

**PRELIMINARY Analytical Data  
Upper Animas River**

Analyte	CAS.NO	Units	Location	32nd St Bridge	32nd St Bridge	32nd St Bridge	A68	A68	A68	A68	A72
			Sample ID	085M-1491	085M-1492	085M-1490	085M-1497	085M-1499	085M-1500	085M-1498	085M-1483
			Date	8/5/2015	8/6/2015	8/6/2015	8/5/2015	8/5/2015	8/5/2015	8/6/2015	8/5/2015
			Sample Time	20:50	0:40	9:45	16:00	19:15	23:30	6:15	13:45
			Latitude	37.299991	37.299991	37.299991	37.81120198	37.81120198	37.81120198	37.81120198	37.79027049
			Longitude	-107.868199	-107.868199	-107.868199	-107.6591665	-107.6591665	-107.6591665	-107.6591665	-107.6675778
<b>DM-Hardness - Calculated</b>											
Hardness	NA	mg/l	--	<b>158</b>	<b>159</b>	<b>160</b>	<b>101</b>	<b>103</b>	<b>102</b>	<b>103</b>	<b>172</b>
<b>ICPOE/ICPMS Diss. Metals</b>											
Aluminum	7429-90-5	ug/L	--	< 20 U	< 20 U	< 20 U	<b>55.1</b>	<b>45.6 J</b>	<b>31 J</b>	<b>30.5 J</b>	<b>513</b>
Antimony	7440-36-0	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Arsenic	7440-38-2	ug/L	--	<b>0.628 J</b>	<b>0.603 J</b>	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Barium	7440-39-3	ug/L	--	<b>48.2</b>	<b>49.3</b>	<b>45.7</b>	<b>21.3</b>	<b>21.9</b>	<b>22.5</b>	<b>21.8</b>	<b>20.2</b>
Beryllium	7440-41-7	ug/L	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Cadmium	7440-43-9	ug/L	--	<b>0.178 J</b>	<b>0.16 J</b>	<b>0.19 J</b>	<b>0.828</b>	<b>0.815</b>	<b>0.974</b>	<b>0.85</b>	<b>1.81</b>
Calcium	7440-70-2	ug/L	--	<b>51200</b>	<b>51400</b>	<b>52200</b>	<b>36400</b>	<b>37200</b>	<b>36700</b>	<b>36900</b>	<b>61300</b>
Chromium	7440-47-3	ug/L	--	<b>3.06</b>	<b>3</b>	<b>2.47</b>	<b>1.08 J</b>	< 1 U	<b>1.23 J</b>	< 1 U	< 1 U
Cobalt	7440-48-4	ug/L	--	<b>0.321</b>	<b>0.332</b>	<b>0.307</b>	<b>0.34</b>	<b>0.371</b>	<b>0.375</b>	<b>0.405</b>	<b>5.75</b>
Copper	7440-50-8	ug/L	--	<b>1.7</b>	<b>1.56</b>	<b>1.62</b>	<b>3.45</b>	<b>3.16</b>	<b>3.52</b>	<b>3.26</b>	<b>9.27</b>
Iron	7439-89-6	ug/L	--	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
Lead	7439-92-1	ug/L	--	<b>0.24</b>	< 0.1 U	<b>0.115 J</b>	<b>0.232</b>	<b>0.283</b>	<b>0.82</b>	<b>0.329</b>	<b>0.225</b>
Magnesium	7439-95-4	ug/L	--	<b>7280</b>	<b>7350</b>	<b>7120</b>	<b>2580</b>	<b>2560</b>	<b>2580</b>	<b>2610</b>	<b>4590</b>
Manganese	7439-96-5	ug/L	--	<b>105</b>	<b>105</b>	<b>97.8</b>	<b>737</b>	<b>727</b>	<b>757</b>	<b>817</b>	<b>1370</b>
Molybdenum	7439-98-7	ug/L	--	< 1 U	< 1 U	< 1 U	<b>1.51</b>	<b>1.44</b>	<b>1.48</b>	<b>1.4</b>	< 1 U
Nickel	7440-02-0	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	<b>2.87</b>
Potassium	7440-09-7	ug/L	--	<b>1960</b>	<b>2020</b>	<b>1890</b>	<b>535 J</b>	<b>530 J</b>	<b>515 J</b>	<b>514 J</b>	<b>691 J</b>
Selenium	7782-49-2	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Silver	7440-22-4	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Sodium	7440-23-5	ug/L	--	<b>11400</b>	<b>11600</b>	<b>11000</b>	<b>1750</b>	<b>1720</b>	<b>1740</b>	<b>1720</b>	<b>2400</b>
Thallium	7440-28-0	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Vanadium	7440-62-2	ug/L	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Zinc	7440-66-6	ug/L	--	<b>43.5</b>	<b>37.8</b>	<b>49.1</b>	<b>199</b>	<b>238</b>	<b>324</b>	<b>326</b>	<b>699</b>

**PRELIMINARY Analytical Data  
Upper Animas River**

Analyte	CAS.NO	Units	Location	32nd St Bridge	32nd St Bridge	32nd St Bridge	A68	A68	A68	A68	A72
			Sample ID	085M-1491	085M-1492	085M-1490	085M-1497	085M-1499	085M-1500	085M-1498	085M-1483
			Date	8/5/2015	8/6/2015	8/6/2015	8/5/2015	8/5/2015	8/5/2015	8/6/2015	8/5/2015
			Sample Time	20:50	0:40	9:45	16:00	19:15	23:30	6:15	13:45
			Latitude	37.299991	37.299991	37.299991	37.81120198	37.81120198	37.81120198	37.81120198	37.79027049
			Longitude	-107.868199	-107.868199	-107.868199	-107.6591665	-107.6591665	-107.6591665	-107.6591665	-107.6675778
<b>ICPOE/ICPMS Tot. Rec. Metals</b>											
Aluminum	7429-90-5	ug/L	--	<b>176</b>	<b>171</b>	<b>220</b>	<b>111</b>	<b>103</b>	<b>88.3</b>	<b>90.9</b>	<b>5970</b>
Antimony	7440-36-0	ug/L	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	<b>6.17 D</b>
Arsenic	7440-38-2	ug/L	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	<b>28.9 D</b>
Barium	7440-39-3	ug/L	--	<b>49.9 JD</b>	<b>48.8 JD</b>	<b>46.8 JD</b>	< 25 U	< 25 U	< 25 U	< 25 U	<b>168 D</b>
Beryllium	7440-41-7	ug/L	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Cadmium	7440-43-9	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	<b>0.724 JD</b>	<b>0.652 JD</b>	<b>0.717 JD</b>	<b>0.703 JD</b>	<b>2.27 D</b>
Calcium	7440-70-2	ug/L	--	<b>52000</b>	<b>52200</b>	<b>51600</b>	<b>37600</b>	<b>37700</b>	<b>38500</b>	<b>38300</b>	<b>61700</b>
Chromium	7440-47-3	ug/L	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Cobalt	7440-48-4	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	<b>7.04 D</b>
Copper	7440-50-8	ug/L	--	<b>2.7 JD</b>	< 2.5 U	<b>3.31 JD</b>	<b>6.15 D</b>	<b>4.14 JD</b>	<b>4.89 JD</b>	<b>4.63 JD</b>	<b>49.3 D</b>
Iron	7439-89-6	ug/L	--	<b>331</b>	<b>295</b>	<b>371</b>	<b>165 J</b>	<b>132 J</b>	<b>138 J</b>	<b>143 J</b>	<b>66300</b>
Lead	7439-92-1	ug/L	--	<b>2.56 D</b>	<b>1.8 D</b>	<b>3.46 JD</b>	<b>1.77 D</b>	<b>1.54 D</b>	<b>2.18 D</b>	<b>1.55 D</b>	<b>214 D</b>
Magnesium	7439-95-4	ug/L	--	<b>7140</b>	<b>7160</b>	<b>7050</b>	<b>2560</b>	<b>2540</b>	<b>2590</b>	<b>2590</b>	<b>5600</b>
Manganese	7439-96-5	ug/L	--	<b>118</b>	<b>113</b>	<b>120</b>	<b>729</b>	<b>711</b>	<b>750</b>	<b>793</b>	<b>1480</b>
Molybdenum	7439-98-7	ug/L	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Nickel	7440-02-0	ug/L	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	<b>4.33 JD</b>
Potassium	7440-09-7	ug/L	--	<b>2050</b>	<b>2110</b>	<b>2050</b>	<b>636 J</b>	<b>644 J</b>	<b>616 J</b>	<b>578 J</b>	<b>2380</b>
Selenium	7782-49-2	ug/L	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Silver	7440-22-4	ug/L	--	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
Sodium	7440-23-5	ug/L	--	<b>11100</b>	<b>11300</b>	<b>10900</b>	<b>1680</b>	<b>1710</b>	<b>1710</b>	<b>1690</b>	<b>2470</b>
Thallium	7440-28-0	ug/L	--	<b>12 D</b>	<b>13.2 D</b>	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
Vanadium	7440-62-2	ug/L	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	<b>18.3 D</b>
Zinc	7440-66-6	ug/L	--	<b>71.9</b>	<b>67.7</b>	<b>79.8</b>	<b>222</b>	<b>248</b>	<b>316</b>	<b>321</b>	<b>731</b>
<b>TM_Mercury 245.1</b>											
Mercury	7439-97-6	ug/L	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U

- J Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)
- MDL Method Detection Limit
- PQL Practical Quantitation Limit, also known as reporting limit.
- U Analyte not detected at or above MDL qualifier
- D Diluted value qualifier.
- mg/L Parts per million (milligrams per liter). Solids equivalent = mg/Kg.
- ug/L Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

**PRELIMINARY Analytical Data  
Upper Animas River**

Analyte	CAS.NO	Units	Location	A72	A72	A72	A72	Bakers Bridge	Bakers Bridge	Bakers Bridge	CC48
			Sample ID	085M-1482	085M-1485	085M-1486	085M-1484	085M-1495	085M-1493	085M-1494	085M-1489
			Date	8/5/2015	8/5/2015	8/5/2015	8/6/2015	8/5/2015	8/6/2015	8/6/2015	8/5/2015
			Sample Time	16:15	20:10	23:50	6:30	20:05	0:00	9:00	19:25
			Latitude	37.79027049	37.79027049	37.79027049	37.79027049	-37.454134	-37.454134	-37.454134	37.82
			Longitude	-107.6675778	-107.6675778	-107.6675778	-107.6675778	-107.801601	-107.801601	-107.801601	-107.6631
<b>DM-Hardness - Calculated</b>											
Hardness	NA	mg/l	--	<b>271</b>	<b>158</b>	<b>144</b>	<b>143</b>	<b>98</b>	<b>98</b>	<b>138</b>	<b>537</b>
<b>ICPOE/ICPMS Diss. Metals</b>											
Aluminum	7429-90-5	ug/L	--	<b>12000</b>	<b>1370</b>	<b>59.1</b>	< 20 U	<b>52.3</b>	<b>43.9 J</b>	<b>904</b>	<b>23900</b>
Antimony	7440-36-0	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 2.5 U
Arsenic	7440-38-2	ug/L	--	<b>0.797 J</b>	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 2.5 U
Barium	7440-39-3	ug/L	--	<b>22.6</b>	<b>21.6</b>	<b>20.8</b>	<b>21.5</b>	<b>29.8</b>	<b>29.9</b>	<b>30.3</b>	<b>25.7 JD</b>
Beryllium	7440-41-7	ug/L	--	<b>4.5 J</b>	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	<b>9.29</b>
Cadmium	7440-43-9	ug/L	--	<b>15.2</b>	<b>4.29</b>	<b>2.59</b>	<b>2.11</b>	<b>0.353</b>	<b>0.336</b>	<b>5.32</b>	<b>30.6 D</b>
Calcium	7440-70-2	ug/L	--	<b>95400</b>	<b>55700</b>	<b>51000</b>	<b>50700</b>	<b>32600</b>	<b>32600</b>	<b>46500</b>	<b>190000</b>
Chromium	7440-47-3	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Cobalt	7440-48-4	ug/L	--	<b>32.1</b>	<b>7.98</b>	<b>5.4</b>	<b>4.69</b>	<b>1.02</b>	<b>1.08</b>	<b>9.32</b>	<b>54.4 D</b>
Copper	7440-50-8	ug/L	--	<b>1410</b>	<b>205</b>	<b>11.4</b>	<b>7.63</b>	<b>2.28</b>	<b>1.88</b>	<b>189</b>	<b>2260 D</b>
Iron	7439-89-6	ug/L	--	<b>5840</b>	<b>3170</b>	<b>2090</b>	<b>1980</b>	< 100 U	< 100 U	<b>189 J</b>	<b>27000</b>
Lead	7439-92-1	ug/L	--	<b>50.7</b>	<b>3.12</b>	<b>0.118 J</b>	< 0.1 U	< 0.1 U	< 0.1 U	<b>1.56</b>	<b>73.9 D</b>
Magnesium	7439-95-4	ug/L	--	<b>8030</b>	<b>4650</b>	<b>4170</b>	<b>4030</b>	<b>3990</b>	<b>3920</b>	<b>5300</b>	<b>15400</b>
Manganese	7439-96-5	ug/L	--	<b>6650</b>	<b>1810</b>	<b>1320</b>	<b>1160</b>	<b>306</b>	<b>296</b>	<b>2090</b>	<b>10900</b>
Molybdenum	7439-98-7	ug/L	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Nickel	7440-02-0	ug/L	--	<b>13.8</b>	<b>4.04</b>	<b>2.69</b>	<b>2.72</b>	<b>0.646 J</b>	<b>0.788 J</b>	<b>5.39</b>	<b>28.8 D</b>
Potassium	7440-09-7	ug/L	--	<b>1520</b>	<b>721 J</b>	<b>631 J</b>	<b>605 J</b>	<b>631 J</b>	<b>646 J</b>	<b>912 J</b>	<b>2160</b>
Selenium	7782-49-2	ug/L	--	<b>1.14 J</b>	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Silver	7440-22-4	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 2.5 U
Sodium	7440-23-5	ug/L	--	<b>2600</b>	<b>2310</b>	<b>2330</b>	<b>2310</b>	<b>1790</b>	<b>1790</b>	<b>1960</b>	<b>3930</b>
Thallium	7440-28-0	ug/L	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 2.5 U
Vanadium	7440-62-2	ug/L	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 10 U
Zinc	7440-66-6	ug/L	--	<b>4020</b>	<b>1210</b>	<b>733</b>	<b>609</b>	<b>85.8</b>	<b>110</b>	<b>1700</b>	<b>8540</b>

**PRELIMINARY Analytical Data  
Upper Animas River**

Analyte	CAS.NO	Units	Location	A72	A72	A72	A72	Bakers Bridge	Bakers Bridge	Bakers Bridge	CC48
			Sample ID	085M-1482	085M-1485	085M-1486	085M-1484	085M-1495	085M-1493	085M-1494	085M-1489
			Date	8/5/2015	8/5/2015	8/5/2015	8/6/2015	8/5/2015	8/6/2015	8/6/2015	8/5/2015
			Sample Time	16:15	20:10	23:50	6:30	20:05	0:00	9:00	19:25
			Latitude	37.79027049	37.79027049	37.79027049	37.79027049	-37.454134	-37.454134	-37.454134	37.82
			Longitude	-107.6675778	-107.6675778	-107.6675778	-107.6675778	-107.801601	-107.801601	-107.801601	-107.6631
<b>ICPOE/ICPMS Tot. Rec. Metals</b>											
Aluminum	7429-90-5	ug/L	--	<b>126000 D</b>	<b>12800</b>	<b>4470</b>	<b>2780</b>	<b>363</b>	<b>375</b>	<b>31400</b>	<b>69000 D</b>
Antimony	7440-36-0	ug/L	--	< 50 U	<b>10.2 D</b>	<b>2.66 JD</b>	< 2.5 U	< 2.5 U	< 2.5 U	<b>19.9 JD</b>	<b>35.1 JD</b>
Arsenic	7440-38-2	ug/L	--	<b>1080 D</b>	<b>116 D</b>	<b>27.1 D</b>	<b>15.7 D</b>	< 2.5 U	< 2.5 U	<b>264 D</b>	<b>732 D</b>
Barium	7440-39-3	ug/L	--	<b>1410 D</b>	<b>111 D</b>	<b>47.6 JD</b>	<b>31.2 JD</b>	<b>29.9 JD</b>	<b>30.7 JD</b>	<b>341 D</b>	<b>439 JD</b>
Beryllium	7440-41-7	ug/L	--	<b>18.4 JD</b>	<b>2.06 J</b>	< 2 U	< 2 U	< 2 U	< 2 U	<b>4.73 J</b>	<b>13.1 JD</b>
Cadmium	7440-43-9	ug/L	--	<b>28.3 D</b>	<b>4.69 D</b>	<b>3.23 D</b>	<b>2.34 D</b>	< 0.5 U	< 0.5 U	<b>6.13 D</b>	<b>30.6 D</b>
Calcium	7440-70-2	ug/L	--	<b>98400 D</b>	<b>55100</b>	<b>51100</b>	<b>50300</b>	<b>33000</b>	<b>32400</b>	<b>48500</b>	<b>171000 D</b>
Chromium	7440-47-3	ug/L	--	< 100 U	<b>10.6 D</b>	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 50 U
Cobalt	7440-48-4	ug/L	--	<b>54.1 D</b>	<b>9.51 D</b>	<b>5.92 D</b>	<b>5.24 D</b>	<b>0.975 JD</b>	<b>1.12 D</b>	<b>12.8 D</b>	<b>59.8 D</b>
Copper	7440-50-8	ug/L	--	<b>4820 D</b>	<b>542 D</b>	<b>180 D</b>	<b>113 D</b>	<b>4.03 JD</b>	<b>4.15 JD</b>	<b>1120 D</b>	<b>3620 D</b>
Iron	7439-89-6	ug/L	--	<b>1250000 D</b>	<b>164000</b>	<b>35700</b>	<b>18400</b>	<b>421</b>	<b>412</b>	<b>326000</b>	<b>896000 D</b>
Lead	7439-92-1	ug/L	--	<b>25600 D</b>	<b>1390 D</b>	<b>301 D</b>	<b>88.3 D</b>	<b>3.45 D</b>	<b>1.5 D</b>	<b>5720 D</b>	<b>7530 D</b>
Magnesium	7439-95-4	ug/L	--	<b>41800 D</b>	<b>6490</b>	<b>4640</b>	<b>4120</b>	<b>4110</b>	<b>3920</b>	<b>12100</b>	<b>23400 D</b>
Manganese	7439-96-5	ug/L	--	<b>12200 D</b>	<b>2020</b>	<b>1350</b>	<b>1170</b>	<b>302</b>	<b>295</b>	<b>3040</b>	<b>11900 D</b>
Molybdenum	7439-98-7	ug/L	--	<b>268 D</b>	<b>23.2 D</b>	<b>5.89 D</b>	< 5 U	< 5 U	< 5 U	<b>66.9 D</b>	<b>138 D</b>
Nickel	7440-02-0	ug/L	--	< 50 U	<b>6.61 D</b>	<b>3.75 JD</b>	<b>3.54 JD</b>	< 2.5 U	< 2.5 U	< 12.5 U	<b>36 JD</b>
Potassium	7440-09-7	ug/L	--	<b>28600 D</b>	<b>3030</b>	<b>1480</b>	<b>940 J</b>	<b>751 J</b>	<b>748 J</b>	<b>8400</b>	<b>11300 D</b>
Selenium	7782-49-2	ug/L	--	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U	< 50 U
Silver	7440-22-4	ug/L	--	<b>149 D</b>	<b>8.25 D</b>	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	<b>37.8 D</b>	<b>45.7 JD</b>
Sodium	7440-23-5	ug/L	--	<b>4750 JD</b>	<b>2460</b>	<b>2310</b>	<b>2250</b>	<b>1870</b>	<b>1820</b>	<b>2710</b>	<b>4450 JD</b>
Thallium	7440-28-0	ug/L	--	< 50 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 12.5 U	< 25 U
Vanadium	7440-62-2	ug/L	--	<b>677 D</b>	<b>80.7 D</b>	<b>18.7 D</b>	<b>12.4 JD</b>	< 10 U	< 10 U	<b>172 D</b>	<b>455 D</b>
Zinc	7440-66-6	ug/L	--	<b>6840 D</b>	<b>1250</b>	<b>806</b>	<b>672</b>	<b>129</b>	<b>137</b>	<b>1860</b>	<b>8060 D</b>
<b>TM_Mercury 245.1</b>											
Mercury	7439-97-6	ug/L	--	<b>0.418</b>	<b>0.065 J</b>	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	<b>0.152</b>	<b>0.078 J</b>

J Data Estimated qualifier (also applied to all data)  
MDL Method Detection Limit  
PQL Practical Quantitation Limit, also known as report  
U Analyte not detected at or above MDL qualifier  
D Diluted value qualifier.  
mg/L Parts per million (milligrams per liter). Solids equ  
ug/L Parts per billion (micrograms per liter). Solids equ

**PRELIMINARY Analytical Data  
Upper Animas River**

Analyte	CAS.NO	Units	Location	CC48	CC48	Cement Creek 14th St Bridge
			Sample ID	085M-1488	085M-1487	085M-1496
			Date	8/5/2015	8/6/2015	8/5/2015
			Sample Time	23:00	6:00	16:00
			Latitude	37.82	37.82	37.8124
			Longitude	-107.6631	-107.6631	-107.661401
<b>DM-Hardness - Calculated</b>						
Hardness	NA	mg/l	--	<b>467</b>	<b>433</b>	<b>1300</b>
<b>ICPOE/ICPMS Diss. Metals</b>						
Aluminum	7429-90-5	ug/L	--	<b>14400</b>	<b>10100</b>	<b>91900</b>
Antimony	7440-36-0	ug/L	--	< 2.5 U	< 2.5 U	< 5 U
Arsenic	7440-38-2	ug/L	--	< 2.5 U	< 2.5 U	< 5 U
Barium	7440-39-3	ug/L	--	< 25 U	< 25 U	< 50 U
Beryllium	7440-41-7	ug/L	--	<b>4.31 J</b>	<b>2.65 J</b>	<b>34.8</b>
Cadmium	7440-43-9	ug/L	--	<b>19.1 D</b>	<b>14.2 D</b>	<b>98.3 D</b>
Calcium	7440-70-2	ug/L	--	<b>167000</b>	<b>156000</b>	<b>461000</b>
Chromium	7440-47-3	ug/L	--	< 5 U	< 5 U	< 10 U
Cobalt	7440-48-4	ug/L	--	<b>36.2 D</b>	<b>30.7 D</b>	<b>204 D</b>
Copper	7440-50-8	ug/L	--	<b>1130 D</b>	<b>786 D</b>	<b>10400 D</b>
Iron	7439-89-6	ug/L	--	<b>21300</b>	<b>20000</b>	<b>49500</b>
Lead	7439-92-1	ug/L	--	<b>54.1 D</b>	<b>30 D</b>	<b>150 D</b>
Magnesium	7439-95-4	ug/L	--	<b>12300</b>	<b>10900</b>	<b>36500</b>
Manganese	7439-96-5	ug/L	--	<b>8020</b>	<b>6720</b>	<b>37100</b>
Molybdenum	7439-98-7	ug/L	--	< 5 U	< 5 U	< 10 U
Nickel	7440-02-0	ug/L	--	<b>18.2 D</b>	<b>15.8 D</b>	<b>91.5 D</b>
Potassium	7440-09-7	ug/L	--	<b>1600</b>	<b>1410</b>	<b>6630</b>
Selenium	7782-49-2	ug/L	--	< 5 U	< 5 U	< 10 U
Silver	7440-22-4	ug/L	--	< 2.5 U	< 2.5 U	< 5 U
Sodium	7440-23-5	ug/L	--	<b>3660</b>	<b>3690</b>	<b>4960</b>
Thallium	7440-28-0	ug/L	--	< 2.5 U	< 2.5 U	< 5 U
Vanadium	7440-62-2	ug/L	--	< 10 U	< 10 U	< 20 U
Zinc	7440-66-6	ug/L	--	<b>5820</b>	<b>4650</b>	<b>26800</b>

**PRELIMINARY Analytical Data  
Upper Animas River**

Analyte	CAS.NO	Units	Location	CC48	CC48	Cement Creek 14th St Bridge
			Sample ID	085M-1488	085M-1487	085M-1496
			Date	8/5/2015	8/6/2015	8/5/2015
			Sample Time	23:00	6:00	16:00
			Latitude	37.82	37.82	37.8124
			Longitude	-107.6631	-107.6631	-107.661401
<b>ICPOE/ICPMS Tot. Rec. Metals</b>						
Aluminum	7429-90-5	ug/L	--	<b>28700 D</b>	<b>16400</b>	<b>945000 D</b>
Antimony	7440-36-0	ug/L	--	<b>14.1 D</b>	<b>6.79 D</b>	<b>321 JD</b>
Arsenic	7440-38-2	ug/L	--	<b>203 D</b>	<b>98.5 D</b>	<b>8230 D</b>
Barium	7440-39-3	ug/L	--	<b>159 D</b>	<b>52.3 D</b>	<b>9730 D</b>
Beryllium	7440-41-7	ug/L	--	< 10 U	<b>3.55 J</b>	<b>135 JD</b>
Cadmium	7440-43-9	ug/L	--	<b>18.5 D</b>	<b>14.5 D</b>	<b>165 D</b>
Calcium	7440-70-2	ug/L	--	<b>154000 D</b>	<b>146000</b>	<b>454000 D</b>
Chromium	7440-47-3	ug/L	--	<b>17.2 JD</b>	<b>6.62 JD</b>	<b>706 JD</b>
Cobalt	7440-48-4	ug/L	--	<b>39.1 D</b>	<b>29.8 D</b>	<b>384 D</b>
Copper	7440-50-8	ug/L	--	<b>1480 D</b>	<b>909 D</b>	<b>36700 D</b>
Iron	7439-89-6	ug/L	--	<b>276000 D</b>	<b>130000</b>	<b>9930000 D</b>
Lead	7439-92-1	ug/L	--	<b>2010 D</b>	<b>536 D</b>	<b>179000 D</b>
Magnesium	7439-95-4	ug/L	--	<b>15000 D</b>	<b>11300</b>	<b>279000 D</b>
Manganese	7439-96-5	ug/L	--	<b>8270 D</b>	<b>6540</b>	<b>78000 D</b>
Molybdenum	7439-98-7	ug/L	--	<b>36.5 D</b>	<b>14.3 D</b>	<b>2010 D</b>
Nickel	7440-02-0	ug/L	--	<b>20.8 D</b>	<b>14.8 D</b>	<b>276 JD</b>
Potassium	7440-09-7	ug/L	--	<b>5220 D</b>	<b>2470</b>	<b>212000 D</b>
Selenium	7782-49-2	ug/L	--	<b>10.1 JD</b>	< 5 U	< 500 U
Silver	7440-22-4	ug/L	--	<b>10.8 D</b>	<b>2.53 JD</b>	<b>1110 D</b>
Sodium	7440-23-5	ug/L	--	<b>3940 JD</b>	<b>3730</b>	<b>23400 JD</b>
Thallium	7440-28-0	ug/L	--	< 5 U	< 2.5 U	< 250 U
Vanadium	7440-62-2	ug/L	--	<b>131 D</b>	<b>67.3 D</b>	<b>5470 D</b>
Zinc	7440-66-6	ug/L	--	<b>5400 D</b>	<b>4160</b>	<b>44000 D</b>
<b>TM_Mercury 245.1</b>						
Mercury	7439-97-6	ug/L	--	<b>0.077 J</b>	<b>0.052 J</b>	<b>19.2 D</b>

J Data Estimated qualifier (also applied to all data)  
MDL Method Detection Limit  
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D Diluted value qualifier.  
mg/L Parts per million (milligrams per liter). Solids equ  
ug/L Parts per billion (micrograms per liter). Solids equ