 0.0011 |          | W611071 | MAD     | 03/09/16 11:58 |       |
| EPA 335.4        | Cyanide (total)       | < 0.0100 | mg/L  | 0.0100 | 0.0044 |          | W610188 | MAD     | 03/08/16 11:26 |       |
| SM 4500-CN-I     | Cyanide (WAD)         | < 0.0100 | mg/L  | 0.0100 | 0,0026 |          | W610187 | MAD     | 03/08/16 13:06 |       |
| Anions by Ion Cl | hromatography         |          |       |        |        |          |         |         |                |       |
| EPA 300,0        | Fluoride              | < 0.100  | mg/L  | 0.100  | 0,041  |          | W611061 | DT      | 03/14/16 20:20 |       |
|                  |                       |          |       |        |        |          |         |         |                |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815

Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-5

SVL Sample ID: W6C0012-04 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 14:18 Received: 01-Mar-16

| Sample  | By: AC   |      |
|---------|----------|------|
| Analyst | Analyzed | Note |
|         |          |      |

|                       |  |   |  |  |   |  | Sump                                    |   |   |
|-----------------------|--|---|--|--|---|--|---|---|---|
| Analyte               | Result   | Units   | RL   | MDL  | Dilution  | Batch  | Analyst                                 | Analyzed                                | Notes                                   |
| try Parameters        |  |   |  |  |   |  |   |   |   |
| Cyanide (free) @ pH 6 | 0.490  | mg/L  | 0.0100   | 0.0011   |   | W611071  | MAD                                     | 03/09/16 12:00                          |   |
| Cyanide (total)       | 83.7   | mg/L  | 5,00   | 2.20   | 500   | W610188  | MAD                                     | 03/08/16 11:28                          | D2                                      |
| Cyanide (WAD)         | 1.02   | mg/L  | 0.100  | 0.0260   | 10  | W610187  | MAD                                     | 03/08/16 13:08                          | D2                                      |
| romatography          |  | .12   |  |  |   |  |   |   |   |
| Fluoride              | 59.7   | mg/L  | 5,00   | 2.05   | 50  | W611061  | DT                                      | 03/14/16 21:08                          | D2                                      |
|                       | try Parameters  Cyanide (free) @ pH 6  Cyanide (total)  Cyanide (WAD)  rromatography | Cyanide (free) @ pH 6 0.490 Cyanide (total) 83.7 Cyanide (WAD) 1.02 cromatography | Cyanide (free) @ pH 6 0.490 mg/L Cyanide (total) 83.7 mg/L Cyanide (WAD) 1.02 mg/L cromatography | Cyanide (free) @ pH 6         0.490         mg/L         0.0100           Cyanide (total)         83.7         mg/L         5.00           Cyanide (WAD)         1.02         mg/L         0.100 | Cyanide (free) @ pH 6         0.490         mg/L         0.0100         0.0011           Cyanide (total)         83.7         mg/L         5.00         2.20           Cyanide (WAD)         1.02         mg/L         0.100         0.0260           cromatography | Cyanide (free) @ pH 6         0.490         mg/L         0.0100         0.0011           Cyanide (total)         83.7         mg/L         5.00         2.20         500           Cyanide (WAD)         1.02         mg/L         0.100         0.0260         10           cromatography | try Parameters    Cyanide (free) @ pH 6 | try Parameters    Cyanide (free) @ pH 6 | try Parameters    Cyanide (free) @ pH 6 |

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One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1258

Fax (208) 783-0891

Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-6

SVL Sample ID: W6C0012-05 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 14:53 Received: 01-Mar-16

|                  | 2-03 (Ground          | water) | Sample Report 1 age 1 01 1 |        |        | Sampled By: AC |         |         |                |       |
|------------------|-----------------------|--------|----------------------------|--------|--------|----------------|---------|---------|----------------|-------|
| Method           | Analyte               | Result | Units                      | RL     | MDL    | Dilution       | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters       |        |                            |        |        |                |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | 0,565  | mg/L                       | 0.0100 | 0.0022 | 2              | W611071 | MAD     | 03/09/16 12:37 | D2    |
| EPA 335.4        | Cyanide (total)       | 97.8   | mg/L                       | 5.00   | 2,20   | 500            | W610188 | MAD     | 03/08/16 11:30 | D2    |
| SM 4500-CN-I     | Cyanide (WAD)         | 1.58   | mg/L                       | 0.100  | 0.0260 | 10             | W610187 | MAD     | 03/08/16 13:10 | D2    |
| Anions by Ion C. | hromatography         |        |                            |        |        |                |         |         |                |       |
| EPA 300.0        | Fluoride              | 52.8   | mg/L                       | 5.00   | 2.05   | 50             | W611061 | DT      | 03/14/16 21:24 | D2    |

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-1B

SVL Sample ID: W6C0012-06 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 11:09 Received: 01-Mar-16

|                  | o la sample and to to to to the same states, |        |       |        |        | 1 age 1 01 1 | Sampled By: AC |         |                |       |
|------------------|--|--------|-------|--------|--------|--------------|----------------|---------|----------------|-------|
| Method           | Analyte                                      | Result | Units | RL     | MDL    | Dilution     | Batch          | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters                              |        |       |        |        |              |                |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6                        | 0.0170 | mg/L  | 0.0100 | 0,0011 |              | W611071        | MAD     | 03/09/16 12:04 |       |
| EPA 335.4        | Cyanide (total)                              | 0.197  | mg/L  | 0.0100 | 0,0044 |              | W610188        | MAD     | 03/08/16 11:38 |       |
| SM 4500-CN-I     | Cyanide (WAD)                                | 0.0210 | mg/L  | 0.0100 | 0.0026 |              | W610187        | MAD     | 03/08/16 13:12 |       |
| Anions by Ion C  | hromatography                                |        |       |        |        |              |                |         |                |       |
| EPA 300.0        | Fluoride                                     | 0.670  | mg/L  | 0.100  | 0.041  |              | W611061        | DT      | 03/14/16 22:11 |       |

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815

Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-2B

SVL Sample ID: W6C0012-07 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 10:33 Received: 01-Mar-16

Sampled By: AC

| Method           | Analyte               | Result   | Units | RL     | MDL    | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------|-----------------------|----------|-------|--------|--------|----------|---------|---------|----------------|-------|
| Classical Chemis | try Parameters        |          |       |        |        |          |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | < 0.0100 | mg/L  | 0.0100 | 0.0011 |          | W611071 | MAD     | 03/09/16 12:12 |       |
| EPA 335.4        | Cyanide (total)       | 0.0680   | mg/L  | 0.0100 | 0.0044 |          | W610188 | MAD     | 03/08/16 11:40 |       |
| SM 4500-CN-I     | Cyanide (WAD)         | 0.0120   | mg/L  | 0.0100 | 0.0026 |          | W610187 | MAD     | 03/08/16 13:14 |       |
| Anions by Ion Cl | hromatography         |          |       |        |        |          |         |         |                |       |
| EPA 300.0        | Fluoride              | 0,452    | mg/L  | 0.100  | 0.041  |          | W611061 | DT      | 03/14/16 22:43 |       |
|                  |                       |          |       |        |        |          |         |         |                |       |

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-3B

SVL Sample ID: W6C0012-08 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 12:25 Received: 01-Mar-16

Sampled By: AC

|                  |                       |        |       |        | inpic report | Tuge I of I |         | Sampled By: AC |                |       |  |
|------------------|-----------------------|--------|-------|--------|--------------|-------------|---------|----------------|----------------|-------|--|
| Method           | Analyte               | Result | Units | RL     | MDL          | Dilution    | Batch   | Analyst        | Analyzed       | Notes |  |
| Classical Chemis | stry Parameters       |        |       |        |              |             |         |                |                |       |  |
| ASTM D7237       | Cyanide (free) @ pH 6 | 1,59   | mg/L  | 0.0500 | 0.0110       | 10          | W611071 | MAD            | 03/09/16 12:14 | D2    |  |
| EPA 335.4        | Cyanide (total)       | 60.7   | mg/L  | 5.00   | 2.20         | 500         | W610188 | MAD            | 03/08/16 11:42 | D2    |  |
| SM 4500-CN-I     | Cyanide (WAD)         | 2,05   | mg/L  | 0.100  | 0.0260       | 10          | W610187 | MAD            | 03/08/16 13:22 | D2    |  |
| Anions by Ion C  | hromatography         |        |       |        |              |             |         |                |                |       |  |
| EPA 300.0        | Fluoride              | 30.0   | mg/L  | 2.50   | 1.02         | 25          | W611061 | DT             | 03/14/16 22:59 | D2    |  |
|                  |                       |        |       |        |              |             |         |                |                |       |  |

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Berly Gray



EPA 300.0

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Kellogg ID 83837-0929

mg/L

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10

W611061

Fax (208) 783-0891

Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815

Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-4B

Fluoride

0.410

Sampled: 29-Feb-16 11:43 Received: 01-Mar-16

03/14/16 23:15

D2

|                | SVL Sample ID: W6C0012-09 (Ground Water) |        |       |        | Sample Report Page 1 of 1 |          |         |         | Sampled By: AC |       |  |
|----------------|--|--------|-------|--------|---------------------------|----------|---------|---------|----------------|-------|--|
| Method         | Analyte                                  | Result | Units | RL     | MDL                       | Dilution | Batch   | Analyst | Analyzed       | Notes |  |
| Classical Chen | nistry Parameters                        |        |       |        |                           |          |         |         |                |       |  |
| ASTM D7237     | Cyanide (free) @ pH 6                    | 1,15   | mg/L  | 0.0500 | 0.0110                    | 10       | W611071 | MAD     | 03/09/16 12:39 | D2    |  |
| EPA 335.4      | Cyanide (total)                          | 29.3   | mg/L  | 5.00   | 2.20                      | 500      | W610188 | MAD     | 03/08/16 11:44 | D2    |  |
| SM 4500-CN-I   | Cyanide (WAD)                            | 1,28   | mg/L  | 0.100  | 0.0260                    | 10       | W610187 | MAD     | 03/08/16 13:24 | D2    |  |

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15.5

Anions by Ion Chromatography



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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815

Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-5B

Sampled: 29-Feb-16 09:49 Received: 01-Mar-16

| Neceiveu.  | 0.1-101 |
|------------|---------|
| Sampled By | AC      |

|                | SVL Sample ID: W6C0012-10 (Ground Water) |        |       |        | Sample Report Page 1 of 1 |          |         | Rec<br>Sampl |                |       |
|----------------|--|--------|-------|--------|---------------------------|----------|---------|--------------|----------------|-------|
| Method         | Analyte                                  | Result | Units | RL     | MDL                       | Dilution | Batch   | Analyst      | Analyzed       | Notes |
| Classical Cher | mistry Parameters                        |        |       |        |                           |          |         |              |                |       |
| ASTM D7237     | Cyanide (free) @ pH 6                    | 0.0120 | mg/L  | 0.0100 | 0,0011                    |          | W611071 | MAD          | 03/09/16 12:18 |       |
| EPA 335.4      | Cyanide (total)                          | 0.132  | mg/L  | 0.0100 | 0.0044                    |          | W610188 | MAD          | 03/08/16 11:46 |       |
| SM 4500-CN-I   | Cyanide (WAD)                            | 0.0170 | mg/L  | 0.0100 | 0.0026                    |          | W610187 | MAD          | 03/08/16 13:26 |       |
| Anions by Ion  | Chromatography                           |        |       |        |                           |          |         |              |                |       |
| EPA 300.0      | Fluoride                                 | 0,134  | mg/L  | 0.100  | 0.041                     |          | W611061 | DT           | 03/14/16 23:30 |       |
|                |  |        |       |        |                           |          |         |              |                |       |

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: **W6C0012**Reported: 15-Mar-16 11:40

| Quality Control - BLANK Data |                          |       |          |        |        |          |           |       |  |  |
|------------------------------|--------------------------|-------|----------|--------|--------|----------|-----------|-------|--|--|
| Method                       | Analyte                  | Units | Result   | MDL    | MRL    | Batch ID | Analyzed  | Notes |  |  |
| Classical Chemis             | try Parameters           |       |          |        |        |          |           |       |  |  |
| ASTM D7237                   | Cyanide (free) @ pH<br>6 | mg/L  | < 0.0100 | 0.0011 | 0.0100 | W611071  | 09-Mar-16 |       |  |  |
| EPA 335,4                    | Cyanide (total)          | mg/L  | < 0.0100 | 0.0044 | 0.0100 | W610188  | 08-Mar-16 |       |  |  |
| SM 4500-CN-I                 | Cyanide (WAD)            | mg/L  | <0.0100  | 0.0026 | 0.0100 | W610187  | 08-Mar-16 |       |  |  |
| Anions by Ion Ch             | romatography             |       |          |        |        |          |           |       |  |  |
| EPA 300.0                    | Fluoride                 | mg/L  | < 0.100  | 0.041  | 0.100  | W611061  | 14-Mar-16 |       |  |  |

| Quality Control - LABORATORY CONTROL SAMPLE Data |                          |       |               |             |           |                      |          |           |       |  |
|--|--------------------------|-------|---------------|-------------|-----------|----------------------|----------|-----------|-------|--|
| Method   | Analyte                  | Units | LCS<br>Result | LCS<br>True | %<br>Rec. | Acceptance<br>Limits | Batch ID | Analyzed  | Notes |  |
| Classical Chemistry Parameters                   |                          |       |               |             |           |                      |          |           |       |  |
| ASTM D7237                                       | Cyanide (free) @ pH<br>6 | mg/L  | 0.152         | 0.150       | 101       | 90 - 110             | W611071  | 09-Mar-16 |       |  |
| EPA 335.4  | Cyanide (total)          | mg/L  | 0.141         | 0.150       | 94.0      | 90 - 110             | W610188  | 08-Mar-16 |       |  |
| SM 4500-CN-I                                     | Cyanide (WAD)            | mg/L  | 0.139         | 0.150       | 92.7      | 90 - 110             | W610187  | 08-Mar-16 |       |  |
| Anions by Ion Chromatography                     |                          |       |               |             |           |                      |          |           |       |  |
| EPA 300,0  | Fluoride                 | mg/L  | 1.95          | 2.00        | 97.4      | 90 - 110             | W611061  | 14-Mar-16 |       |  |

| I - MATRIX SPIKE Da                           | ıta   |                                     |   |                |  |  |                      |           |           |  |
|---|---|-------------------------------------|---|----------------|--|--|----------------------|-----------|-----------|--|
| Analyte                                       | Units   | Spike<br>Result                     | Sample<br>Result (R)  |                |  | %<br>Rec.  | Acceptance<br>Limits | Batch ID  | Analyzed  | Notes  |
| stry Parameters                               |   |                                     |   |                |  |  |                      |           |           |  |
| Cyanide (free) @ pH<br>6                      | mg/L  | 0.444                               | 0.332   | 0.100          | 1  | 112  | 79 - 121             | W611071   | 09-Mar-16 |  |
| Cyanide (total)                               | mg/L  | 46.1                                | 45.0  | 0.100          | I  | R > 4S   | 90 - 110             | W610188   | 08-Mar-16 | D2,M3  |
| Cyanide (total)                               | mg/L  | 0.0950                              | < 0.0100  | 0.100          | 1  | 95.0   | 90 - 110             | W610188   | 08-Mar-16 |  |
| Cyanide (WAD)                                 | mg/L  | 0.290                               | 0.201   | 0.100          |  | 89.0   | 75 - 125             | W610187   | 08-Mar-16 |  |
| hromatography                                 |   |                                     |   |                |  |  |                      |           |           |  |
| Fluoride                                      | mg/L  | 2.00                                | < 0.100   | 2.00           |  | 95.6   | 90 - 110             | W611061   | 14-Mar-16 |  |
| Fluoride                                      | mg/L  | 2.63                                | 0.670   | 2.00           |  | 98.2   | 90 - 110             | W611061   | 14-Mar-16 |  |
| Quality Control - MATRIX SPIKE DUPLICATE Data |   |                                     |   |                |  |  |                      |           |           |  |
| Analyte                                       | Units   | MSD<br>Result                       | Spike<br>Result   | Spike<br>Level | %R   | RPD  | RPD<br>Limit         | Batch ID  | Analyzed  | Notes  |
| istry Parameters                              |   |                                     |   |                |  |  |                      |           |           |  |
| Cyanide (free) @ pH                           | mg/L  | 0.441                               | 0.444   | 0.100          | 109  | 0.7  | 20                   | W611071   | 09-Mar-16 |  |
| •   | mg/L  | 45.5                                | 46-1  | 0.100          | R > 4S   | 1.2  | 20                   | W610188   | 08-Mar-16 | D2,M3  |
| Cyanide (WAD)                                 | mg/L  | 0.289                               | 0.290   | 0.100          | 88.0   | 0.3  | 20                   | W610187   | 08-Mar-16 |  |
| Anions by Ion Chromatography                  |   |                                     |   |                |  |  |                      |           |           |  |
| Fluoride                                      | nig/L   | 2.01                                | 2.00  |                |  |  |                      | 337611061 | 1434 16   |  |
|   | Analyte  stry Parameters Cyanide (free) @ pH 6 Cyanide (total) Cyanide (total) Cyanide (WAD)  hromatography Fluoride Fluoride I - MATRIX SPIKE DI Analyte  istry Parameters Cyanide (free) @ pH 6 Cyanide (total) Cyanide (WAD)  Chromatography | stry Parameters Cyanide (free) @ pH | No.   No. | Name           | Spike   Sample   Spike   Result   Res | Spike   Result   Re | Name                 | Name      | Analyte   | Analyte   Units   Spike   Result   Result   Result   Spike   Spike   Level (S)   Rec.   Limits   Batch ID   Analyzed |



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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: **W6C0012**Reported: 15-Mar-16 11:40

## **Notes and Definitions**

D2 Sample required dilution due to high concentration of target analyte.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was

acceptable.

LCS Laboratory Control Sample (Blank Spike)

RPD Relative Percent Difference

UDL A result is less than the detection limit

R > 4S % recovery not applicable, sample concentration more than four times greater than spike level

<RL A result is less than the reporting limit

MRL Method Reporting Limit

MDL Method Detection Limit

N/A Not Applicable

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2736 White Pines Drive Coeur d'Alene ID 83815 (208) 660-8548 Fax: (208) 765-5286 www.hydrometrics.com

March 17, 2016

VIA EMAIL

Mr. Daniel J. Silver, Custodial Trustee Mead Custodial Trust 606 Columbia Street NW, Ste. 212 Olympia, WA 98501

Subject:

Right Control

Kaiser Mead NPL Site - Submittal of Letter Report for 1st Quarter 2016

**Groundwater Monitoring Activities** 

Dear Mr. Silver:

This letter report documents the monitoring activity as stipulated in the Consent Decree dated October 7, 2004 between Kaiser Aluminum and Chemical Corporation, the U.S. Environmental Protection Agency, the Washington State Department of Ecology, and AIG Insurance Company. The requirement for groundwater monitoring activity is identified in the Remedial Action Plan (Exhibit A to the Scope of Work) as Task 2 Groundwater Monitoring Program. The following paragraphs describe the groundwater monitoring activities conducted by Hydrometrics, Inc. (Hydrometrics) for the 1st Quarter of 2016.

By letter dated November 1, 2006 the Washington Department of Ecology approved the discontinuance of monitoring for fluoride and cyanide in the A-zone for the following wells, KMCP-1, KMCP-2, KMCP-3, KMCP-4 and KMCP-5. The weather during sampling was cool and dry (temperatures in the forties).

Prior to each sampling event, the field equipment was calibrated using standard buffers and conductivity solutions. The equipment used for measuring field parameters was an Oakton multiparameter-meter.

All wells targeted for sampling are outfitted with dedicated bladder pumps. The pumps are operated with an oil-less air compressor powered by a portable gas-powered generator. Samples were collected using low-flow methods. Well KM-4 was sampled with a disposable bailer.

pH, conductivity, and temperature were monitored during purging and a sample was collected when parameters appeared to stabilize.

Pre cleaned sample bottles were obtained from the analytical laboratory, SVL Analytical (SVL). The Total, free and weak acid dissociable (WAD) Cyanide bottles were 250 milliliter (ml) polyethylene with sodium hydroxide (NaOH) added as a preservative following sample collection. The Fluoride sample bottles were 250 ml and contained no preservative. Following sampling, the labels were attached and the bottles were placed into the SVL coolers.

Once all samples had been obtained, the Chain of Custody form was completed and the sample bottles were secured in the cooler with ice packs. The samples were delivered by hand to the laboratory.

One (1) well reported results outside of its historic range. The total fluoride result for KM-2 was reported as a new low. All other results reported for all wells were within their respective historic ranges.

All QC tests (for all parameters) were within acceptable guidelines, except for one matrix spike recovery and one matrix recovery for the spike duplicate for total CN were slightly above guidelines and one matrix spike recovery and one matrix recovery for the spike duplicate for total WAD CN were below guidelines.

The field measurements and the laboratory analyses are summarized in the following tables. Field sampling logs, the Chain of Custody forms, and the laboratory data package follow.

Sincerely, HYDROMETRICS, INC.

Antonio Chavez, P.E. Senior Engineer

Encl.

## Kaiser Mead NPL Groundwater Monitoring

| Particle   | The state of the s |                     |                 |   | -                          |                      |            | -                          |                         |              | X-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1  |  |                            |
|---|--|---------------------|-----------------|---|----------------------------|----------------------|------------|----------------------------|-------------------------|--------------|--|--|----------------------------|
| March   A   1,500   1,614   1,14     | Descriptive Name<br>Well 1D  | Sample<br>Formation | Date<br>Sampled |   | Top of PVC<br>Casing Elev. | Groundwater<br>Elev. | Std Units) | Conductivity<br>(umhos/cm) | Temperature<br>(Deg. C) | Total CN     | WAD CN   | Free CN  | ır (jour                   |
| 1,000,000   1,000,000,000   1,000,000     | IKM-1  | ¥                   | 3/5/2015        |   | 20 0861                    | 1784.78              | 8.8        | 77/                        |                         | 2/2/         | The second secon | No. of Concession, Name of Street, or other party of the last of t | T. Control                 |
| No.   |  |                     | 4/8/2015        |   | 1930,02                    | 1784.85              | 6          | 7.030                      | - ac                    | 45.6         | 0.502  | 22.0   | 120                        |
| Color   |  |                     | 7/8/2015        |   | 1930.02                    | 1785.22              | 10.2       | 9,410                      | 18.2                    | 58.3         | 3.470  | 1960   | 888                        |
| Columb  |  |                     | 107/2015        |   | 1930.02                    | 1784.57              | ę          | 340                        | 12.8                    | 512          | 0.175  | 0.168  | 78.2                       |
| Control   Cont  | HCM-2  | ۵                   | 3/5/2015        |   | 1000 93                    | 1796.72              | 000        | 025                        | 3 5                     | 45.0         | 9650   | 0.332  | 73.6                       |
| March   Marc  | 1  |                     | 47/2015         | -                                       | 1020 23                    | 1785.91              | 2,65       | 4,070                      | 3.5                     | × 5          | S. 5   | 222  | 40,5                       |
| March   Marc  |  |                     | 7/7/2015        | -                                       | 1929 22                    | 1785                 | 7 -        | 350                        | 4 H                     | 3 5          | 25.1   | 7.80   | 42.9                       |
| Chief   A   25/20/216   154,13   196,22   1785/1   20   10   11   11   11   11   11   1   |  |                     | 10777015        | 143.80                                  | 1020 23                    | 1705.12              | -<br>-     | 1,300                      | 0.00                    | òÌ           | \$ 10°   | 4.35<br>50   | 35.7                       |
| March   A   207015   154.75   1544.24   1788.25   7.36   7.05   114.00   4.01700   4  |  |                     | 2/29/2016       |   | 1929.23                    | 1785.10              | 20.5       | 5.170                      | 22.0                    | 7.2          | 4.87   | 1.0.87   | . 58<br>- 1                |
| March   Marc  | KM-3   | Ą                   | 3/5/2015        |   | 1944.34                    | 1789.21              | 7.80       | 619                        | 10.90                   | < 0.0100     | < 0.0100   | 00000  | 2.5                        |
| 1,002,015   15,45     |  |                     | 4/7/2015        |   | 1944.34                    | 1789.58              | 7,90       | 203                        | 180                     | , c.0100     | 00:00  | 00000  | , c                        |
| A 26/2016   16-54   19-24   1786.4   18-10   16-54   16-54   18-54    |  |                     | 7/7/2015        |   | 1944.34                    | 1789.64              | 7.30       | 202                        | 2.5                     | 8100 >       | 00:00  | 00000  | 0.10                       |
| A 2020715  145.28   195.51   1772-19   2.50   772   114.0   0.01010   0.00100   0.00  |  |                     | 10/2/2015       |   | 1944.34                    | 1788.51              | 200        | 3 6                        | 8 4                     | 200          | 00000  | 200  | 0,200                      |
| A 950015   14.50   1925.19   1778.19   8.0   700   10.40   0.01100   0.011  |  |                     | 2/29/2016       |   | 1944.34                    | 1788.43              | 7.90       | 702                        | 11.40                   | 0.0100       | 00100  | v v  | 90.00                      |
| 1,000,001   1,00  | KM-4   | 4                   | 3/6/2015        |   | 1925,19                    | 1778.19              | 8.0        | 700                        | 10.40                   | < 0.0100     | < 0.0100   | 0.0100 ×   | 0.147                      |
| 1,00,2016   1,42,56   |  |                     | 4/8/2015        |   | 1925.19                    | 1778.21              | 83         | 206                        | 10.40                   | 0.0110       | A 0.0100   | × 0.0100   | A 0.100                    |
| 10822015   147.24   1925.59   1777.58   8.2   712   17.20   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.00100   < 0.  |  |                     | 7/8/2015        |   | 1925.19                    | 1778.38              | 8.3        | 724                        | 13,70                   | 0.0100       | 0.0100   | 0.0100   | 00.00 ×                    |
| A 35/2016   14,527   1925.59   1772.89   10.00   5.600   11,10   < 0.0100   < 0.01100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   < 0.0100   |  |                     | 10/6/2015       |   | 1925.19                    | 1778.16              | 8.2        | 712                        | 12.20                   | > 0.0100     | < 0.0100   | × 0,0100   | < 0.100                    |
| A 352015   145,05   197,58   1722,58   10,00   5,600   11,7   31,2   1,500   1,000    |  |                     | 3/2/2016        |   | 1925.19                    | 1777.98              | 8.2        | 701                        | 11.10                   | < 0.0100     | < 0.0100   | o0100 >  | × 0.100                    |
| 14,000   14,500   1  | KM-5   | ¥                   | 3/5/2015        |   | 1927,63                    | 1782,58              | 10.00      | 5,660                      | 10.7                    | 81.2         | 0.516  | 0.760  | 53.5                       |
| 10/12/2015   144.75   1927.65   1782.88   10.10   5.680   14.4   6.42   6.42   6.250   0.352     2229/2016   14.55   1927.65   1782.89   10.10   6.620   12.4   6.857   10.00     4.71/2015   138.40   1922.99   1782.80   10.11   5.590   11.2   6.85   10.00     5.620   10.12   10.10   5.680   10.10   0.402   0.402     6.620   10.12   10.2   10.2   10.2   10.2     6.620   10.12   10.2   10.2   10.2   10.2     7.71/2015   138.40   1922.99   1782.81   10.11   5.500   11.2   98.5   1.360     7.71/2015   138.80   1922.99   1782.81   10.11   5.600   10.1   97.8   1.380     7.71/2015   138.80   1922.99   1782.81   10.11   5.600   10.1   97.8     7.71/2015   15.600   1922.99   1782.81   10.10   5.600   10.1   97.8     7.71/2015   15.600   1921.99   1771.20   1.2   1.2   1.2   1.2     7.71/2015   15.600   1921.99   1771.20   1.2   1.2   1.2   1.2     7.71/2015   15.600   1924.90   1771.20   1.2   1.2   1.2   1.2     7.71/2015   15.600   1924.40   1771.20   1.2   1.2   1.2   1.2     7.71/2015   15.600   1924.40   1777.41   8.10   4.65   11.40   0.249   0.0040     7.71/2015   16.200   1924.40   1777.41   8.10   4.62   11.40   0.249   0.0040     7.71/2015   16.200   1924.40   1777.41   1.2   1.2   1.2   1.2   1.2   1.2     7.71/2015   16.200   1924.40   1777.41   8.10   4.62   11.40   0.249   0.0040     7.71/2015   16.200   1924.40   1777.41   1.2   1.2   1.2   1.2   1.2   1.2   1.2     7.71/2015   16.200   1924.40   1777.41   8.10   4.62   11.40   0.249   0.0040     7.71/2015   16.200   1924.40   1777.41   8.10   4.62   11.40   0.249   0.0040     7.71/2015   16.200   1924.40   1777.41   1.2     |  |                     | 4/8/2015        |   | 1927.63                    | 1782.58              | 10.30      | 2,600                      | 11.1                    | 78.1         | 1200   | 1,410  | 58.9                       |
| 1,000,001   1,45,50   1,92,543   1,722,143   1,01,10   5,880   12,4   89,3   0,402   0,932   0,402   0,503   0,402   0,503   0,402   0,503   0,403    |  |                     | 7/8/2015        |   | 1927.63                    | 1782,88              | 10.40      | 4,260                      | 14.9                    | 2,2          | 5.270  | 2,350  | 35.7                       |
| A   \$\frac{5\infty}{2\infty} = \frac{1}{182.5}   \frac{1}{182.5} |  |                     | 10/7/2015       |   | 1927.63                    | 1782.43              | 10.10      | 5,680                      | 12.4                    | 89.3         | 0.402  | 0.392  | 50.1                       |
| A 772/15   1934   1922-99   1783-18   10,1   5,700   10,2   10,2   10,2   1360   1,11   |  |                     | 2/29/2016       | *************************************** | 1927.63                    | 1782.12              | 10.20      | 6,320                      | 10.6                    | 83.7         | 1.020  | 0.490  | 59.7                       |
| Trigorie   1981   1982   1764.08   10.1   5,500   172   5,500   12.5   1.11   | 9  | ∢                   | 3/5/2013        |   | 1922.99                    | 1/83.69              | 8.6        | 5,750                      | 10.2                    | 102          | 0.510  | 0.795  | 66.3                       |
| 107/2015   1994   1925   192  |  |                     | 7777015         |   | 1022 00                    | 787.00               |            | 0000                       | 77,0                    | 20.00        | 1.360  | Ξ.   | 0.89                       |
| Septical S  |  |                     | 107/2015        |   | 1922 99                    | 1783 57              | 2.5        | , v                        | 9 6                     | 20.7         | 0/80   | 27290  | 68.7                       |
| Sincors   Sinc  |  |                     | 2/29/2016       |   | 1922.99                    | 1783.11              | 10.0       | 5,050                      | 10.7                    | 2.76<br>8.76 | 1.580  | 1990   | 7<br>2<br>2<br>3<br>3<br>4 |
| A   77/2015   150.43   1921.86   1771.63  | KM-7   | 8                   | 3/6/2015        |   | 1921.96                    |                      |            |                            |                         |              | -  |  |                            |
| 10772015   150.68   1921.86   1771.28   |  |                     | 4/7/2015        |   | 1921.96                    | 1771.63              | ,          | 3                          | 1                       | ı            | . 1  |  |                            |
| 107/2015   150.43   1921.96   1771.53   — — — — — — — — — — — — — — — — — —   |  |                     | 7/7/2015        |   | 1921.96                    | 1771.28              | ,          | 1                          | ,                       | E            | 1  |  | •                          |
| A         22282016         156.56         1921.86         1770.42         — <td></td> <td></td> <td>10/7/2015</td> <td>•</td> <td>1921.96</td> <td>1771.53</td> <td></td> <td>ı</td> <td>i</td> <td></td> <td>1</td> <td></td> <td>1</td>   |  |                     | 10/7/2015       | •                                       | 1921.96                    | 1771.53              |            | ı                          | i                       |              | 1  |  | 1                          |
| A         3/5/2015         156.65         1934.43         1777.78         — <td></td> <td></td> <td>2/29/2016</td> <td></td> <td>1921.96</td> <td>1770.42</td> <td></td> <td>ļ</td> <td>1</td> <td></td> <td>1</td> <td></td> <td>1</td>  |  |                     | 2/29/2016       |   | 1921.96                    | 1770.42              |            | ļ                          | 1                       |              | 1  |  | 1                          |
| Trizons   Triz  | KMCP-1A  | ∢                   | 3/5/2015        | 156.65                                  | 1934.43                    | 17777                |            | ı                          | ı                       | ,            |  |  | F                          |
| 105/2015   156-54   1934-43   1777-56   |  |                     | 4/7/2015        | 136.48                                  | 1934-43                    | 377.35               | 1          | ł                          | 1                       |              | ı  |  | •                          |
| 10052015   150.87   1934.43   1777.41   |  |                     | \$102////       |   | 1934,43                    | 10.8//               | ı          | 1                          | ŧ                       |              | ı  |  | 1                          |
| KMCP-1B         B         35/2015         1934.43         1771.14         8.10         436         10.40         0.268         0.0390         0.0370           CATZ015         162.81         1934.43         1771.14         8.30         492         11.40         0.268         0.0490         0.0310           A772015         162.81         163.43         1770.53         8.20         502         11.80         0.176         0.0370         0.0310           A772015         164.64         1934.43         1770.53         8.20         502         11.80         0.176         0.0770         0.0370   |  |                     | 2000000         |   | 1934.43                    | 95.//1               | 1          | ı                          | 1                       | ı            | 1  |  | 1                          |
| Marcol   1902   1904   1904   1904   1905   1904   1905   | KMCP-1B  | ٥                   | 3/5/2010        |   | 200,400                    | 1777                 | 3,3        |                            |                         |              |  |  | 1                          |
| Titlogical Control C  |  | ,                   | 477045          |   | 1004.40                    | 3 5                  | 2 6        | D 0                        | 04.01                   | 0.268        | 0.0390   | 0.0370   | 0.558                      |
| 106/2015   164.64   1934.43   1763.73   8.40   526   13.00   0.137   0.0370   0.0389   0.0370   0.0389   0.0370   0.03  |  |                     | 7/7/2015        |   | 1034.42                    | 77.1.02              | 2000       | 287                        | ¥ 5                     | 0.249        | 0.0440   | 0.0310   | 0,712                      |
| A         35/2016         164.06         1934.43         1770.43         8.10         508         10.00         0.197         0.00570         0.00570           A         35/2015         130.27         1926.70         1796.43         -  |  |                     | 10/6/2015       |   | 1924.43                    | 07.0371              | 0.40       | 200                        | 2 50                    | 0.176        | 0.0770   | 0650.0   | 0,623                      |
| A 3552015 130.27 1326.70 1796.43  |  |                     | 2/29/2016       |   | 1934.43                    | 1770 43              | 8.10       | 208                        | 20.50                   | 0.197        | 0,03/0   | 0.710.0  | 0,523                      |
| 130,23 1956,70 130,23 1956,70 130,23 1956,70 130,31 130,50,70 130,38  | KMCP-2A  | ا<br>۲              | 3/5/2015        |   | 1926.70                    | 1796.43              | _          | ***                        | 1                       | -            |  | -  |                            |
| 130.26 1926,70<br>130.31 1926,70<br>130.38 1926,70  |  |                     | 4/7/2015        |   | 1926.70                    | 1796,47              | ,          | ł                          | 1                       |              | ,  |  |                            |
| 130.31 1926.70<br>130.38 1926.70  |  |                     | 7/7/2015        |   | 1926.70                    | 1796.44              | ł          | ı                          | ı                       | ŧ            | 1  |  | : 1                        |
| 130.38 1926.70  |  |                     | 10/6/2015       |   | 1926.70                    | 1796.39              | I          | ,                          | 1                       | 1            | ,  |  |                            |
|   |  |                     | 2/29/2016       |   | 1926.70                    | 1796.32              | •          | 1                          | ,                       | ı            | ,  |  | •                          |

## Kaiser Mead NPL Groundwater Monitoring

| Octobrio Monte | Comple    | į         | Donath to Misson (food | Ton of DV/   | Groundwater | 770         | , 100 Per | Tomporature | Hotel Offi | 1400     |          | u          |
|----------------|-----------|-----------|------------------------|--------------|-------------|-------------|---|-------------|------------|----------|----------|------------|
| Well ID        | Formation | Sampled   | btoc)                  | Casing Elev. | Elev.       | (Std Units) | (umhos/cm)                                    | (Deg. C)    | (mg/L)     | (mg/L)   | (mg/L)   | (mg/L)     |
| → KMCP-28      | 8         | 3/5/2015  |                        | 1926,25      | 1769,02     | 8.1         | 393   | 10.4        | 0,0260     | < 0.0100 | < 0.0100 | 0,245      |
|                |           | 4/7/2015  | 156.82                 | 1926,25      | 1769,43     | 8.3         | 391   | 71.5        | 0.0250     | < 0.0100 | < 0.0100 | 0.311      |
|                |           | 7/7/2015  |                        | 1926.25      | 1769.43     | 8,2         | 397   | 15,7        | 0.0160     | 0,0110   | 0.0100   | 0,219      |
|                |           | 10/6/2015 |                        | 1926.25      | 1767.97     | 8.5         | 472   | 13.3        | 0.1690     | 0.0410   | 0.0330   | 0.417      |
|                |           | 2/29/2016 |                        | 1926.25      | 1768.33     | 8.3         | 412   | 6.6         | 0.0680     | 0.0120   | × 0.0100 | 0.452      |
| KMCP-3A        | ٧         | 3/5/2015  |                        | 1918,61      | 1812.08     | ı           | ı   | 1           | 1          | ī        |          | j          |
|                |           | 4/7/2015  |                        | 1918,61      | 1812.08     | 1           | ,   | ı           | 1          | ;        |          | ı          |
|                |           | 7/7/2015  |                        | 1918.61      | 1812.24     | ı           | ı   | ı           | ı          | 1        |          | 1          |
|                |           | 10/6/2015 |                        | 1918.61      | 1812.33     | ;           | 1   | ı           | 1          | 1        |          | ;          |
|                |           | 2/29/2016 |                        | 1918.61      | 1812.13     | 1           | -   | 1           | -          | -        |          | -          |
| KMCP-3B        | 8         | 3/5/2015  |                        | 1919.07      | 1768.15     | 8.6         | 3,620   | 11.9        | 61.9       | 2.00     | 2,10     | 33.8       |
|                |           | 4/7/2015  |                        | 1919.07      | 1768.53     | 10.1        | 3,530   | 12.4        | 649        | 3.70     | 2.51     | 33.9       |
|                |           | 7/7/2015  |                        | 1919,07      | 1768,60     | 10.2        | 3,490   | 16.1        | 64.5       | 8,42     | 25.4     | 27.9       |
|                |           | 10/6/2015 |                        | 1919.07      | 1767.20     | 10.1        | 3,590   | 13.6        | 67.9       | 1.60     | 1.76     | 282        |
|                |           | 2/29/2016 |                        | 1919.07      | 1767,48     | 10.0        | 3,590   | 11.5        | 60.7       | 2.05     | 1.59     | 30.0       |
| KMCP-4A        | ∢         | 3/5/2015  |                        | 1912,51      | 1813,23     |             | ,   | ,           | ,          | -        |          | -          |
|                |           | 4/7/2015  |                        | 1912.51      | 1813.22     | 1           | ì   | 1           | ,          | ı        |          |            |
|                |           | 7/7/2015  |                        | 1912.51      | 1813.24     | 1           | ı   | ı           | ,          | ,        |          | 1          |
|                |           | 10/7/2015 |                        | 1912.51      | 1813.32     | ,           | 1   | ,           | •          | ,        |          | ı          |
|                |           | 2/29/2016 |                        | 1912,51      | 1813.20     | 1           | -   | í           | i          |          |          |            |
| KMCP-48        | B         | 3/5/2015  |                        | 1912,52      | 1766.62     | 9:00        | 1,891   | 10.8        | 26.9       | 1.52     | 1.27     | 15.4       |
|                |           | 4/7/2015  |                        | 1912.52      | 1766,99     | 9.30        | 1,957   | 10.8 ·      | 27.2       | 0.98     | 57.0     | 18.9       |
|                |           | 7/7/2015  |                        | 1912.52      | 1767.10     | 9.30        | 1,885   | 15.6        | 25.0       | 4.83     | 3.06     | 15.2       |
|                |           | 10/7/2015 | 146.82                 | 1912,52      | 1765.70     | 9.20        | 1,779   | 11,8        | 33.2       | 0.566    | 0.499    | 14.8       |
|                |           | 2/28/2016 |                        | 1912,52      | 1765.93     | 9.20        | 7,916   | 11.3        | 29.3       | 1.280    | 3.150    | 15.5       |
| KMCP-5A        | 4         | 3/5/2015  |                        | 1908.89      | 1814.01     |             | 1   | 1           | ,          |          |          | 1          |
|                |           | 4/7/2015  |                        | 1908.89      | 1813.99     |             | •   | 1           | •          |          |          | ,          |
|                |           | 7/7/2015  |                        | 1908.89      | 1813.98     | 3           | 1   | F           | ,          | 1        |          | •          |
|                |           | 10/6/2015 |                        | 1908.89      | 1813.98     | ı           | i   | ı           | ı          | 1        |          | 1          |
|                |           | 2/29/2016 |                        | 1908.89      | 1813.92     |             | L   | Į           | ı          | j        |          | 1          |
| KMCP-5B        | 8         | 3/5/2015  |                        | 1908.80      | 1766.19     | 8.1         | 464   | 8.8         | 0.0580     | < 0.0100 | > 0.0100 | < 0.100    |
|                |           | 4/7/2015  |                        | 1908.80      | 1766.53     | 8.3         | \$2   | 10,4        | 0.1960     | 0.0250   | 0.0150   | 0.207      |
| ****           |           | 7/7/2015  |                        | 1908.80      | 17,98,71    | 8.2         | 456   | 16.1        | 0.0550     | 0.0230   | 0.0230   | 0,146      |
|                |           | 10/6/2015 |                        | 1908.80      | 1765.47     | 8.6         | 407   | 113         | 0.0840     | 0.0230   | 0.0150   | 0.173<br>E |
|                |           | 2/29/2016 |                        | 1908.80      | 1/65.57     | 8.3         | 446   | 8.5         | 0.1320     | 0,710,0  | U21.070  | 9.1%       |

Notes:

\*\* chemical was not detected at or above the method reporting limit
\*CN = cyanide
\*CN = cyanide
\*E shuoride
\*E = fluoride
<li

| Pr                                      | oject Name:  | Kalser Mead   |  |                    |   | Designation:                             |  |  |
|---|--|---|--|--------------------|---|--|--|--|
|   |  | 9088.00, Phas   | se 002                                 |                    |   | ode Number:                              |  |  |
| Sample Team                             |  |   |  |                    | 9                                       | Sample Date:                             | ) - Z "i -   | 11   |
| Labo                                    | ratory Used:                                       | SVL Analytica   |  |                    | S                                       | ample Time:                              | 15-06  | (military)   |
|   |  |   |  |                    | For Gra                                 | oundwater Sa                             | mples  |  |
| if D                                    | uplicate Sam                                       | ple Collected   | <u>,</u>                               |                    | well volume                             | anni e e e e e e e e e e e e e e e e e e | ga ga panamanan kanaman kanaman kanaman kanaman kanaman da kanaman da kanaman kanaman kanaman kanaman kanaman k  | Comments   |
|   | Please Reco  | ord Below   | _                                      | 1                  | į                                       | V = (TD-SWL)x(0)                         | <u>Dia.²)</u> 25   | Continents   |
| Duplicate                               | Sample Code #:                                     | American School |  |                    | TD (ft):                                | 162.94                                   |  |  |
| Duplica                                 | te Sample Time:                                    |   |  |                    | SWL (ft):                               | 145-                                     | <u>. 81 </u>   |  |
|   |  |   |  |                    | <u>Dia</u> meter (I.D.")                |  |  |  |
|   | Site Con-  | ditions   |  | Water V            |   |  |  |  |
| New Site:                               | Yes (No)   | Photo taken:  | Yes (Ng)                               | Actual Vol         | x 3=(gal.)<br>Removed (gal.)            |  | <u> </u>   |  |
| Site Type:                              |  |   | process water                          |                    | Level Recovery:                         |  |  | '  |
| One Type.                               | and the second                                     | · · · · · · ·   | '                                      |                    |   |  | Day May and Danish and an again to have purely and an experience   |  |
| (                                       | monitoring w                                       | gelf domestic we  | ill adit seep                          |                    | FOLS                                    | Surface Wate                             | <u> Janipies</u>   | Boyes Constant of the Constant |
|   | spring-other:                                      |   |  | Flow Metho         | od: Marsh                               | McBirney Volu                            | metric Flume   | Weir Estimate  |
| Weathe                                  | er Conditions:                                     | calm Greez  | e windy                                | Other Flow         | or Description                          | າກ:                                      |  | 3.200.000  |
|   |  | no precip. rai  | n snow                                 |                    |   |  |  |  |
|   |  | clear p. cloudy   |  |                    | a establish sa ba                       | Breeze of a constraint                   |  | graditutalismi   |
| Air '                                   | Temperature:                                       | °C  | C/G °F                                 | Flow:              | gpm                                     | cfs                                      | Staff Gage:  |  |
|   |  |   | <u>Field Pa</u>                        | rameter Stat       | oilization                              |  |  |  |
|   | Oxidation  |   |  | S.C.               | Ourse Val                               | Temperature                              | Additional Para  |  |
| Time<br>(military)                      | Reduction<br>Potential (mV)                        | Dissolved<br>Oxygen (mg/l)  | рН                                     | 5.0.<br>(µmhos/cm) | Purge Vol.<br>(gai)                     | (°C)                                     | ı  | Votes  |
| /5/9                                    | Potential (IIIV)                                   | Oxygen (mg/l)   | 10,0                                   | 8990               | /, C                                    | 71.7                                     | 4-1100   | <i>J</i>   |
| 15-24                                   |  |   | 10.0                                   | 3890               | 0.5                                     | 11.8                                     | 211  |  |
| 15-27                                   | <del>- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1</del> |   | 10.0                                   | 833521             | 0.25                                    | 11.7                                     | (- / )   |  |
| 15-32                                   | -  |   | 10.0                                   | 7930               | 0.25                                    | 11.4                                     | ·  | *  |
| 1536                                    |  |   | 10.0                                   | 7630               | 0.25                                    | 11.3                                     | The second secon | \ \  |
| 1540                                    |  |   | 10.0                                   | 7500               | CP . C Som                              | 11.3                                     | V  | <i>(</i> .   |
|   |  |   |  |                    |   |  |  |  |
| Turbidity:                              | (clear )   | moderate  | Sa                                     | mple Method        |   | composite                                | 1  | baller other   |
| (circle)                                | slight   | very  |  | (describe)         | Low flow san                            | pling - dedicate                         | d bladder pump   | N <del>agara</del>   |
|   | Field P  | arameters -   |  |                    | <u>Bottle</u>                           | s Collected                              |  |  |
|   | Sample   | Duplicate   | Quantity                               | Size               | Filter or Unfilt.                       | Preservative                             | Parameter  | Additional Notes   |
| ORP (mV)                                |  |   | 1                                      | 250 ml             | For UF                                  | NaOH                                     | Total/WAD/Free   | : CN   |
| DO (mg/l)                               |  |   | 1                                      | 250 ml             | For UF                                  | Raw                                      | Fluoride   |  |
| рН                                      | 1010   | <b></b>   |  | m\                 | For UF                                  |  |  |  |
| SC (µmhos/cm)                           | 7500   |   |  | mi                 | For UF                                  |  |  |  |
| Turbidity (ntu)                         |  |   | ************************************** | VOA                | For UF                                  |  |  |  |
| H₂O Tmp. (°C)                           | 11-3   | <u> </u>  |  | m)                 | For UF                                  |  |  |  |
| Color                                   | 4<110u   | <i></i>   |  | ml<br>mi           | For UF<br>For UF                        |  |  |  |
| Other:                                  |  | <del>,</del>  | / <u> </u>                             | m)<br>m)           | For UF                                  |  |  |  |
| Comments:                               | 8202   |   | ****                                   |                    | , | <del></del>                              |  | <u></u>  |
|   | <u> </u>   |   |  |                    |   |  |  |  |
| *************************************** |  |   | - Andrew Charles                       | /_                 |   |  | <del></del>  |  |
|   |  |   |  | 4                  | 1                                       |  | ······································   |  |
| Sampl                                   | le Team Mem  | ber Signature:  |  | <u> </u>           | ´X)                                     |  | Page   | / of /   |

| Pı<br>Sample Team                       | Member(s):   | 9088.00, Phas     |  |  | Sample Co                     | Designation:<br>ode Number:<br>Sample Date:<br>ample Time:   | /43 2            | 2 - 2 9 - 1 6<br>(military)  |
|---|--|-------------------|--|--|-------------------------------|--|------------------|--|
|   |  |                   |  |  | For Gro                       | oundwater Sa   | <u>mples</u>     |  |
| If Di                                   |  | ple Collected     | !  |  | well volume                   |  | . 2              | Comments   |
|   | Please Reco  |                   |  |  | formula:                      | V = (TD-SWL)x([<br>157.13  | <u>Dia.²)</u> 25 |  |
|   | Sample Code #:   |                   |  |  |                               |  |                  |  |
| Duplica                                 | te Sample Time:  |                   | CONCURSO CONTRACTOR DE CONTRAC | Casina   | SvvL (π):<br>Diameter (I.D.") | 144 i<br>2   | 13               |  |
| ·                                       | Site Con   | ditions           | AND THE RESIDENCE OF THE PARTY  |  | /olume (V) (gal):             |  |                  |  |
| New Site: '                             | Yes (No)   | Photo taken:      | Yes (No  | Actual Vol.  | Removed (gal.)                |  |                  |  |
| Site Type:                              |  |                   | process water  | 4  | Level Recovery:               |  | rate rapid       |  |
|   | A CONTRACTOR OF THE PARTY OF TH | ell domestic we   | ll adit seep   |  | For S                         | Surface Water  | r Samples        |  |
|   | spring-other:  | and a designation |  | Flow Meth  | nd' Marsh                     | McBirney Volu  | netric Fluma     | Weir Estimate  |
| Mantha                                  | ,  |                   | ) (1808).  |  |                               | m <u>:</u>   |                  |  |
| vveatne                                 | r Conditions:  | no precip. rai    | ' '  | Olliei Flow  | ror besamplic                 |  |                  |  |
|   | (  | clear p. cloudy   |  |  |                               |  |                  |  |
| Air 1                                   | remperature:   | °C                |  | Flow:  | gpm                           | cfs  | Staff Gage:      | 0.000  |
| *************************************** |  |                   | Field Pa   | rameter Stal   | ollization                    |  |                  |  |
|   | Oxidation  |                   |  |  |                               |  | Additional Para  | imeters or   |
| Time                                    | Reduction  | Dissolved         |  | S.C.   | Purge Vol.                    | Temperature  | ŀ                | Notes  |
| (military)                              | Potential (mV)   | Oxygen (mg/l)     | pH   | (µmhos/cm)   | (gal)                         | (°C)   | 1112             | 12   |
| 330                                     |  |                   | 10.0   | 5020   | 0.25                          | 12.4   | 413617           | E/100  |
| 1334                                    |  |                   | 10.7   | 5160   | 0.25                          | 12:4   | . 1              | · · · · · · · · · · · · · · · · · · ·  |
| 1337                                    |  |                   | 10.1   | 5170   | 0.25                          | 11.3   | / /              | nyanja dikamanganjan sa pamangan na mananangan na mananangan na mananangan na mananangan na mananangan na manan<br>Pak |
| 1343                                    |  |                   | 10,4   |  | <u> </u>                      |  |                  |  |
|   |  |                   |  |  |                               |  |                  | **************************************   |
| <u> </u>                                |  |                   |  |  |                               |  |                  |  |
| Turbidity:                              | (dear)   | moderate          | Sa   | mple Method  | l: grab                       | composite  | (pump)           | bailer other   |
| (circle)                                | slight   | very              |  | (describe)   |                               | npling - dedicate  | T-1              |  |
| •                                       | Field P  | arameters         |  |  | Bottle                        | s Collected  |                  |  |
|   | Sample   | Duplicate         | Quantity   | Size   | Filter or Unfilt.             | Preservalive   | Parameter        | Additional Notes   |
| ORP (mV)                                |  |                   | 1  | 250 ml   | F or UF                       | NaOH   | Total/WAD/Free   | CN   |
| DO (mg/l)                               |  |                   | 1  | 250 m)   | F or UF                       | Raw  | Fluoride         |  |
| рН                                      | 10.1   |                   |  |  |                               |  |                  |  |
| SC (µmhos/cm)                           | 5-170  |                   |  |  |                               |  |                  | A  |
| Turbidity (ntu)                         |  |                   | H=14000000000000000000000000000000000000   |  |                               |  |                  |  |
| H₂O Tmp. (°C)                           | 11.8   |                   |  | m  | For UF                        | The state of the s |                  |  |
| Color                                   | · · · · · · · · · · · · · · · · · · ·  |                   |  | ml<br>ml   | For UF<br>For UF              |  |                  |  |
| Other:                                  |  |                   |  | m)   | For UF                        |  |                  |  |
| Comments: 1                             | CD 28  |                   |  | 111  |                               | <u> </u>   |                  |  |
|   |  |                   |  | A CONTRACTOR OF THE PARTY OF TH |                               |  |                  |  |
|   |  |                   |  |  | )                             |  |                  | 400-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0  |
|   |  |                   |  | 1  |                               |  |                  |  |
| Sampl                                   | e Team Mem   | ber Signature:    |  |  | <u> </u>                      | <del> </del>   | Page             | / of 1   |

| Pr   | oject Name:            | Kaiser Mead                                      |  |              |   | Designation:            | and the second s |  |
|--|------------------------|--|--|--------------|---|-------------------------|--|--|
|  |                        | 9088.00, Phase                                   | 9 024  |              | Sample Co                               | de Number:              | KM-3   | 4  |
| Sample Team  |                        |  |  |              | S                                       | iample Date:            | 2.29   | = 1 6<br>2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   |
| Labo   | ratory Used:           | SVL Analytical                                   |  |              | S                                       | ampie i ime:            | E> C- C  | nilitary)  |
|  |                        |  |  |              | For Gro                                 | oundwater Sa            | mples .  |  |
| If D   | uplicate Sam           | ple Collected,                                   |  |              | well volume                             |                         |  | O  |
|  | Please Rec             |  |  |              | formula:                                | V = <u>(TD-SWL)x(</u> ( | <u>Dia.²)</u> 25   | Comments   |
| Duolicate  | Sample Code #:         |  |  |              | TD (ft):                                | 171.06                  | *************************  | ***************************************  |
| •  | te Sample Time:        |  |  |              | SWL (fi):                               | 158                     | 15   | 5.91   |
|  |                        |  | Control of the Contro | Casing       | <u>Dia</u> meter (I.D.")                | 2                       |  |  |
|  | Site Con               | <u>ditions</u>                                   |  | Water V      |   |                         |  |  |
| CONTINUES ON THE PROPERTY OF T |                        |  |  |              | x 3=(gal.)                              |                         |  |  |
|  | Yes (No)               | Photo taken:                                     | Yes No   |              | Removed (gal.)                          |                         |  |  |
| Site Type:   | DRY                    | surface water p                                  | rocess water   | Water        | Level Recovery:                         | slow mode               | erate rapid  | The state of the s |
|  | Critoring v            | vell) domestic well                              | adit seep  |              | <u>For S</u>                            | Surface Wate            | <u>r Samples</u>   |  |
|  | spring- other:         |  |  | Flow Metho   | od: Marsh                               | McBirney Volu           | metric Flume   | Weir Estimate  |
| Weathe   | er Conditions:         | Calm breeze                                      | windy  | Other Flow   | or Description                          | n:                      |  |  |
|  |                        | no precip. rain                                  | wors   |              |   |                         |  | S 15 51 5 53 45 15 5   |
|  | •                      | clear p. cloudy                                  | overcast   |              |   |                         |  |  |
| Air  | Temperature:           | °C   | 37 °F  | Flow:        | gpm                                     | cfs                     | Staff Gage:  | Successive services of the con-  |
|  |                        |  | <u>Field Pa</u>  | rameter Stal | <u>ilization</u>                        |                         | Additional Para  | meters or  |
| Times  | Oxidation<br>Reduction | Dissolved  |  | S.C.         | Purge Vol.                              | Temperature             |  | Aneters or<br>Notes  |
| Time<br>(military)   | Potential (mV)         | Oxygen (mg/l)                                    | рH   | (µmhos/cm)   | (gal)                                   | (°C)                    |  |  |
| 842  |                        |  | 9.3  | 656          | 0.25                                    | 11.5                    | 5/1361   | the day  |
| 13416  |                        |  | 8.0  | 704          | 0.25                                    | 12:1                    | 711  | 1 .  |
| 850  |                        |  | 7.9  | 706          | 0.25                                    | 11.7                    | 110  | /  |
| 454  |                        |  | 7.9  | 700          | 0,25                                    | 1104                    | ( lsi  | ٠  |
|  |                        |  |  |              | · · · · · · · · · · · · · · · · · · ·   |                         |  |  |
|  |                        |  |  |              |   |                         |  |  |
|  |                        |  |  |              |   |                         |  |  |
| Turbidity:   | (clear)                | moderate   | Sa   | mple Method  |   | composite               | 1  | bailer other   |
| (circle)   | slight                 | very   |  | (describe)   | Low flow san                            | npling - dedicate       | d bladder pump   |  |
| •  | <u>Field F</u>         | arameters  |  |              | *************************************** | s Collected             |  |  |
|  | Sample                 | Duplicate  | Quantity   | Size         | Filter or Unfilt.                       | Preservative            | Parameter  | Additional Notes   |
| ORP (mV)   |                        |  | 1  | 250 ml       | F or UF                                 | NaOH                    | Total/WAD/Free   | CN   |
| DO (mg/i)  |                        |  | 1  | 250 ml       | F or UF                                 | Raw                     | Fluoride   |  |
| рΉ   | 7.9                    |  |  | ml           | For UF                                  |                         |  |  |
| SC (µmhos/cm)  | 702                    |  |  | ml           | For UF                                  |                         |  |  |
| Turbidity (ntu)  |                        |  |  | VOA          | For UF                                  |                         |  | and the second s |
| H₂O Tmp. (°C)  | 11,4                   |  |  | ml           | For UF                                  |                         | - <u> </u>   | According to the second se   |
| Color  |                        |  |  | ml<br>ml     | For UF<br>For UF                        |                         |  |  |
| Other:   |                        | <b>K</b> -0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- |  | nı           |   | <u> </u>                |  |  |
| Comments:  | ID 82                  |  |  | 1            | , 5, 51                                 |                         |  |  |
| Commone.   |                        | (A   |  |              | Second Williams                         | )                       |  |  |
|  |                        |  | WANTED TO THE TOTAL PROPERTY OF THE TOTAL PR |              |   | /                       |  |  |
|  |                        |  |  | 1/           |   |                         |  | West State of State o |
| Samp   | le Team Merr           | ber Signature: _                                 |  | 4            |   |                         | Page   | of   |
|  |                        |  | •  | 1 /          | (                                       | /                       |  |  |

| H   | ydrom        | etrics,       | Inc.    | <u> </u>   |
|-----|--------------|---------------|---------|--|
| CAN | cultion Scia | atiese and Fa | oîneers | Approximation of the last of t |

|  |  | 9088.00, Phas                          | se 002   |                           | Sample C  | Designation:<br>ode Number:<br>Sample Date:  | KM-4             | 2016   |
|--|--|--|--|---------------------------|---|--|------------------|--|
|  |  | SVL Analytica                          | :  |                           |   | sample Time:   |                  |  |
|  | •  |  | V  |                           |   | oundwater Sa   |                  | - Company of the Comp |
| If D   | uplicate Sam   | ple Collected                          | !  |                           | well volume                                     |  |                  | A  |
| 10.00 m  | Please Reco  | ord Below                              | •  |                           | formula:  | V = (TD-SWL)x(I  | <u>Dia.²)</u> 25 | Comments   |
| Duplicate  | Sample Code #:   |  | Control of the Contro |                           | TD (ft):  | 153.29   |                  |  |
| Dupilca  | te Sample Time:  |  |  |                           | SWL (ft):                                       | 147  | -21              |  |
|  | Site Con   | <u>ditions</u>                         |  |                           | olume (V) (gal):                                |  |                  |  |
| New Site:<br>Site Type:  | Yes (No DRY  | Photo taken:<br>surface water          | Yes No<br>process water  |                           | x 3=(gal.)<br>Removed (gal.)<br>Level Recovery: |  | 3                |  |
|  | monitoring w   | domestic we                            | ll adit seep   |                           | For S   | Surface Wate   | <u>r Samples</u> |  |
|  | spring-olher:  |  |  | Flow Metho                | od: Marsh                                       | McBirney Volu  | métrio Flume     | Weir Estimate  |
| Weathe   | er Conditions:   | no precip. rati                        | n snow   | Other Flow                | or Description                                  | on <u>:</u>  |                  |  |
| Air 1  | Temperature:   | (lear ) p. cloudy                      | 45 °F  | Flow:                     | gpm   | cfs  | Staff Gage:      | i de la companya del companya de la companya del companya de la co |
| hemicama Zemojan (mojeka do Zemoja d |  | AANANOMAS                              | <u>Field Pa</u>  | rameter Stab              | illizatio <u>n</u>                              |  |                  |  |
| Time<br>(military)   | Oxidation<br>Reduction<br>Potential (mV)   | Dissolved<br>Oxygen (mg/i)             | рН<br><b>8 - 3</b>   | S.C.<br>(jumhos/cm)       | Purge Vol.<br>(gal)                             | Temperature<br>(°C)  | 5/4 0            | meters or<br>Notes<br>/ひょうフ  |
| 1020   | -  |  | 6,6  | 701                       | 0.5   | 11.5   |                  |  |
| 1026   |  |  | 8.2  |                           |   | 1101   | (* 1             | *  |
|  |  |  | ,,   |                           |   |  |                  |  |
| 10+0-1000  | ······································   |  |  |                           |   |  |                  |  |
|  |  |  |  |                           |   |  |                  |  |
| Turbidity:<br>(circle)   | clear<br>slight  | moderate<br>very                       | Sa   | mple Method<br>(describe) | grab  | composite<br>paller  | pump (           | baller other   |
|  | Field P  | arameters                              |  |                           | <u>Bottle</u>                                   | es Collected   |                  |  |
|  | Sample   | Dupticate                              | Quantity   | Size                      | Filter or Unfilt.                               | Preservative   | Parameter        | Additional Notes   |
| ORP (mV)   |  |  | 1  | 250 ml                    | F or UF   | NaOH   | Total/WAD/Free   | CN   |
| DO (mg/l)  |  |  | 1  | 250 ml                    | F or UF   | Raw  | Fluoride         |  |
| pH<br>SC (umbas/sm)  | 8.2  |  |  | ml<br>ml                  | For UF  |  | -                |  |
| SC (µmhos/cm)  | 701  | <u> </u>                               |  | ml<br>VOA                 | For UF<br>For UF                                |  |                  |  |
| Turbidity (ntu)<br>H₂O Tmp. (°C)   |  |  | Anna anna de l'Espaini de l'Anna de l'An   |                           | For UF  | PORTON AND PROPERTY OF THE PRO |                  |  |
| H <sub>2</sub> CI IMp. (°C)<br>Color   | 11.1   | J                                      |  | ml<br>ml                  | For UF  |  | 1                |  |
| Other:   |  |  |  | m!                        | F or UF   |  |                  |  |
| ALL  |  | ······································ |  | ml                        | F or UF   |  |                  |  |
| Comments:  |  |  |  |                           |   | -y-in-   |                  | en e   |
| <del>,</del>   | and the second s |  |  | ٠                         |   |  |                  |  |
|  | and the second s |  |  |                           |   |  |                  |  |
| Sampl  | e Team Mem   | ber Signature:                         |  | (                         | \$  | - : · · · · · · · · · · · · · · · · · ·  | Page             | / of /   |

| Hydrometrics,                | Inc.    | A  |
|------------------------------|---------|--|
| Consulting Scientists and En | gineers | The state of the s |

| Pi  | roject Name:                | Kaiser Mead  |  |  |  | Designation:   |  |  |  |
|---|-----------------------------|--|--|--|--|--|--|--|--|
| P   | roject Code:                | 9088.00, Phas  | se 002   |  | Sample Co  | ode Number:  | KM-5   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  | ·  |
| Sample Team   | · Member(s):                | Chavez   |  |  | 8  | Sample Date:   | 2-29-  | 16   |  |
| Labo  | ratory Used:                | SVL Analytica  | 1  |  | . 9  | ample Time:  | 1355   |  | (military)   |
| F11 74 14 C   |                             |  | · · · · · · · · · · · · · · · · · · ·  |  | Env Ou   | · · · · · · · · · · · · · · · · · · ·  | munios   |  |  |
|   |                             |  |  |  | <u>For Gre</u>   | oundwater Sa   | mples  |  |  |
| If D  | uplicate Sam                | ple Collected  | į  |  | well volume  |  |  |  |  |
|   | Please Rece                 | ord Below  | •  | ļ                                      | formulas   | V = (TD-SWL)x(I)   | <u>)la.²) 25</u>   | Comm   |  |
| Davillanta  |                             |  |  |  |  | 153.29   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |  |  |
| •   | Sample Code #:              |  |  |  | OMI (N).   | 100.20   | r~ /   |  | 1  |
| Duplica   | ite Sample Time:            | IMAGES /   |  |  | OANT (III):  | 145  | <u>, s /</u>   |  | ŀ  |
|   |                             |  |  | Casing                                 | Diameter (I.D.")   | 2  |  |  | - 1  |
|   | <u>Site Con</u>             | <u>ditions</u>   |  | Water V                                | /olume (V) (gal):  |  |  |  | 1  |
| de andre de l'étable l'étable de l'étable |                             |  |  |  | x 3=(gal.)   |  |  |  | l  |
| New Site:   | Yes (No)                    | Photo taken:   | Yes (No)   | Actual Vol.                            | Removed (gal.)   |  | <u> </u>   |  | 1  |
| Site Type:  | DRY                         | surface water  | process water  | Water                                  | Level Recovery:  | sbom wode  | erate rapid  |  |  |
| , ,,,==-  | Market Market Street Street | The same of the sa |  | Acceptable Commonstration Acceptage    | Faut   |  | r Comples  |  |  |
|   | monitoring v                | vell domestic we   | ell adit seep  |  | <u>ror s</u>   | Surface Wate   | r Samples  |  |  |
|   | marian other                | and the same of th |  | Plantisch                              |  |  |  | Mair Er  | stimate  |
|   | spring-other:               | <b></b>  |  | Carrier of the Arthresis               |  | McBirney Volu  | menio Finine   | AAAN Es  | viillato   |
| Weath   | er Conditions:              | caim (breez  | e) windy   | Other Flow                             | or Description   | n:   |  | 90.00  |  |
|   |                             | no precip. rai   | n snow   |  | 5 44 6 6 6   |  |  |  | 40.00  |
|   |                             | clear p. cloudy  | overcast   |  |  |  |  |  |  |
| Δir   | Temperature:                | -  |  | Flow:                                  | gpm  | cfs  | Staff Gage:  |  |  |
| 7 11  | TOTTPOTATATO.               |  |  |  |  |  |  |  |  |
|   |                             |  | <u>Field Pa</u>  | arameter Stal                          | <u> ilization</u>  |  |  |  |  |
|   | Oxidation                   |  |  |  |  | T  | Additional Para  |  | or   |
| Time  | Reduction                   | Dissolved  |  | s.c.                                   | Purge Vol.   | Temperature  | ı,   | lotes  |  |
| (military)  | Potential (mV)              | Oxygen (mg/l)  | pH   | (µmhos/cm)                             | (gal)  | (°C)   |  |  |  |
| 1405  |                             |  | 10,1   | 6050                                   | 0.25   | 11.0   |  | 10W  | ***************************************  |
| 1408  |                             |  | 10.2   | 6790                                   | 0.25   | 1016   | £7 13  |  |  |
| 1413  |                             |  | 10.2   | 6380                                   | 0.25   | 1110   | 70 1   |  |  |
| 1418  |                             |  | 10.2   | 6320                                   | 0,25   | 10.6   | 1. 11  |  |  |
|   |                             |  |  |  |  |  |  |  |  |
|   |                             |  |  |  |  |  |  |  |  |
|   |                             |  |  |  |  |  |  |  |  |
|   |                             |  |  |  | and the state of t |  |  | lances according to the last t |  |
| Turbidity:  | Cdear                       | moderate   | Sa   | mple Method                            |  | composite  |  |  | ther   |
| (circle)  | slight                      | very   |  | (describe)                             | Low flow san   | npling - dedicate  | d bladder pump   |  |  |
| • •   | -                           | aramatara  |  |  | Roffle   | s Collected  |  |  |  |
|   |                             | arameters  | Q  | O!                                     | Filter or Unfilt.  | Preservative   | Parameter  | Additiona  | al Noine   |
|   | Sample                      | Duplicate  | Quantity   | Size                                   |  |  |  |  | 1110103  |
| ORP (mV)  |                             |  | 11   | 250 ml                                 |  | The second secon | Total/WAD/Free   | CN   |  |
| DO (mg/l)   |                             |  | . 1  | 250 ml                                 | For UF   | Raw  | Fluoride   |  |  |
| рΗ  | 10.2                        |  |  | ml                                     | For UF   |  |  |  |  |
| SC (µmhos/cm)   | 6320                        |  | ·  | ml                                     | For UF   |  |  |  |  |
| Turbidity (ntu)   |                             |  |  | VOA                                    | F or UF  |  |  |  |  |
| H₂O Tmp. (°C)   | 10.6                        | A STATE OF THE PROPERTY OF THE | - AND  | m)                                     | F or UF  |  |  |  |  |
| Color   | <del></del>                 | A CONTRACTOR OF THE PARTY OF TH |  | ml                                     | F or UF  | · · · · · · · · · · · · · · · · · · ·  |  |  |  |
|   | ļ                           |  |  | m)                                     | F or UF  |  |  | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~   | ACCUMENTATION OF THE PERSON OF |
| Other:  | <u> </u>                    |  | J  |  |  |  |  |  | A  |
| <b>A</b>  | TN/^                        |  |  | ml                                     | For UF   | <u> </u>   | 1  |  | (m))*(m):  |
| Comments:   | 2400                        | _u_i_i anni (  |  | <del></del>                            |  |  |  |  | W2000  |
|   |                             | , wassaasaasaasaasaa vaata - va        |  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  | entropy of the second s |  | ······································   |  |
|   |                             | edotorud (harangia a manasaka akaba ak   |  |  |  |  | and the second s | <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>   | harante est principal and a  |
|   | 1                           | 10   | The state of the s |  | /n   |  | <  |  |  |
| Samp  | ie Team Mem                 | ber Signature:   | -  | \d\.\                                  |  |  | Page   |  | ot I   |

|  | Project Name:                                  |  |  |  | Site   | Designation                            | <b>.</b>                                       |  |  |
|--|--|--|--|--|--|--|--|--|--|
|  |  | 9088.00, Pha   | ise 002                                | •  | Sample C   | ode Number                             | : KM-6   | PO-Section in the section in the sec |  |
|  | m Member(s):                                   |  |  |  |  | Sample Date                            | :2-28-   | 15   |  |
| Lab  | oratory Used:                                  | SVL Analytica  | al                                     | on.  |  | Sample Time                            | 14/32  | ·  | (military)   |
|  |  |  |  |  | For G  | oundwater S                            | amoles   |  |  |
| If I   | Duplicate San                                  | ple Collected  | 4                                      |  |  |  |  |  |  |
|  | Please Rec                                     |  | <del>-2</del>                          |  | well volume<br>formula:  | V = (TD-SWL)x(                         | Dia. <sup>2</sup> ) 25                         | Com  | ments  |
| Dunlinat   | e Sample Code #:                               |  |  | 1  |  | **********************                 | *********                                      | ***********  | ************   |
|  | ate Sample Time;                               |  | MANUAL TABLESONISME                    | 1 1  | TD (ft)  |  |  | •  |  |
|  |  | i<br>Videiamagagaagaaggaggs  |  | Coning   | SWL (ft)   |  | <u>: 68                                   </u> |  |  |
|  | Site Con                                       | ditions  |  |  | Diameter (I.D."  |  | *  |  |  |
|  | 300 000  | WING 113   |  | vvaler   | /olume (V) (gal)   |  |  | -  |  |
| New Site:  | Yes (No)                                       | Photo taken:   | Yes (No)                               | Actual Vol   | x 3=(gal.)<br>Removed (gal.)   |  |  | -  |  |
| Site Type:   |  | surface water  | process water                          |  | Level Recovery:  |  | erate rapid                                    | 4  |  |
| •  |  | " " " " " " " " " " " " " " " " " " "  | ,                                      |  |  |  |  | <del></del>  |  |
|  | monitoring v                                   | vell ) domestic wo   | ell adit seep                          |  | <u>For</u>   | Surface Wate                           | <u>r Samples</u>                               |  |  |
|  | spring-other;                                  |  |  | Flow Meth  | od: March  | McBirney Volu                          | males flas                                     | 181212   |  |
| Mooth  | er Conditions:                                 | The second secon |  |  |  |  | medic Fidille                                  | Weir E   | īslimate   |
| y veatti   | ei Conditions.                                 | Same   |  | Other Flow   | or Description   | on:                                    |  |  |  |
|  |  | no precip. rai   |  | 5 (6) (5) (6) (8)  | 400000   |  |  |  |  |
| Air  | Temperature:                                   | Clear p. cloudy  |  | Flow   |  |  | 01-460   |  |  |
| <u> </u>   | Tomboraturo,                                   |  |  | 7-460 (1-560 PC) - 540 PC  | gpm  | cls                                    | Staff Gage:                                    |  |  |
|  |  |  | Field Pa                               | arameter Stal  | <u>pilization</u>  |  |  |  |  |
| Time   | Oxidation<br>Reduction                         | Discolused   |  | 6.0  | -  | 4                                      | Additional Par                                 |  | 10   |
| (military)   | Potential (mV)                                 | Dissolved<br>Oxygen (mg/l)   | Hq                                     | S.C.<br>(µmhos/cm)   | Purge Vol.   | Temperature<br>(°C)                    | ļ  | Notes  |  |
| 1438   | I  | • • • • • • • • • • • • • • • • • • •  | 9.7                                    | 4960   | (gal)<br>Ø · 2 (   | 10.6                                   | tell   | ~~~  |  |
| 1441   |  |  | 9.8                                    | 5520   | 0.25   | 10.8                                   | -  |  |  |
| 1443   |  |  | 9.9                                    | 5800   | 0.25   | 11.0                                   | 24 1   |  | ×  |
| 1446   |  | ***************************************  | 10.0                                   | 5370   | 0.25   | 10.9                                   | 11 6   |  |  |
| 1440   |  |  | 10.0                                   | 5730   | 0.25   | 10.9                                   | , ,  |  |  |
| 1453   |  |  | 10.0                                   | 5050   | 0.25   | 10.7                                   | Vi   | ,  |  |
| · · · · · · · · · · · · · · · · · · ·  |  |  |  |  |  |  |  |  |  |
| Turbidity:   | (dear )  | moderate   | Sa                                     | mple Method  | : grab   | composite                              | (pump)   | bailer o   | thor   |
| (circle)   | slight   | very   |  | (describe)   | -  | composite<br>ipling - dedicate         |  |  | ther   |
| •  | <del>-</del>                                   | arameters  |  | (0000,100)   |  |  | n madnai bumb                                  |  |  |
|  |  |  | 6 8                                    | ٥.   |  | s Collected                            |  |  |  |
| ORP (mV)   | Sample   | Duplicate  | Quantily                               | Size   | Filter or Unfilt.  | Preservative                           | Parameter                                      |  | al Notes   |
| DO (mg/l)  | -  |  | 1                                      | 250 ml   | For UF   | NaOH                                   | Total/WAD/Free                                 | CN   |  |
| Hq   | 10.0   |  |  | 250 mi<br>mi   | For UF<br>For UF   | Raw                                    | Fluoride                                       | -  |  |
| SC (µmhos/cm)  | 5050   |  |  | in in  | For UF   |  |  |  |  |
| Turbidity (ntu)  |  |  |  | ml   | For UF   | ·                                      |  |  |  |
| H₂O Tmp. (°C)  | 10.7   |  | 783                                    | mi   | F or UF  | ************************************** |  |  |  |
| Golor  |  |  |  | m)   | F or UF  |  |  | ***************************************  | M4nZednobra neversenskappy-  |
| Other:   | - A-07 . 11. 21. 21. 21. 21. 21. 21. 21. 21. 2 |  |  | ml   | F or UF  |  | ***************************************        |  |  |
|  |  |  |  | ml   | F or UF  |  |  |  |  |
| Comments:  | 10 54  |  | ************************************** |  | The second secon |  | ACTION SECTION .                               | ——————————————————————————————————————   | ا  |
|  |  |  |  | The state of the s |  | <del>^</del>                           |  |  |  |
| epopolismo in a series and a se |  |  |  |  | ***************************************  | )                                      |  |  | The state of the s |
|  |  |  | ······································ | 1  |  |  |  |  |  |
| Sampl  | e Team Memb                                    | er Signature: _  |  | 4.   |  | <u> </u>                               | Page   | / 0  | 1 /  |
|  |  |  | No. of the last                        | v  | 1/2 # mg .bm   |  | 181 50   | _  | - <del></del> -  |
|  |  |  |  |  | KM-7 (Dept   | n to water) 📑                          | 187,59   |  |  |

| F<br>Sample Tear   | Project Code:<br>n Member(s):          | Kaiser Mead<br>9088.00, Pha<br>Chavez<br>SVL Analytica   |   |  | Sample C                            | Designation:<br>ode Number:<br>Sample Date:<br>Sample Time:  | KMCP-1B<br>2 2<br>10 イツ                    |   | ර<br>(military)   |
|--|--|--|---|--|-------------------------------------|--|--|---|---|
|  |  |  | _   |  | <u>For Gr</u>                       | oundwater Si   | amples                                     |   |   |
| <u> If L</u>   | <i>Duplicate San</i><br>Please Rec     | iple Collected<br>ord Below  | <u>i,</u>   |  | well volume<br>formula:             | V = (TE) 0140 \u/  | Dia. <sup>2</sup> ) 25                     | Comme                                   | ents  |
| Dunlleat   | e Sample Code #:                       |  |   | ı İ  |                                     | V = (TD-SWL)x(<br>181.55   |  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ************  |
|  | ate Sample Time:                       |  | ***************************************                           |  |                                     | 16:33  |  | -                                       |   |
|  |  |  |   | Casino   | <u> Dia</u> meter (I,D.")           | 2  |  |   |   |
|  | Site Con                               | ditions  |   | Water  | Volume (V) (gal):                   |  |  | ·<br>-                                  |   |
| New Site: (  | XAD //No )                             | Photo taken:   | Yes (No)  |  | x 3=(gal.)                          |  |  | -                                       |   |
| Site Type:   | DRY                                    |  | process water   |  | . Removed (gal.)<br>Level Recovery: |  |  | *                                       |   |
| ,  | nonitoring v                           | <b>\</b>   | ell adit seep   |  |                                     | Surface Wate   | (Nilandamakan marang mengapakan mengapakan | **************************************  | he district and the second  |
|  | Commence and the second                |  | an ann seeb   |  |                                     | ouriace wate   | <u>r Sampies</u>                           |   |   |
|  | spring- other:                         | *,Eriani   |   | Flow Meth  | od: Marsh                           | McBimey Volu   | metric Flume                               | Welr Est                                | limate  |
| Weath  | er Conditions:                         |  | _ '   | Other Floy   | v or Description                    | on:  |  |   |   |
|  |  | no precip. rel<br>clear / p. cloudy  |   | 20063  |                                     | 0000003  |  |   |   |
| Air  | Temperature:                           | And the second s | _   | Flow:  | gpm                                 | cís  | Staff Gage:                                |   |   |
|  |  |  |   | rameter Sta  |                                     |  |  |   |   |
|  | Oxidation                              |  | I I GIU I G   | iramotor Otal  | VIIIZAUVII                          |  | Additional Para                            | emeters                                 | Q1  |
| Time   | Reduction                              | Dissolved  |   | S.C.   | Purge Vol.                          | Temperature  | ı  | Notes                                   |   |
| (military)   | Potential (mV)                         | Oxygen (mg/l)  | рн<br>В.З   | (μmhos/cm)<br>\$`2_3   | (gal)                               | (°C)   | clea                                       | ·                                       |   |
| 1604   |  |  | 8.1   | 575  | ري.<br>تري.س                        | 10.9   | 11   | <i></i>                                 |   |
| 1106   |  |  | 32  | 509  | 0.25                                | 11.0   | ۲,   |   |   |
| 1109   |  |  | 8.1   | 508  | 0.25                                | 18.7   | /  |   |   |
|  |  |  |   |  | <u> </u>                            |  |  |   |   |
|  |  |  |   |  |                                     |  |  | ·                                       |   |
| Turbidity:   | olaas                                  | moderate.  | e <sub>n</sub>  | mple Method  | 1.                                  |  |  |   | intelection and an existing   |
| (circle)   | clear<br>slight                        | moderate<br>very   | 38  | (describe)   | -                                   | composite<br>pling - dedicate  |  | bailer oth                              | er  |
| (00.5)   | •                                      | arameters  |   | (00001,110)  |                                     | s Collected  | a pragator pump                            |   |   |
|  | Sample                                 | Duplicate  | Quantity  | Size   |                                     | Preservative   | Parameter                                  | Additional                              | Notes   |
| ORP (mV)   | C************************************* |  | 1   | 250 ml   | F or UF                             | NaOH   | Total/WAD/Free                             |   |   |
| DO (mg/l)  | 28                                     |  | 1   | 250 ml   | F or UF                             | Raw  | Fluoride                                   |   | 470-50-61a-6  |
| pH   | 8.1                                    |  |   | ml   | For UF                              | ***************************************  |  | *************************************** |   |
| SC (µmhos/cm)<br>Turbidity (ntu)   | 5-08                                   |  |   | ml<br>VOA  | For UF<br>For UF                    |  |  |   | <del> </del>  |
| H <sub>2</sub> O Tmp. (°C)   | 10.7                                   |  | <b>-</b>  | ml   | For UF                              | Capital Capita Capita Capita Capita Capita Cap |  |   |   |
| Color  |  |  |   | ml   | F or UF                             |  |  |   |   |
| Other:   | 5W05#EHL                               |  |   | mi   | F or UF                             |  |  |   |   |
| Comments:  | Dec                                    |  |   | ml]  | F or UF                             | 200000000000000000000000000000000000000  |  | Ĺ                                       |   |
| Comments: A  | · / 33                                 |  |   | Medit and the second |                                     |  |  |   |   |
| and the second s |  |  | <del>Middles de des en </del> | ./   | )                                   |  |  |   |   |
|  | ~~~~                                   |  |   | 7/   | /                                   |  |  |   | First V. Communication of the |
| Sampl  | e Team Memb                            | oer Signature:   |   |  | 1X                                  |  | Page                                       | / of                                    |   |
|  |  |  | •   |  | KMCP-1A (                           | DTW)   | 157.0                                      | 2-                                      |   |

|  |                                  | Kaiser Mead  | 000                                     | -                               |   | Designation  |  |  |
|--|----------------------------------|--|---|---------------------------------|---|--|--|--|
| Sample Tea                             | r foject Code.<br>o filombor(o): | 9088.00, Pha   | ise 002                                 | -                               | Sample C                                | ode Number   |  |  |
|  | m Member(s):                     | SVL Analytica  |   | •                               |   | Sample Date  | : <u>2-29</u> -  | , , C  |
| Lau                                    | oratory osed:                    | SVL Analytica  | 31                                      | <b>_</b>                        |   | Sample Time  | 100  | ✓ (military)   |
| 16.1                                   | D                                |  |   | CHROCON Division of the Company | <u>For Gr</u>                           | <u>roundwater S</u>  | <u>amples</u>  |  |
| <u>ir i</u>                            |                                  | nple Collected   | <u>1,</u>                               |                                 | well volume                             |  |  | A  |
|  | Please Rec                       | ord Below  |   | _                               |   | V = (TD-SWL)x  | ( <u>Dia.</u> ²) 25  |  |
| Duplicat                               | e Sample Code #                  |  |   | ] [                             | TD (ft)                                 | 171.29   | )  | ******************   |
| Duplic                                 | ate Sample Time                  | •  |   | ]                               | SWL (ft)                                | 15   | 7.92   | - Committee  |
|  |                                  |  |   | Casin                           | g <u>Dia</u> meter (I.D."               |  |  | <del></del>  |
|  | Site Con                         | ditions  |   |                                 | Volume (V) (gal)                        |  |  |  |
| Mout Cito                              | Yes (No.)                        | Dt t - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1   | No. (55.1                               | 1 <b>l</b>                      | x 3=(gal.)                              | )  |  |  |
| New Site:                              |                                  | Photo taken:   | -                                       |                                 | l. Removed (gal.)                       |  | <u></u>  | ·<br>Mai   |
| Site Type:                             | Market Market                    |  | process water                           | Wate                            | Level Recovery                          | slow mod   | erate rapid  |  |
|  | monitoring v                     | well domestic we   | ell adit seep                           | <b>4</b>                        | <u>For</u>                              | Surface Wate   | r Samples  |  |
|  | spring- other:                   | ,<br>,   |   | Flow Meth                       | iod: Marsh                              | McBimey Volu   | melric Flume   | Welr Estimate  |
| Weath                                  | er Conditions:                   | calm (breez  | e) windy                                | Other Flo                       | v or Descripti                          |  |  | Tien Commons   |
|  |                                  | no precip. rai   | -                                       |                                 | y or Descripti                          | J)1.   |  |  |
|  | (                                | clear > p. cloudy  |   |                                 |   |  |  |  |
| Air                                    | Temperature:                     |  |   | Flow:                           | gpm                                     | cfs  | Staff Gage:  |  |
|  |                                  |  | *************************************** | CASC 40-055544                  | CHARLES SCHOOL                          | VIO.   | Otan Gago.   |  |
|  | Oxidation                        |  | <u>Field Pa</u>                         | arameter Sta                    | pilization                              |  |  |  |
| Time                                   | Reduction                        | Dissolved  |   | S.C.                            | Purge Vol.                              | Temperature  | Additional Par   | ameters o.<br>Notes  |
| (military)                             | Potential (mV)                   | Oxygen (mg/l)  | pH                                      | (jumhos/cm)                     | (gal)                                   | (°C)   |  | 140100   |
| 1019                                   |                                  |  | 8,5                                     | 477                             | 1.25                                    | 9.3  | ( /:   | >e.v   |
| 1024                                   |                                  |  | €.3                                     | 457                             | 0.45                                    | 9.4  | 1  |  |
| 1028                                   |                                  |  | 83.3                                    | 425                             | 0.21-                                   | 9.7  |  | <i>.</i>   |
| 1033                                   |                                  |  | 10.3                                    | 412                             | めいぶ                                     | 4.9  |  | <del>, , , , , , , , , , , , , , , , , , , </del>  |
|  |                                  |  |   |                                 |   |  |  |  |
|  |                                  |  |   |                                 |   |  |  |  |
|  |                                  |  | Arrosania (1900)                        |                                 |   | Milatinian managanan |  |  |
| Turbidity:                             | clear                            | moderate   | Sa                                      | mple Method                     | deng :                                  | composite  | (pump)   | bailer other   |
| (circle)                               | slight                           | very   |   | (describe)                      | -                                       | npiling - dedicate   |  |  |
|  | Field P.                         | arameters  |   |                                 | *************************************** |  |  |  |
|  | Sample                           | Duplicate  | Quantity                                | Size                            | Filler or Unfill.                       | s Collected  | Darawates  | Additional Makes   |
| ORP (mV)                               |                                  | Copacato   | 1                                       | 250 ml                          | For UF                                  | Preservative<br>NaOH   | Parameter<br>Total/WAD/Free  | Additional Notes   |
| DO (mg/i)                              |                                  |  | . 1                                     | 250 ml                          | F or UF                                 | Raw  | Fluoride   | 7 CIN  |
| ρΗ                                     | 8.3                              | 200  |   | ml                              | For UF                                  | 1/014  | LIGOTION   |  |
| SC (µmhos/cm)                          | 4/12                             |  |   | ml                              | For UF                                  |  |  | · · · · · · · · · · · · · · · · · · ·  |
| Turbidity (ntu)                        |                                  |  |   | VOA                             | F or UF                                 |  |  |  |
| H₂O Tmp. (°C)                          | 9.9                              |  |   | lra                             | For UF                                  | ·  |  |  |
| Color                                  |                                  | MATTER STATE OF THE STATE OF TH |   | ml                              | For UF                                  | / <del>//</del>  |  | American Control of the Control of t |
| Other:                                 | CONTRACTOR OF STREET             |  | 4400                                    | ml                              | F or UF                                 |  |  |  |
|  | -01                              | THE PARTY OF THE P |   | ml                              | F or UF                                 |  |  | drad   |
| Comments: 3                            | -257                             |  | <u> </u>                                |                                 | <del> </del>                            |  |  | Warte Long   |
|  |                                  |  |   |                                 |   |  | A STATE OF THE PARTY OF THE PAR |  |
| ************************************** |                                  |  |   | 1                               | /))                                     |  |  | NATIONAL DE LA CONTRACTION DEL CONTRACTION DE LA |
|  | 777                              |  |   | 1                               |   |  |  |  |
| Sample                                 | e Team Memb                      | er Signature: _  |   | - Land                          |   | **************************************   | Page   | / of /   |
|  |                                  |  |   |                                 | KMCP-2A (                               | DTW)   | 130.38   |  |

|                 | loject ivanie.   |  |               |                                   |                   | - ประสังเดยเกยเ  | Marie and Committee and Committee of the | SHADELING TO SHEET OF THE SHEET |   |
|-----------------|--|--|---------------|-----------------------------------|-------------------|--|--|--|---|
|                 |  | 9088.00, Phas  | e 002         |                                   | Sample G          | ode Number:  | VMCh-3R  |  |   |
| Sample Team     | ı Member(s):   | Chavez   |               |                                   |                   | Sample Date:   |  |  |   |
| Labo            | ratory Used:   | SVL Analytical   |               |                                   | 8                 | iample Time:   | 1157   | (n   | nililary)                               |
|                 |  |  |               |                                   | For Gra           | oundwater Sa   | <u>amples</u>  |  |   |
| If D            | uplicate Sam   | ple Collected,   | 1             |                                   | well volume       |  | AND THE RESERVE THE PROPERTY OF THE PROPERTY O | 0  |   |
|                 | Please Reco  | ord Below  |               |                                   | formula:          | V = (TD-SWL)x(I  | <u>Dia.²)</u> 25   | Commer   | រាទេ                                    |
| Dunlicate       | Sample Code #:   |  |               |                                   | TD (ft):          | 161.53   | \$1555\$>5556\$498684488485  | 2}2#4}+i+4+1+1+4++++++++++++++++++++++++++++   |   |
|                 | ate Sample Time:   |  |               |                                   | SWL (ft):         |  |  |  |   |
| Dupace          | ate Campio Timo.   |  |               | Cacino                            | Diameter (I.D.")  |  |  |  |   |
|                 | Olfa Con   | ditiono  |               | 4                                 |                   |  | · · · · · · · · · · · · · · · · · · ·  |  | l                                       |
| _               | Site Con   | <u>aitions</u>   |               | vvatei v                          | /olume (V) (gal): |  |  |  |   |
| Marri Ollar     | Yes (No )  | Dhala talaan   | Yes (No)      | Antualitat                        | x 3=(gal.)        |  | 75   |  |   |
| 11011 0110.     | - Caracara   | Photo taken:   | -,            | 8                                 | Removed (gal.)    | CHOWN CONTRACTOR OF THE CONTRA | The state of the s |  | ŀ                                       |
| Site Type:      | DRY  | surface water p  | process water | vvater                            | Lèvel Recovery:   | slow mode  | alate Taplu  |  |   |
|                 | ( monitoring v   | vel) domestic wel  | adit seep     | erzeráwicków odrzec // MEDINOROGO | <u>For S</u>      | Surface Wate   | <u>r Samples</u>   |  |   |
|                 | spring-other:  |  |               | Flow Metho                        | od: Marsh         | McBirney Volu  | métric Flume   | Weir Esti  | male                                    |
| Mooth           | ar Conditioner   | calgo/ (breeze   | windy         | Other Flow                        | or Descriptio     | nn'  |  |  |   |
| AAGGIII         | ar Containons.   | no precip. rair  | <i>)</i>      | 000000                            | or passingue      | /// <u></u>  |  |  | 30.412                                  |
|                 | _  | The Control of the Co |               | 5 3 3 3 5                         | 0.000.000.00      |  |  | 5 4 8 5 9  | 92.18                                   |
| A tu            |  | clear p. cloudy  |               | Flow:                             | 9 9 9 9 9 9       | ofs  | Staff Gage:  |  | 135087                                  |
| Ali             | Temperature:   |  |               |                                   | gpm               | UIS  | Olan Gage.   | (201 April 201 (201 (20)   |   |
|                 |  |  | Field Pa      | rameter Stal                      | oilization        |  | Section of the sectio |  |   |
|                 | Oxidation  |  |               | - *                               |                   | Tamana natura  | Additional Para  |  | or                                      |
| Time            | Reduction  | Dissolved  |               | S.C.                              | Purge Vol.        | Temperature  | ı  | Votes  |   |
| (military)      | Potential (mV)   | Oxygen (mg/l)  | pH            | (µmhos/cm)                        | (gal)             | (°C)   | 71.7.  | <i> </i>   |   |
| 1213            |  |  | 9,9           | 3560                              | 0.15              | 12.0   | 1.567  | 70/10  | r-t/                                    |
| 1220            | -,   | ļ  | 10,0          | 3580                              | 0.25              | 12.3   | F \  |  | ,                                       |
| 1225            |  |  | 10.D          | 35.20                             | 0.25              | 11.5   | r v  | 1 4  |   |
|                 |  |  |               |                                   |                   |  |  |  |   |
|                 |  |  |               |                                   |                   |  |  |  |   |
|                 |  |  |               |                                   |                   |  |  |  |   |
|                 |  |  |               |                                   |                   |  |  |  | *************************************** |
| Turbidity:      | dear   | moderate   | Sa            | mple Method                       | : grab            | composite  | pump   | bailer other   | er e                                    |
| (circle)        | slight   | very   | 7.            | (describe)                        |                   | pling - dedicate   |  |  |   |
| (01010)         | -  | •  |               | <b>,</b>                          |                   |  |  |  |   |
|                 |  | arameters  |               | •                                 | P(0)              | s Collected  |  | Additional   | Malaa                                   |
| i               | Sample   | Duplicate  | Quantity      | Size                              | Filter or Unfilt. | Preservative   | Parameter  |  | Notes                                   |
| ORP (mV)        |  |  | 1             | 250 ml                            |                   | NaOH   | Total/WAD/Free   | r CN   | -,,                                     |
| DO (mg/l)       |  |  | 1             | 250 ml                            | F or UF           | Raw  | Fluoride   |  |   |
| рН              | 10.0   |  |               | m!                                | F or UF           |  |  |  |   |
| SC (µmhos/cm)   | 3590   |  |               | ml                                | For UF            |  | <u> </u>   |  |   |
| Turbidity (ntu) |  |  |               | mi                                | F or UF           |  |  |  |   |
| H₂O Tmp. (°C)   | 11.5   |  |               | mi                                | For UF            |  |  |  |   |
| Color           | NATIONAL PROPERTY OF THE PROPE |  |               | mi                                | For UF            |  |  |  | mieter                                  |
| Other:          |  |  |               | ml                                | F or UF           |  |  |  |   |
|                 |  |  |               | ml                                | F or UF           |  |  | <u></u>  |   |
| Comments:       | ID 54  |  |               |                                   |                   |  |  |  | *************************************** |
|                 | The second secon |  |               |                                   |                   |  |  |  |   |
|                 |  |  |               |                                   | )                 |  |  |  |   |
|                 |  |  |               | 1                                 | -2                |  | reformations to a summariant and an advanced and a summariant and a summar | <del></del>  |   |
| Samp            | le Team Mem  | ber Signature:   |               | 4 - 600                           |                   |  | Page   | of   |   |
|                 |  |  | $\iota$       |                                   |                   | e ma more de es  | 106.4  | 18   |   |
|                 |  |  |               |                                   | KMœP≓3A (         | (WTCI)   | 1000   | _ 0'   |   |

|  | roject Name:                |  |                 |                    |                                       | Designation:   | THE RESIDENCE OF THE PARTY OF T | namanananananananananananananananananan | <u> Lamana esta de la constanta </u> |
|--|-----------------------------|--|-----------------|--------------------|---------------------------------------|--|--|---|--|
|  |                             | 9088.00, Phas                          | se 002          |                    | Sample C                              | ode Number:  | KMCP-4B  |   |  |
| Sample Tean  |                             |  |                 |                    |                                       | Sample Date:   |  |   |  |
| Labo   | ratory Used:                | <b>SVL Analytica</b>                   | 1               |                    | 8                                     | Sample Time:   | 2-29-  | 16                                      | (military)   |
|  |                             |  |                 |                    |                                       | oundwater Sa   |  |   |  |
| If D   | uplicate Sam                | ple Collected                          | <u>'</u>        |                    | well volume                           |  |  | Maidain, administration of              |  |
| <u></u>  | Please Rece                 |  | t.              |                    | formula:                              | V = (TD-SWL)x(I  | Dia. <sup>2</sup> ) 25   |   | mments   |
| Duplicate  | Sample Code #:              |  |                 |                    | TD /8\-                               | 160.59   |  | 444444444                               | .44114444444444444444444444444444444444  |
| · ·  | ate Sample Time:            | ************************************** |                 | i                  | 91AH 761-                             | 14/6   | C- C   | -                                       |  |
| Doblid   | ate cample inte.            |  |                 | Canina             |                                       |  | <u> </u>   | -                                       |  |
|  | Pita Can                    | ditions                                |                 |                    | <u>Dia</u> meter (I.D.*)              |  |  | -                                       |  |
|  | Site Con                    | <u>uitions</u>                         |                 | yyater v           | rolume (V) (gal);                     | <del></del>  |  | -                                       |  |
| New Site:  | Yes (No)                    | Photo taken:                           | Yes (No)        | Astual Val         | X 3≕(gal.)                            |  | The second secon | -                                       |  |
|  | · Santanana Anna            |  | -               |                    |                                       |  |  | -                                       |  |
| Site Type:   | UKT                         | surface water                          | process water   | Anater             | Level Recovery:                       |  |  | Zania sebesa ang sebesa                 |  |
|  | monitoring w                | vell domestic we                       | ll adit seep    |                    | <u>For S</u>                          | Surface Wate   | <u>r Samples</u>   |   |  |
|  | spring other:               |  |                 | Flow Meth          | od: Marsh                             | McBirney Volu  | metric Flume   | Weir                                    | Estimate   |
| Month  | er Conditions:              |  |                 |                    |                                       |  |  |   |  |
| vveatili   | er Conditions.              |  | 1               | Office LION        | or Description                        | /// <sub>/</sub> ///   |  | -10 AV 10 C                             |  |
|  |                             | no precip. rain                        | 1               |                    |                                       |  |  |   |  |
| Air  | Tomporatura                 | clear p. cloudy                        |                 | Flow:              |                                       |  | Stoff Coppe  |   |  |
|  | Temperature:                | <u> </u>                               |                 |                    | gpm                                   | cfs  | Staff Gage:  | 41616                                   |  |
|  |                             |  | <u>Field Pa</u> | rameter Stal       | ollization -                          | -  |  | OATOMOOTH PARTOMO                       | en e   |
| <b></b>  | Oxidation                   | Bt b d                                 |                 |                    |                                       | Temperature  | Additional Par   |   | זמ   |
| Time<br>(military)   | Reduction<br>Potential (mV) | Dissolved                              | au.             | S.C.<br>(µmhos/cm) | Purge Vol.                            | (°C)   |  | Notes                                   |  |
| /(35°  | Potential (IIIV)            | Oxygen (mg/l)                          | рН<br>В : 7     | <del></del>        | (gal)                                 | 11.2   | 1:561  | -7: //c                                 | 344  |
| (137   |                             |  | 9,1             | 1746               | 0.25                                  | 11.3   | 11.  | -7C/1                                   | · w  |
| 1140   |                             | l                                      | 9.2             | 1958               |                                       |  |  |   |  |
| 1143   |                             |  | 9.2             | 1916               | 0.25                                  | 11.3   |  | , .                                     |  |
| 1/70   |                             |  | 1.6-            | 110                | L/ L-3                                | // 13  |  |   |  |
|  |                             |  |                 |                    | · · · · · · · · · · · · · · · · · · · |  |  |   |  |
|  | )                           |  |                 |                    |                                       |  |  |   |  |
| T Lalia  |                             | <u> </u>                               | ^_              |                    |                                       |  |  |   |  |
| Turbidity:   | (Jear)                      | moderate                               | Sa              | mple Method        | •                                     | composile  | (pump)   |   | other  |
| (circle)   | slight                      | very                                   |                 | (describe)         | Low flow san                          | pling - dedicate   | a bladder pump   | <del>)</del>                            | **************************************   |
|  | <u>Field Pa</u>             | <u>arameters</u>                       |                 |                    | <u>Bottle</u>                         | s Collected  |  |   | (  |
| ı  | Sample                      | Duplicate                              | Quantity        | Size               | Filter or Unfilt.                     | Preservative   | Parameter  |   | onal Notes   |
| ORP (mV)   |                             |  | 1               | 250 ml             | For UF                                | NaOH   | Total/WAD/Free   | a CN                                    |  |
| DO (mg/l)  |                             |  | 1               | 250 ml             | F or UF                               | Raw  | Fluoride   |   | A  |
| Нq   | 9.2                         |  |                 | ml                 | For UF                                |  |  |   |  |
| SC (µmhos/cm)  | 1916                        |  |                 | ml                 | For UF                                |  |  | <u> </u>                                |  |
| Turbidity (ntu)  |                             |  |                 | m1                 | F or UF                               |  |  |   |  |
| H₂O Tmp. (°C)  | 11.3                        |  |                 | ml                 | F or UF                               |  |  |   | (4.50mm)   |
| Color  |                             |  |                 | ml                 | For UF                                |  |  |   |  |
| Other:   |                             |  |                 | mt                 | For UF                                |  |  |   |  |
| Trail .  | > (-//                      | <del></del>                            |                 | ml                 | For UF                                |  | ·  |   |  |
| Comments:  | ID Zel                      |  |                 |                    |                                       |  |  | ·                                       |  |
|  |                             | ************************************** |                 |                    |                                       |  | OMOONOWANAAAAA   | <del></del>                             |  |
| <del>etter kählet Tellin kiiksessinin kasimin kasimin kasimin kasimin kasimin ka</del> |                             | <u></u>                                |                 |                    | <del>)</del>                          |  |  |   | CONTRACTOR        |
| Compl  | a Toom Momb                 | ber Signature:                         |                 | - ( -              |                                       | og great skirter skirker skirter | Page   | *                                       | of I   |
| Saitibi  | e ream welli                | າວເ ວາ <u>ປ</u> ເເສເຕເສ. ຼ             |                 |                    |                                       |  | rage   |   | NI CONTRACTOR  |
|  |                             |  |                 |                    | KMCP-4A (                             | (DTW)  | 79.3   | Ļ                                       |  |

| F                    |                        | 9088.00, Phas                                   | se 002   |                           | Sample Co                    | Designation:<br>ode Number:  | KMCP-5B  |  |
|----------------------|------------------------|---|--|---------------------------|------------------------------|--|--|--|
| Sample Tean          | n Member(s):           | Chavez  |  |                           | 8                            | Sample Date:   | 2-29-  |  |
| ะสมด                 | ratory Osea:           | SVL Analytica                                   |  |                           |                              | iample Time:<br>oundwater Sa   | <b>41</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   | (military)   |
| lf D                 | Suplicate Sam          | ple Collected                                   | •  |                           | well volume                  |  |  |  |
| <del></del>          | Please Rec             |   | •  |                           | formula:                     | V = (TD-SWL)x(t)   | <u>Dia,²)</u> 25   | Comments   |
| Duplicate            | Sample Code #:         |   | TA SOUTH HE WAS IN THE SOUTH TO SOUTH THE SOUT |                           | TD (ft):                     | 152.39   | 1471568427375662155566666666   |  |
| Duplic               | ate Sample Time:       |   |  |                           | SWL (ft):                    | 143.   |  |  |
|                      | Site Con               | ditions   | ,  | Water \                   | /olume (V) (gal):            |  | <br>   |  |
| New Site:            | Yes (No)               | Photo taken:                                    | Yes No   | Actual Vol                | x 3≃(gai,)<br>Removed (gal.) |  | - Augustus - Marie - M | ·  |
| Site Type:           | - 30 <u>-</u>          |   | process water  | Water                     | Level Recovery:              | slow mode  | erate rapid  | 1  |
|                      | (monitoring y          | vell) domestic we                               | li adit seep   |                           | For S                        | Surface Wate   | r Samples  |  |
| ]                    | spring- other:         |   |  | Flow Meth                 | od: Marsh                    | McRimey Volu   | metric Flume   | Weir Estimate  |
| Meath                | er Conditions:         |   | e windy  |                           | or Description               |  |  |  |
| VVCatti              | or containons.         | no precip. rair                                 |  |                           | i di Eddanipik               | "  |  |  |
|                      | (                      | clear p. cloudy                                 |  |                           |                              |  |  | \$ 53.9 B 3 C 4.   |
| <u> Air</u>          | Temperature:           | °C  | 42 °F  | Flow:                     | gpm                          | cís  | Staff Gage:  |  |
|                      |                        |   | Field Pa   | rameter Sta               | oilization_                  |  |  |  |
| Times                | Oxidation<br>Reduction | Dissolved                                       |  | S.C.                      | Purge Vol.                   | Temperature  | Additional Para  | ameters o<br>Notes   |
| Time<br>(military)   | Potential (mV)         | Oxygen (mg/l)                                   | pН   | (µmhos/cm)                | (gai)                        | (°C)   | '  |  |
| 934                  |                        |   | 8,6  | 4166                      | 025                          | 7.5  | Clea.  |  |
| 940                  |                        |   | 8.3  | 4/4/5-                    | 0°45                         | 8.4  | //   |  |
| 945                  |                        |   | 813  | 447                       | 025                          | <u> 5.3</u>  | / *  |  |
| ्र ४५                |                        |   | 8.3  | 446                       | a.25                         | F.5  | //   |  |
|                      | <del></del>            |   | <del>yang) winih Bid</del>   |                           |                              |  |  |  |
|                      |                        |   |  |                           |                              |  |  |  |
| Turbidity:<br>(drde) | clear<br>slight        | moderate<br>Very                                | Sa   | mple Method<br>(describe) |                              | composite<br>opling - dedicate   | pump<br>d bladder pump   | bailer other   |
|                      | Field P                | arameters                                       |  |                           | Bottle                       | s Collected  |  |  |
|                      | Sample                 | Duplicate                                       | Quantily   | Size                      | Filter or Unfill.            |  | Parameter  | Additional Notes   |
| ORP (mV)             |                        |   | 1  | 250 ml                    | UF                           | NaOH   | Total/WAD/Free   | CN   |
| DO (mg/l)            |                        |   | 1  | 250 m)                    | UF                           | Raw  | Fluoride   |  |
| pΗ<br>SC (μmhos/cm)  | 446                    |   |  |                           |                              |  |  |  |
| Turbidity (ntu)      | 779                    |   |  | - <del>745-77.0</del>     |                              |  |  |  |
| H₂O Tmp. (°C)        | 8.5                    |   |  | ml                        | For UF                       |  |  |  |
| Color                |                        |   |  | ml                        | F or UF                      |  |  |  |
| Other:               |                        |   |  | ml                        | For UF                       |  | <u></u>  | and the surface of th |
| Comments:            | TNC0                   |   |  | ml ml                     | F or UF                      |  |  |  |
| Comments.            | 2-20                   | armirania — helichilista de Malineria a a a a a | and the second second  |                           |                              |  | W. C. WARRINGTON CO. W. | Horning and all the second and a   |
|                      |                        |   |  |                           | XI                           |  |  |  |
|                      |                        |   |  | 41,                       |                              |  |  | Management   |
| Samp                 | ie Team Memi           | ber Signature: <sub>-</sub>                     |  | كالنك                     | Kaa-x                        | A STATE OF THE STA | Page   |  |
|                      |                        |   |  |                           | KMCP-5A (                    | DTW)   | 94.97  | •  |

Report to Company:

Contact Address:

# CHAIN OF CUSTODY RECORD

SVI, Analytical, Inc. • One Government Guich • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

Invoke Sent To:

Address:

Phone Number. FAX Number: Corn PO#:

Phone Number: 208 660 8548

W & COOSZ FOR SAL USE ONLY SML JOB#

8,0 TEMP on Receipt

1 = Surface Water, 2 = Ground Water Table I. - Matrix Type

3 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil 8 = Waste, 9 = Odher:

| Project Name. Knisce Mead | nature:                       |                     | Comments                              |                                       |                       |          |
|---------------------------|-------------------------------|---------------------|---------------------------------------|---------------------------------------|-----------------------|----------|
| Project                   | Sampler's Signature:          | Amelinean Demissand | manipas cachena                       | <i></i>                               | 2                     | <i>Q</i> |
| FAX Number:               | MCF. COM POR.                 |                     |                                       |                                       | Misc. Preservative(s) |          |
| 7 7 7 7                   | MAGINA                        |                     | γ'''''''''''''''''''''''''''''''''''' | le origination:                       | Collection            |          |
| FAX Number:               | E-mailty Chauce Les hydrometr |                     |                                       | Indicate State of sample origination: | Sample ID             |          |

|   |                |                             |                            |                               |                           |                             |      |                 |                 | \/;         |              |                       | -                        |                |         |               |     |
|---|----------------|-----------------------------|----------------------------|-------------------------------|---------------------------|-----------------------------|------|-----------------|-----------------|-------------|--------------|-----------------------|--------------------------|----------------|---------|---------------|-----|
| Sample ID   | Collection     | tion                        | Misc.                      | L                             | ድ                         | Preservative(s)             | (S)  |                 |                 | ,           |              |                       |                          |                |         |               |     |
| Please take care to distinguish between:  1 and 1 2 and 2 5 and 2 5 and 0 Thanks! | Date T         | Fi<br>Collected by: (Init.) | Matrix Type (From Table 1) | No. of Containers Unpreserved | HNO <sub>3</sub> Filtered | HNO <sub>2</sub> Unfiltered | HOªN | Other (Specify) | F-1201,08@      | 10401 & WAD | NO 2214      |                       | Rush Instructions (Days) |                |         | ·             |     |
| 1 Km-4  | 3-2-16 1026 PC | 26 Feb                      | 7                          | 7                             |                           |                             | 7    |                 | 7               | 7           | 7            |                       | -                        |                |         |               | ı   |
| 8   |                |                             |                            |                               |                           | +<br>                       | -    |                 |                 |             | <u> </u><br> |                       |                          |                |         |               | 1   |
| 42-M  | 8-2-16 1150 AC | 8                           | _                          | 9                             |                           | -                           | 7    |                 | 7               | 2           |              |                       | +                        |                | -       |               |     |
| 4 (4-2326   | 7 (            | (202)                       | _                          | 7                             |                           |                             | 2    |                 | 7               | 7           |              |                       | -                        |                |         |               | 1   |
| 561-11  | 1 12           | 1224 (                      | -                          | 9                             |                           |                             | >    |                 | 7               | 7           |              |                       | -                        |                |         |               |     |
| ο.  |                |                             |                            |                               |                           |                             |      |                 |                 |             |              |                       |                          |                |         |               |     |
| 0   |                |                             |                            |                               |                           |                             |      |                 |                 |             |              |                       |                          |                |         |               | T   |
|   |                |                             |                            | -                             |                           |                             | -    |                 |                 |             |              |                       |                          |                |         |               | ΙΤ  |
|   |                |                             |                            | _                             | 1                         |                             |      |                 |                 |             |              |                       |                          |                |         |               |     |
| Polimental back   |                | -                           |                            |                               | •                         |                             | _    |                 |                 |             |              |                       |                          | a3/a3/16 08:00 | , OS: O |               |     |
| Reformation by  |                | 1                           | 3-16                       |                               | 8,                        | - 1                         |      | 1               | 3               | 2           | 0            | Construct             | ١                        | 91/20/20       | -       | 330           |     |
| 1401611   |                | des                         | 3/16                       |                               | 8                         | Received by                 |      | K               | 4               | ١           |              |                       | <u>й</u>                 | 5/3/16         | Time.   | 30            | Г   |
| * Sample Reject()   | asodsia [      | Store (30 Days              | (Skeg c                    |                               |                           |                             |      | White           | White: LAB COPY | λď          | Yellow: CU   | Yellow: CUSTOMER COPY |                          |                |         | SVL-COC 01/14 | [ ] |

SVL-COC 01/14

## SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

| (tem | Description   | ٧       | VC           | NV      | NA | GW, SW<br>Comments                   |
|------|---|---------|--------------|---------|----|--------------------------------------|
| 1    | Client or project name  |         |              | ļ       |    |                                      |
| 2    | Date and time of receipt at lab                                   | -       |              | <b></b> |    | Hydrometrics, Inc CDA<br>3-2-16 1336 |
| 3    | Received by   |         | <del> </del> |         |    | 명                                    |
| 4    | Temperature blank or cooler temperature                           |         |              |         |    | Temp. 8 °C. 76°C (Q6)                |
| 5    | Were the sample(s) received on ice                                |         |              |         |    | Yes                                  |
| 6    | Custody tape/bottle seals   | <u></u> |              |         |    | 7                                    |
| 7    | Condition of samples upon receipt (leaking; bubbles in VOA vials  |         |              |         |    | V                                    |
| 8    | Sample numbers/IDs agree with<br>COC                              |         |              |         |    | ·                                    |
| 9    | Sample date & time agree with<br>COC                              |         |              |         |    |                                      |
| .0   | Number of containers for each sample                              |         |              |         |    |                                      |
| 1    | The correct preservative for the analysis requested               |         |              |         |    | Cool NaOd pres. by Cli               |
| 2    | Did an SVL employee preserve sample(s) upon receipt               |         |              |         |    |                                      |
| 2    | Type of container for each sample / volume received               |         | -            |         |    |                                      |
| .3   | Analysis requested for each sample                                |         |              |         |    |                                      |
| 4    | Sample matrix description   |         |              |         |    |                                      |
| 5    | COC properly completed & legible                                  |         |              |         |    |                                      |
| 6    | Corrections properly made (Initials & date)                       |         |              |         |    |                                      |
| 7    | Additional comments or records of sample condition or treatment   |         |              |         |    | Fluncida (4)                         |
|      | (unlisted or missing samples at laboratory, aliquot taken, sample |         |              | i       |    | KLG Total & WAD CN (4)               |
| 1    | hold, samples subcontracted,                                      |         |              |         |    | Total & WAD CN (4)                   |
|      | communications between client and laboratory)                     |         |              |         |    | Free CN()                            |
| 3    | Shipper's air bili  |         |              |         |    |                                      |

# CHAIN OF CUSTODY RECORD

SVI. Analytical, Inc. • One Government Gulch • Kellogg, ID 83837 • (208) 784-1258 • FAX: (208) 783-0891

Invoice Sent To:

Report to Company: Hydlometo's

Address: Contract

WECOOLL

FOR SVI, USE ONLY SVI, JOB#

5 TEMP on Receipt

rable 1. - Matrix Type

1 = Soil, 4 = Sediment, 5 = Rock, 6 = Rinsate, 7 = Oil I = Surface Water, 2 = Ground Water

8 = Weste, 9 = Other.

Project Name: Kailer

FAX Number: Phone Number.

Phone Number: 209-660-954 B

FAX Number:

Address:

Comments Sampler's Signature: Analyses Required E-mail: ac havez-(a hydromoctors 10m PO#

7 Rush Instructions (Days) Other (Specify) HOSN 'OS'H HCI HMO<sub>3</sub> Unfiltered HNO<sub>3</sub> Filtered Unpreserved S Vo. of Containers Misc. Vatrix Type (From Table 1) Indicate State of sample origination: 2-29-81540 AC Collected by: (Init.) 225 1418 1453 6011 1033 1343 ħ50 Time Collection Date Please take care to distinguish between: and H and Z and S Ø Ø FMC1-2 Sample ID TACP-3 エスちゅ TROP -1 アストク えん バメ かえい Thanks!

SVL-COC 01/14

1300

Date 0,3 /02/ 10/20 and

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Store (30 Days)

Dispose

Return

Sample Reject:

inquished by.

SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information. Date of acceptance: 03/01/16 SVL Work No: W6C0012 Comments Katser Mead Description Item Client or project name 1 Date and time of receipt at lab 2 3 Received by Temperature blank or cooler 4 temperature Were the sample(s) received on 5 Custody tape/bottle seals 6 7 Condition of samples upon receipt (leaking; bubbles in VOA vials Sample numbers/IDs agree with 8 COC Sample date & time agree with 9 Number of containers for each 10 sample Cool Naof pres by client The correct preservative for the 11 analysis requested Did an SVL employee preserve 12 sample(s) upon receipt Type of container for each 12 sample / volume received Analysis requested for each 13 sample Sample matrix description 14 15 COC properly completed & legible Corrections properly made 16 (initials & date) Kig: CN; Total, WAD, Free CN 10 Additional comments or records 17 of sample condition or treatment (unlisted or missing samples at laboratory, aliquot taken, sample hold, samples subcontracted, communications between client and laboratory) Shipper's air bill WALK-IN 18 NV-Not Verified NA- Not Applicable VC- Verified Corrections Made V- Verified Additional Comments:

|   |  | • |  |
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One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1258

Fax (208) 783-0891

Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012 Reported: 15-Mar-16 11:40

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| KM-I      | W6C0012-01    | Ground Water | 29-Feb-16 15:40 | AC         | 01-Mar-2016   |       |
| KM-2      | W6C0012-02    | Ground Water | 29-Feb-16 13:43 | AC         | 01-Mar-2016   |       |
| KM-3      | W6C0012-03    | Ground Water | 29-Feb-16 08:54 | AC         | 01-Mar-2016   |       |
| KM-5      | W6C0012-04    | Ground Water | 29-Feb-16 14:18 | AC         | 01-Mar-2016   |       |
| KM-6      | W6C0012-05    | Ground Water | 29-Feb-16 14:53 | AC         | 01-Mar-2016   |       |
| KMCP-1B   | W6C0012-06    | Ground Water | 29-Feb-16 11:09 | AC         | 01-Mar-2016   |       |
| KMCP-2B   | W6C0012-07    | Ground Water | 29-Feb-16 10:33 | AC         | 01-Mar-2016   |       |
| KMCP-3B   | W6C0012-08    | Ground Water | 29-Feb-16 12:25 | AC         | 01-Mar-2016   |       |
| KMCP-4B   | W6C0012-09    | Ground Water | 29-Feb-16 11:43 | AC         | 01-Mar-2016   |       |
| KMCP-5B   | W6C0012-10    | Ground Water | 29-Feb-16 09:49 | AC         | 01-Mar-2016   |       |

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

| ~    | ~ T     |     |
|------|---------|-----|
| 1000 | Marrati | 170 |

SVL is not accredited in the State of WA for WAD CN in non-potable water.



Berby Gray

(208) 784-1258 One Government Gulch - PO Box 929 Kellogg ID 83837-0929 Fax (208) 783-0891

Hydrometries Inc. - CDA Project Name: Kaiser Groundwater 2015 2736 White Pines Drive Coeur d Alene, ID 83815

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-1 SVL Sample ID: W6C0012-01 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 15:40 Received: 01-Mar-16

|                | SVL Sample ID: W6C001 | 2-01 (Ground | Water) | Sa     | mple Report | Page 1 of 1 |         | Samp    | led By: AC     |       |
|----------------|-----------------------|--------------|--------|--------|-------------|-------------|---------|---------|----------------|-------|
| Method         | Analyte               | Result       | Units  | RL     | MDL         | Dilution    | Batch   | Analyst | Analyzed       | Notes |
| Classical Chem | istry Parameters      |              |        |        | 1           |             |         |         |                |       |
| ASTM D7237     | Cyanide (free) @ pH 6 | 0.332        | mg/L   | 0.0100 | 0.0011      |             | W611071 | MAD     | 03/09/16 11:54 |       |
| EPA 335.4      | Cyanide (total)       | 45.0         | mg/L   | 5.00   | 2.20        | 500         | W610188 | MAD     | 03/08/16 11:22 | D2,M3 |
| SM 4500-CN-I   | Cyanide (WAD)         | 0.956        | mg/L   | 0.100  | 0.0260      | 10          | W610187 | MAD     | 03/08/16 13:02 | D2    |
| Anions by Ion  | Chromatography        |              |        |        |             |             |         |         |                |       |
| EPA 300,0      | Fluoride              | 73.6         | mg/L   | 5.00   | 2.05        | 50          | W611061 | DŦ      | 03/14/16 19:48 | D2    |
|                |                       |              |        |        |             |             |         |         |                |       |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Kirby Gray

**Technical Director** 



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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-2

SVL Sample ID: W6C0012-02 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 13:43 Received: 01-Mar-16 Sampled By: AC

|                  | SAT Sample ID. MOCOOL | 2-02 (Giodiia | ****** |        | mpie wepoi i | ragerori |         | Sampi   | ed By: AC      |       |
|------------------|-----------------------|---------------|--------|--------|--------------|----------|---------|---------|----------------|-------|
| Method           | Analyte               | Result        | Units  | RL     | MDL          | Dilution | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters       |               |        |        |              |          |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | 1.73          | mg/L   | 0.0500 | 0.0110       | 10       | W611071 | MAD     | 03/09/16 12:35 | D2    |
| EPA 335.4        | Cyanide (total)       | 97.1          | mg/L   | 5.00   | 2.20         | 500      | W610188 | MAD     | 03/08/16 11:24 | D2    |
| SM 4500-CN-I     | Cyanide (WAD)         | 4,19          | mg/L   | 0.100  | 0.0260       | 10       | W610187 | MAD     | 03/08/16 13:04 | D2    |
| Anions by Ion C  | hromatography         |               |        |        |              |          |         |         |                |       |
| EPA 300.0        | Fluoride              | 15.5          | mg/L   | 2.50   | 1.02         | 25       | W611061 | DT      | 03/14/16 20:04 | D2    |
|                  |                       |               |        |        |              |          |         |         |                |       |

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Berby Gray



Berby Gray

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Hydrometrics Inc. - CDA

2736 White Pines Drive

Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Coeur d Alene, ID 83815 Reported: 15-Mar-16 11:40

Client Sample ID: KM-3

SVL Sample ID: W6C0012-03 (Ground Water) Sample Report Page 1 of 1

Sample Report Page 1 of 1 Received: 01-Mar-16
Sampled By: AC

Sampled: 29-Feb-16 08:54

|                  |                       |          |       |        | h.o zrehore | - "BV - V |         | oambi   | ou by. AC      |       |
|------------------|-----------------------|----------|-------|--------|-------------|-----------|---------|---------|----------------|-------|
| Method           | Analyte               | Result   | Units | RL     | MDL         | Dilution  | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters       |          |       |        |             |           |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | < 0.0100 | mg/L  | 0,0100 | 0.0011      |           | W611071 | MAD     | 03/09/16 11:58 |       |
| EPA 335.4        | Cyanide (total)       | < 0.0100 | mg/L  | 0.0100 | 0.0044      |           | W610188 | MAD     | 03/08/16 11:26 |       |
| SM 4500-CN-I     | Cyanide (WAD)         | < 0.0100 | mg/L  | 0.0100 | 0.0026      |           | W610187 | MAD     | 03/08/16 13:06 |       |
| Anions by Ion C  | hromatography         | •        |       |        |             |           |         |         |                |       |
| EPA 300.0        | Fluoride              | < 0.100  | mg/L  | 0.100  | 0.041       |           | W611061 | DT      | 03/14/16 20:20 |       |
|                  |                       |          |       |        |             |           |         |         |                |       |

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Kirby Gray

**Technical Director** 



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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KM-5

SVL Sample ID: W6C0012-04 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 14:18 Received: 01-Mar-16

Sampled By: AC

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|------------------|------------------------|---------------|-------|--------|--------------|-------------|---------|---------|----------------|-------|
| Method           | Analyte                | Result        | Units | RL     | MDL          | Dilution    | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters        |               |       |        |              |             |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6  | 0.490         | mg/L  | 0.0100 | 0.0011       |             | W611071 | MAD     | 03/09/16 12:00 |       |
| EPA 335.4        | Cyanide (total)        | 83.7          | mg/L  | 5.00   | 2.20         | 500         | W610188 | MAD     | 03/08/16 11:28 | D2    |
| SM 4500-CN-I     | Cyanide (WAD)          | 1.02          | mg/L  | 0.100  | 0.0260       | 10          | W610187 | MAD     | 03/08/16 13:08 | D2    |
| Anions by Ion C  | hromatography          |               |       |        |              |             |         |         |                |       |
| EPA 300,0        | Fluoride               | 59.7          | mg/L  | 5,00   | 2.05         | 50          | W611061 | DŦ      | 03/14/16 21:08 | D2    |
|                  |                        |               |       |        |              |             |         |         |                |       |

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Berby Gray



Coeur d Alene, ID 83815

Birty Gray

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Hydrometrics Inc. - CDA Project Name: Kaiser Groundwater 2015 2736 White Pines Drive

Work Order: W6C0012 Reported: 15-Mar-16 11:40

Client Sample ID: KM-6

SVL Sample ID: W6C0012-05 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 14:53 Received: 01-Mar-16 Sampled By: AC

| _  |               | •      |       |        |        |          |         | oamp    | ice by. AC     |                   |
|----|---------------|--------|-------|--------|--------|----------|---------|---------|----------------|-------------------|
| y  | te            | Result | Units | RL     | MDL    | Dilution | Batch   | Analyst | Analyzed       | Notes             |
| e  | ers           |        |       | •      |        |          |         |         |                |                   |
| ie | (free) @ pH 6 | 0.565  | mg/L  | 0.0100 | 0.0022 | 2        | W611071 | MAD     | 03/09/16 12:37 | D2                |
| ie | (total)       | 97.8   | mg/L  | 5.00   | 2.20   | 500      | W610188 | MAD     | 03/08/16 11:30 | D2                |
| le | (WAD)         | 1.58   | mg/L  | 0.100  | 0.0260 | 10       | W610187 | MAD     | 03/08/16 13:10 | D2                |
| ij | ohy           |        |       |        | 16     |          |         |         |                |                   |
| i  |               | 52.8   | mg/L  | 5,00   | 2.05   | 50       | W611061 | DT      | 03/14/16 21:24 | D2                |
| ic |               | 52.8   | mg/L  | 5,00   | 2,05   | 50       | W611061 |         | DT             | DT 03/14/16 21:24 |

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designce.



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Hydrometries Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-1B

SVL Sample ID: W6C0012-06 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 11:09 Received: 01-Mar-16

Sampled By: AC

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|------------------|-----------------------|---------------------|-------|--------|--------------|---------------|---------|---------|----------------|-------|
| Method           | Analyte               | Result              | Units | RL     | MDL          | Dilution      | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters       |                     |       |        |              |               |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | 0.0170              | mg/L  | 0.0100 | 0.0011       |               | W611071 | MAD     | 03/09/16 12:04 |       |
| EPA 335.4        | Cyanide (total)       | 0.197               | mg/L  | 0.0100 | 0.0044       |               | W610188 | MAD     | 03/08/16 11:38 |       |
| SM 4500-CN-I     | Cyanide (WAD)         | 0.0210              | mg/L  | 0.0100 | 0.0026       |               | W610187 | MAD     | 03/08/16 13:12 |       |
| Anions by Ion C  | hromatography         |                     |       |        |              |               |         |         |                |       |
| EPA 300.0        | Fluoride              | 0.670               | mg/L  | 0.100  | 0.041        | ,             | W611061 | DT      | 03/14/16 22:11 |       |
|                  |                       |                     |       |        |              |               |         |         |                |       |

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Birly Gray



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(208) 784-1258

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Sampled By: AC

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-2B

SVL Sample ID: W6C0012-07 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 10:33 Received: 01-Mar-16

| Analyte               | Result  | Units   | RL  | MDL                   | Dilution              | Batch                                   | Analyst   | Analyzed              | Notes                 |
|-----------------------|---|---|---|-----------------------|-----------------------|---|---|-----------------------|-----------------------|
| try Parameters        |   |   |   |                       |                       |   |   |                       |                       |
| Cyanide (free) @ pH 6 | < 0.0100  | mg/L  | 0.0100  | 0.0011                |                       | W611071                                 | MAD   | 03/09/16 12:12        |                       |
| Cyanide (total)       | 0,0680  | mg/L  | 0.0100  | 0.0044                |                       | W610188                                 | MAD   | 03/08/16 11:40        |                       |
| Cyanide (WAD)         | 0.0120  | mg/L  | 0.0100  | 0.0026                |                       | W610187                                 | MAD   | 03/08/16 13:14        |                       |
| hromatography         |   |   |   |                       |                       |   |   |                       |                       |
| Fluoride              | 0.452   | mg/L  | 0.100   | 0.041                 |                       | W611061                                 | DT  | 03/14/16 22:43        |                       |
|                       | stry Parameters  Cyanide (free) @ pH 6  Cyanide (total)  Cyanide (WAD)  hromatography | ctry Parameters  Cyanide (free) @pH 6 < 0.0100  Cyanide (total) 0.0680  Cyanide (WAD) 0.0120  Aromatography | try Parameters  Cyanide (free) @ pH 6 < 0.0100 mg/L Cyanide (total) 0.0680 mg/L Cyanide (WAD) 0.0120 mg/L hromatography | Cyanide (free) @ pH 6 | Cyanide (free) @ pH 6 | try Parameters    Cyanide (free) @ pH 6 | Stry Parameters           Cyanide (free) @ pH 6         < 0.0100         mg/L         0.0100         0.0011         W611071           Cyanide (total)         0.0680         mg/L         0.0100         0.0044         W610188           Cyanide (WAD)         0.0120         mg/L         0.0100         0.0026         W610187           hromatography | Cyanide (free) @ pH 6 | Cyanide (free) @ pH 6 |

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Kellogg ID 83837-0929

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815

Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-3B

Sample Report Page 1 of 1

Sampled: 29-Feb-16 12:25 Received: 01-Mar-16

|                  | SVL Sample ID: W6C001 | 2-08 (Ground | Water) | Sample Report Page 1 of 1 |        |          |         | Sampl   | ,              |       |
|------------------|-----------------------|--------------|--------|---------------------------|--------|----------|---------|---------|----------------|-------|
| Method           | Analyte               | Result       | Units  | RL                        | MDL    | Dilution | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters       |              |        |                           |        |          |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | 1,59         | mg/L   | 0.0500                    | 0,0110 | 10       | W611071 | MAD     | 03/09/16 12:14 | D2    |
| EPA 335.4        | Cyanide (total)       | 60.7         | mg/L   | 5.00                      | 2.20   | 500      | W610188 | MAD     | 03/08/16 11:42 | D2    |
| SM 4500-CN-I     | Cyanide (WAD)         | 2.05         | mg/L   | 0.100                     | 0.0260 | 10       | W610187 | MAD     | 03/08/16 13:22 | D2    |
| Anions by Ion C  | hromatography         |              |        |                           |        |          |         |         |                |       |
| EPA 300,0        | Fluoride              | 30.0         | mg/L   | 2.50                      | 1.02   | 25       | W611061 | DT      | 03/14/16 22:59 | D2    |
|                  |                       |              |        |                           |        |          |         |         |                |       |

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-4B

SVL Sample ID: W6C0012-09 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 11:43 Received: 01-Mar-16

Sampled By: AC

|                  | -                     | •      | •     |        |        |          |         | Samp    | willy. No      |       |
|------------------|-----------------------|--------|-------|--------|--------|----------|---------|---------|----------------|-------|
| Method           | Analyte               | Result | Units | RL     | MDL    | Dilution | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters       |        |       |        |        |          |         | ,       |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6 | 1.15   | mg/L  | 0.0500 | 0.0110 | 10       | W611071 | MAD     | 03/09/16 12:39 | D2    |
| EPA 335.4        | Cyanide (total)       | 29.3   | mg/L  | 5,00   | 2.20   | 500      | W610188 | MAD     | 03/08/16 11:44 | D2    |
| SM 4500-CN-I     | Cyanide (WAD)         | 1.28   | mg/L  | 0.100  | 0.0260 | 10       | W610187 | MAD     | 03/08/16 13:24 | Đ2    |
| Anions by Ion Cl | hromatography         |        |       |        |        |          |         |         |                |       |
| EPA 300.0        | Fluoride              | 15,5   | mg/L  | 1.00   | 0.410  | 10       | W611061 | DŦ      | 03/14/16 23:15 | D2    |
|                  |                       |        | •     |        |        |          |         |         |                |       |

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815 Project Name: Kaiser Groundwater 2015

Work Order: W6C0012

Reported: 15-Mar-16 11:40

Client Sample ID: KMCP-5B

SVL Sample ID: W6C0012-10 (Ground Water)

Sample Report Page 1 of 1

Sampled: 29-Feb-16 09:49 Received: 01-Mar-16

Received: 01-1

|                  | SAT Samble ID. MACCOLL | z-iv (Ground | water, | i i i  | mbie rehord | Tuge x or 1 |         | Sampi   | ea By: AC      |       |
|------------------|------------------------|--------------|--------|--------|-------------|-------------|---------|---------|----------------|-------|
| Method           | Analyte                | Result       | Units  | RL.    | MDL         | Dilution    | Batch   | Analyst | Analyzed       | Notes |
| Classical Chemis | stry Parameters        |              |        |        |             |             |         |         |                |       |
| ASTM D7237       | Cyanide (free) @ pH 6  | 0.0120       | mg/L   | 0.0100 | 0.0011      |             | W611071 | MAD     | 03/09/16 12:18 |       |
| EPA 335.4        | Cyanide (total)        | 0.132        | mg/L   | 0.0100 | 0.0044      |             | W610188 | MAD     | 03/08/16 11:46 |       |
| SM 4500-CN-I     | Cyanide (WAD)          | 0.0170       | mg/L   | 0.0100 | 0,0026.     |             | W610187 | MAD     | 03/08/16 13:26 |       |
| Anions by Ion C  | hromatography          |              |        |        |             |             |         |         |                |       |
| EPA 300.0        | Fluoride               | 0.134        | mg/L   | 0.100  | 0.041       |             | W611061 | DT      | 03/14/16 23:30 |       |
|                  |                        |              |        |        |             |             |         |         |                |       |

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Hydrometrics Inc. - CDA 2736 White Pines Drive Coeur d Alene, ID 83815

Project Name: Kaiser Groundwater 2015

Work Order: **W6C0012** Reported: 15-Mar-16 11:40

| Quality Contr  | ol - BLANK Data          |       |          |        |        |          |           |       |
|----------------|--------------------------|-------|----------|--------|--------|----------|-----------|-------|
| Method         | Analyte                  | Units | Result   | MDL    | MRL    | Batch ID | Analyzed  | Notes |
| lassical Chem  | istry Parameters         |       |          |        |        |          |           |       |
| ASTM D7237     | Cyanide (free) @ pH<br>6 | mg/L  | <0.0100  | 0.0011 | 0.0100 | W611071  | 09-Mar-16 |       |
| EPA 335.4      | Cyanide (total)          | mg/L  | < 0.0100 | 0.0044 | 0.0100 | W610188  | 08-Mar-16 |       |
| SM 4500-CN-I   | Cyanide (WAD)            | mg/L  | < 0.0100 | 0.0026 | 0.0100 | W610187  | 08-Mar-16 |       |
| nions by Ion ( | Chromatography           |       |          |        |        |          |           |       |
| PA 300.0       | Fluoride                 | mg/L  | <0.100   | 0.041  | 0.100  | W611061  | 14-Mar-16 |       |

| Same's Court   | ol - LABORATORY CO       | INTRODUCE. |               | 1.00        | •         |                      |          |           |       |
|----------------|--------------------------|------------|---------------|-------------|-----------|----------------------|----------|-----------|-------|
| Method         | Analyte                  | Units      | LCS<br>Result | LCS<br>True | %<br>Rec. | Acceptance<br>Limits | Batch ID | Analyzed  | Notes |
| Classical Chem | istry Parameters         |            |               |             |           |                      |          |           |       |
| ASTM D7237     | Cyanide (free) @ pH<br>6 | mg/L       | 0.152         | 0.150       | 101       | 90 - 110             | W611071  | 09-Mar-16 |       |
| EPA 335.4      | Cyanide (total)          | mg/L       | 0.141         | 0.150       | 94.0      | 90 - 110             | W610188  | 08-Mar-16 |       |
| SM 4500-CN-I   | Cyanide (WAD)            | mg/L       | 0.139         | 0.150       | 92.7      | 90 - 110             | W610187  | 08-Mar-16 |       |
| nions by Ion C | Chromatography           |            |               |             |           |                      |          |           |       |
| EPA 300.0      | Fluoride                 | mg/L       | 1.95          | 2.00        | 97.4      | 90 - 110             | W611061  | 14-Mar-16 |       |

| Method         | Analyte                  | Units    | Spike<br>Result | Sample<br>Result (R) | Spike<br>Leve  | )<br>  (S) | %<br>Rec. | Acceptance<br>Limits | Batch ID | Analyzed  | Notes |
|----------------|--------------------------|----------|-----------------|----------------------|----------------|------------|-----------|----------------------|----------|-----------|-------|
| lassical Chem  | istry Parameters         |          |                 |                      |                |            |           |                      |          |           |       |
| ASTM D7237     | Cyanide (free) @ pH<br>6 | mg/L     | 0,444           | 0,332                | 0,100          | •          | 112       | 79 - 121             | W611071  | 09-Mar-16 |       |
| PA 335,4       | Cyanide (total)          | mg/L     | 46.1            | 45.0                 | 0.100          | •          | R > 4S    | 90 - 110             | W610188  | 08-Mar-16 | D2,M3 |
| PA 335.4       | Cyanide (total)          | mg/L     | 0.0950          | < 0.0100             | 0.100          | +          | 95.0      | 90 - 110             | W610188  | 08-Mar-16 |       |
| M 4500-CN-I    | Cyanide (WAD)            | mg/L     | 0,290           | 0,201                | 0.100          | •          | 89.0      | 75 - 125             | W610187  | 08-Mar-16 |       |
| nions by Ion ( | Chromatography           |          |                 |                      |                |            |           |                      |          |           |       |
| PA 300.0       | Fluoride                 | mg/L     | 2.00            | <0.100               | 2.00           |            | 95.6      | 90 - 110             | W611061  | 14-Mar-16 |       |
| PA 300.0       | Fluoride                 | mg/L     | 2.63            | 0.670                | 2.00           |            | 98.2      | 90 - 110             | W611061  | 14-Mar-16 |       |
| Quality Contr  | ol - MATRIX SPIKE DI     | UPLICATE | Data            |                      |                |            |           |                      |          |           |       |
| Method         | Analyte                  | Units    | MSD<br>Result   | Spike<br>Result      | Spike<br>Level | %R         | RPD       | RPD<br>Limit         | Batch ID | Analyzed  | Notes |
| Classical Chen | nistry Parameters        |          |                 |                      | •              | •          |           |                      |          |           |       |
| STM D7237      | Cyanide (free) @ pH<br>6 | mg/L     | 0.441           | 0.444                | 0.100          | 109        | 0.7       | 20                   | W611071  | 09-Mar-16 |       |
| PA 335,4       | Cyanide (total)          | mg/L     | 45.5            | 46.1                 | 0.100          | R > 4S     | 1.2       | 20                   | W610188  | 08-Mar-16 | D2,M3 |
| M 4500-CN-I    | Cyanide (WAD)            | mg/L     | 0.289           | 0.290                | 0.100          | 88.0       | 0.3       | 20                   | W610187  | 08-Маг-16 | •     |

2.00

96.2

0.6

Fluoride

EPA 300.0

mg/L

2.01

2.00

14-Mar-16

W611061



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Hydrometrics Inc. - CDA Project Name: Kaiser Groundwater 2015

 2736 White Pines Drive
 Work Order:
 W6C0012

 Coeur d Alene, 1D 83815
 Reported:
 15-Mar-16 11:40

### **Notes and Definitions**

D2 Sample required dilution due to high concentration of target analyte.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was

acceptable.

LCS Laboratory Control Sample (Blank Spike)

RPD Relative Percent Difference

UDL A result is less than the detection limit

R > 4S % recovery not applicable, sample concentration more than four times greater than spike level

<RL A result is less than the reporting limit</p>

MRL Method Reporting Limit
MDL Method Detection Limit

N/A Not Applicable

|  |  | $\hat{I} = \hat{I}$ |
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Hydrometries Inc. - CDA 2736 White PIne Drive Coeur d Alene, ID 83815

Project Name: Kaiser Work Order: W6C0052

Reported: 16-Mar-16 11:52

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix        | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|---------------|-----------------|------------|---------------|-------|
| KM-4      | W6C0052-01    | Ground Water  | 02-Mar-16 10:26 | AC         | 02-Mar-2016   | Q6    |
| W-24      | W6C0052-02    | Surface Water | 02-Mar-16 11:50 | AC         | 02-Mar-2016   | Q6    |
| W-2326    | W6C0052-03    | Surface Water | 02-Mar-16 12:05 | AC         | 02-Mar-2016   | Q6    |
| W-195     | W6C0052-04    | Surface Water | 02-Mar-16 12:24 | AC         | 02-Mar-2016   | Q6    |

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested. Non-Detects are reported at the MDL.

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

(Q6) SVL received the following containers outside of published EPA guidelines for preservation temperatures (0-6°C).

The guidelines do not pertain to nitric-preserved metals.

| Default Cooler   | (Received Temper | rature: 8.0°C) |                  |                  |           |
|------------------|------------------|----------------|------------------|------------------|-----------|
| <u>Labnumber</u> | Container        | Client ID      | <u>Labnumber</u> | <u>Container</u> | Client ID |
| W6C0052-01 A     | Raw HDPE         | KM-4           | W6C0052-01 B     | NaOH HDPE        | KM-4      |
| W6C0052-02 A     | Raw HDPE         | W-24           | W6C0052-02 B     | NaOH HDPE        | W-24      |
| W6C0052-03 A     | Raw HDPE         | W-2326         | W6C0052-03 B     | NaOH HDPE        | W-2326    |
| W6C0052-04 A     | Raw HDPE         | W-195          | W6C0052-04 B     | NaOH HDPE        | W-195     |

Case Narrative

SVL is not accredited in the State of WA for WAD CN in non-potable water.



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Hydrometries Inc. - CDA 2736 White PIne Drive Coeur d Alene, ID 83815

Project Name: Kalser Work Order: W6C0052

Reported: 16-Mar-16 11:52

Client Sample ID: KM-4

Sampled: 02-Mar-16 10:26 Received: 02-Mar-16

SVL Sample ID: W6C0052-01 (Ground Water)

| 372 Sample 1D. Woodd2-01 (Glound Water) |                       |          |       |        | Sample Report Page 1 of 1 |          |         | Sampled By: AC |                |       |
|---|-----------------------|----------|-------|--------|---------------------------|----------|---------|----------------|----------------|-------|
| Method                                  | Analyte               | Result   | Units | RL     | MDL                       | Dilution | Batch   | Analyst        | Analyzed       | Notes |
| Classical Chemis                        | stry Parameters       |          |       |        |                           | •        |         |                |                |       |
| ASTM D7237                              | Cyanide (free) @ pH 6 | < 0.0100 | mg/L  | 0.0100 | 0.0011                    |          | W611071 | MAD            | 03/09/16 12:20 |       |
| EPA 335.4                               | Cyanide (total)       | < 0.0100 | mg/L  | 0.0100 | 0.0044                    |          | W611125 | MAD            | 03/15/16 11:43 |       |
| SM 4500-CN-I                            | Cyanide (WAD)         | < 0.0100 | mg/L  | 0.0100 | 0.0026                    |          | W611126 | MAD            | 03/14/16 10:34 |       |
| Anions by Ion C                         | hromatography         |          |       |        |                           |          |         |                |                |       |
| EPA 300.0                               | Fluoride              | < 0.100  | mg/L  | 0.100  | 0.041                     |          | W611061 | DŦ             | 03/14/16 23:46 |       |
|   |                       |          |       |        |                           |          |         |                |                |       |

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Hydrometrics Inc. - CDA 2736 White PIne Drive Cocur d Alene, 1D 83815

Project Name: Kaiser

Work Order: W6C0052 Reported: 16-Mar-16 11:52

| Method         | Analyte                              | Units | Result   | MDL     | MRL         | Batch ID | Analyzed  | Notes |
|----------------|--------------------------------------|-------|----------|---------|-------------|----------|-----------|-------|
| Jessical Cham  | istuu Davamataus                     |       |          |         |             |          |           |       |
| ASTM D7237     | istry Parameters Cyanide (free) @ pH |       | -0.0100  | 4 604 5 | * * * * * * |          |           |       |
| no1111111231   | Cyaniue (nee) (a) pri                | mg/L  | <0.0100  | 0.0011  | . 0.0100    | W611071  | 09-Mar-16 |       |
| EPA 335.4      | Cyanide (total)                      | mg/L  | < 0.0100 | 0.0044  | 0.0100      | W611125  | 15-Mar-16 |       |
| SM 4500-CN-1   | Cyanide (WAD)                        | mg/L  | <0.0100  | 0.0026  | 0.0100      | W611126  | 14-Mar-16 |       |
| nione by Ion ( | Chromatography                       |       |          |         |             |          |           |       |
| EPA 300.0      | Fluoride                             | mg/L  | <0.100   | 0.041   | 0.100       | W611061  | 14-Mar-16 |       |

| Method         | Analyte                  | Units | LCS<br>Result | LCS<br>True | %<br>Rec. | Acceptance<br>Limits | Batch ID | Analyzed  | Notes |
|----------------|--------------------------|-------|---------------|-------------|-----------|----------------------|----------|-----------|-------|
| Classical Chem | istry Parameters         |       |               |             |           |                      |          |           |       |
| ASTM D7237     | Cyanide (free) @ pH<br>6 | mg/L  | 0.152         | 0.150       | 101       | 90 - 110             | W611071  | 09-Mar-16 |       |
| PA 335.4       | Cyanide (total)          | mg/L  | 0.146         | 0.150       | 97.3      | 90 - 110             | W611125  | 15-Mar-16 |       |
| M 4500-CN-I    | Cyanide (WAD)            | mg/L  | 0.137         | 0.150       | 91.3      | 90 - 110             | W611126  | 14-Mar-16 |       |
| nions by Ion ( | Chromatography           |       |               |             |           |                      |          |           |       |
| PA 300.0       | Fluoride                 | mg/L  | 1.95          | 2.00        | 97,4      | 90 - 110             | W611061  | 14-Mar-16 |       |

| Quality Contro  | ol - MATRIX SPIKE D      | ata      | - 10-1          |                      |                |                |           |                      |          |           | ······································ |
|-----------------|--------------------------|----------|-----------------|----------------------|----------------|----------------|-----------|----------------------|----------|-----------|--|
| Method          | Analyte                  | Units    | Spike<br>Result | Sample<br>Result (R) |                | ike<br>vel (S) | %<br>Rec. | Acceptance<br>Limits | Batch 1D | Analyzed  | Notes                                  |
| Classical Chemi | istry Parameters         |          |                 |                      | .,,            |                |           |                      |          |           |  |
| ASTM D7237      | Cyanide (free) @ pH<br>6 | mg/L     | 0.444           | 0,332                | 0.1            | 00             | 112       | 79 - 121             | W611071  | 09-Mar-16 |  |
| EPA 335.4       | Cyanide (total)          | mg/L     | 0.324           | 0,205                | 0.1            | 00             | 119       | 90 - 110             | W611125  | 15-Mar-16 | Ml                                     |
| EPA 335.4       | Cyanide (total)          | mg/L     | 0.0970          | < 0.0100             | 0,1            | 00             | 97.0      | 90 - 110             | W611125  | 15-Mar-16 |  |
| SM 4500-CN-I    | Cyanide (WAD)            | mg/L     | 0.0610          | <0.0100              | 0.1            | 00             | 56.0      | 75 - 125             | W611126  | 14-Mar-16 | D2,M2                                  |
| Anions by Ion C | Chromatography           |          |                 |                      |                |                |           |                      |          |           |  |
| EPA 300.0       | Fluoride                 | mg/L     | 2.00            | < 0.100              | 2.0            | 0              | 95.6      | 90 - 110             | W611061  | 14-Mar-16 |  |
| EPA 300.0       | Fluoride                 | mg/L     | 2.63            | 0.670                | 2.0            | 0              | 98.2      | 90 - 110             | W611061  | 14-Mar-16 |  |
| Quality Contro  | ol - MATRIX SPIKE DI     | UPLICATE | Data            |                      |                |                |           |                      |          |           |  |
| Method          | Analyte                  | Units    | MSD<br>Result   | Spike<br>Result      | Spike<br>Level | %R             | RPD       | RPD<br>Limit         | Batch ID | Analyzed  | Notes                                  |
| Classical Chem  | ilstry Parameters        |          |                 |                      |                |                |           |                      |          |           |  |
| ASTM D7237      | Cyanide (free) @ pH<br>6 | mg/L     | 0.441           | 0.444                | 0,100          | 109            | 0.7       | 20                   | W611071  | 09-Mar-16 |  |
| EPA 335,4       | Cyanide (total)          | mg/L     | 0.317           | 0,324                | 0.100          | 112            | 2.2       | 20                   | W611125  | 15-Mar-16 | MI                                     |
| SM 4500-CN-I    | Cyanide (WAD)            | mg/L     | 0.0600          | 0.0610               | 0.100          | 55.0           |           | 20                   | W611126  | 14-Mar-16 | D2,M2                                  |
| Anions by Ion   | Chromatography           |          |                 |                      |                |                |           |                      |          |           |  |
| EPA 300,0       | Fluoride                 | mg/L     | 2.01            | 2.00                 | 2.00           | 96.2           | 0.6       | 20                   | W611061  | 14-Mar-16 |  |



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|---|------------|-----------------------|----------------|---------------------------|
| Hydrometrics                                  | Inc CDA    |                       |                | Project Name: Kaiser      |
| 2736 White PI                                 | ne Drive   |                       |                | Work Order: W6C0052       |
| Cocur d Alene                                 | , ID 83815 | •                     |                | Reported: 16-Mar-16 11:52 |

|  | Notes and Definitions   |  |
|--|---|--|
| D2   | Sample required dilution due to high concentration of target analyte.                         |  |
| Ml   | Matrix spike recovery was high, but the LCS recovery was acceptable.                          |  |
| M2   | Matrix spike recovery was low, but the LCS recovery was acceptable.                           |  |
| Q6   | Sample was received above recommended temperature.  |  |
| LCS  | Laboratory Control Sample (Blank Spike)   |  |
| RPD  | Relative Percent Difference   |  |
| UDL  | A result is less than the detection limit   |  |
| R > 4S   | % recovery not applicable, sample concentration more than four times greater than spike level |  |
| <rl< td=""><td>A result is less than the reporting limit</td><td></td></rl<> | A result is less than the reporting limit   |  |
| MRL  | Method Reporting Limit  |  |
| MDL  | Method Detection Limit  |  |
| N/A  | Not Applicable  |  |