Location	James Ranch	Animas @ Purple Cliffs	Animas @ Lightner Creek	Animas @ 32nd St Bridge			Animas @ Bakers Bridge	
Description	Single Value	Single Value	Single Value	Average	MIN	MAX	Average	MIN
Aluminum	429	612	449	229	171	348	441.2	234
Antimony	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Arsenic	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Barium	31.3	45.6	37.5	46.525	40.6	49.9	32.9	29.9
Beryllium	2	2	2	2	2	2	4	2
Cadmium	0.5	0.5	<0.500	0.5	0.5	0.5	0.566	0.5
Calcium	30800	37400	37600	49825	43500	52200	36400	25200
Chromium	5	5	5	5	5	5	5	5
Cobalt	0.583	0.506	0.5	3.88	0.5	5	1.21	0.831
Copper	4	4	3.59	2.87	2.5	3.31	3.38	2.5
Iron	423	743	525	361	295	448	413	317
Lead	2.32	5.64	3.62	2.71	1.8	3.46	4.26	0.642
Magnesium	3740	5430	5320	6850	6050	7160	4044	2560
Manganese	224	133	128	118	113	122	358	272
Mercury	NA	NA	NA	0.05	0.05	0.05	0.05	0.05
Molybdenum	NA	NA	NA	1	1	1	1	1
Nickel	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Potassium	909	1490	1410	1990	1750	2110	860	692
Selenium	5	5	5	5	5	5	4.375	2.5
Silver	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Sodium	3150	6710	6790	10568	8970	11300	2125	1800
Strontium	272	367	379	463	463	463	445	273
Thallium	2.5	2.5	2.5	7.55	2.5	13.2	3.05	2.5
Vanadium	10	10	10	10	10	10	10	10
Zinc	102	75.8	82.4	75.2	67.7	81.2	165	126

Non-Detect or impacted by non-detects. Detection limit is shown.

NA Not analyzed

UTL 95% Upper Tolerance Limit with 90% Coverage

s @ Bakers Bridge	Animas near Durango	A72			A72			
MAX	Average	Average	MIN	MAX	Normal UTL	Lognormal UTL	Gamma UTL - WH	Gamma UTL - HW
835	432	2446	1110	4440	4401	5061	4730	4797
2.5	3	2.5	2.5	2.5	NA	NA	NA	NA
2.5	3	3.4	1	4	NA	NA	NA	NA
37	39	25	25	25.5	NA	NA	NA	NA
10	2	1.6	0.2	10	NA	NA	NA	NA
0.832	1	2.0	1.11	2.8	3.255	3.633	3.463	3.5
61200	38405	70100	49100	91100	NA	NA	NA	NA
5	5	3.1	0.5	5	NA	NA	NA	NA
1.93	1	5.2	2.87	7.51	NA	NA	NA	NA
4.15	4	31.3	10.3	46.7	52.45	68.4	60.1	61.66
500	493	3949	1340	7710	77.67	9,981	8780	9009
14.5	4	6.6	3.42	14.2	NA	13.2	12.8	12.9
5970	5077	5010	3820	6200	NA	NA	NA	NA
561	192	1728	884	2920	3109	3578	3353	3400
0.05	0	NA	NA	NA	NA	NA	NA	NA
1	1	NA	NA	NA	NA	NA	NA	NA
2.5	3	4.2	0.7	7	NA	NA	NA	NA
1250	1332	969	668	1270	NA	NA	NA	NA
5	5	1.3	0.2	5	NA	NA	NA	NA
2.5	3	0.7	0.1	2.5	NA	NA	NA	NA
3010	5869	3005	2410	3600	NA	NA	NA	NA
616	385	755	530	980	NA	NA	NA	NA
4.7	4	2.5	2.5	2.5	NA	NA	NA	NA
10	10	10	10	10	NA	NA	NA	NA
264	100	778	391	1150	1314	1509	1418	1438

Location	James Ranch	Animas @ Purple Cliffs	Animas @ Lightner Creek	Animas @ 32nd St Bridge			Animas @ Bakers Bridge	
Description	Single Value	Single Value	Single Value	Average	MIN	MAX	Average	MIN
Aluminum	68	60.7	51.1	25.1	20	40.4	53.3	26.2
Antimony	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Arsenic	0.5	0.5	0.5	0.558	0.5	0.628	0.5	0.5
Barium	32.3	32.8	35.1	46.5	42.8	49.3	31.3	29.8
Beryllium	2	2	2	2	2	2	2	2
Cadmium	0.284	0.1	0.134	0.178	0.16	0.19	0.404	0.274
Calcium	32100	39500	39900	50475	47100	52200	37540	25800
Chromium	1	1.01	1	2.38	1	3.06	1	1
Cobalt	0.637	0.171	0.216	0.2955	0.222	0.332	1.21	0.905
Copper	1.76	1.79	1.82	1.5625	1.37	1.7	1.64	0.5
Iron	100	100	100	100	100	100	100	100
Lead	0.1	0.237	0.212	0.141	0.1	0.24	0.34	0.1
Magnesium	3690	5310	5300	7000	6250	7350	4062	2590
Manganese	192	40.2	55.2	96.625	78.7	105	351	254
Nickel	0.5	0.5	0.5	0.5	0.5	0.5	0.665	0.552
Potassium	868	1400	1360	1902.5	1740	2020	763	631
Selenium	1	1	1	1	1	1	0.875	0.5
Silver	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Sodium	2890	6510	6550	10757.5	9030	11600	2110	1740
Strontium	253	357	373	462	462	462	441	272
Thallium	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Vanadium	2	2	2	2	2	2	2	2
Zinc	80.5	34.7	41.5	47.0	37.8	57.5	116	53.5

Non-Detect or impacted by non-detects. Detection limit is shown.	
NA	Not analyzed
UTL	95% Upper Tolerance Limit with 90% Coverage
--	ROS method.

s @ Bakers Bridge	Animas near Durango	A72			A72 Upper Tolerance Limits				
MAX	Average	Average	MIN	MAX	Normal UTL	Normal UTL DL/2 Method	Normal UTL MLE Method	Lognormal UTL	Lognormal UTL DL/2 Method
76.9	51.6	712	25	3290	--	--	--	--	7175
0.5	0.5	1	0.5	0.5	--	--	--	--	--
0.5	0.512	3	0.5	4	--	--	--	--	--
33.2	35.6	25	23	26.5	--	--	--	--	--
2	2	1	0.2	2	--	--	--	--	--
0.704	0.220	2	1.19	2.8	3.184	--	--	3.518	--
63300	39903	84307	51200	127000	--	--	--	--	--
1	1.28	3	0.5	5	--	--	--	--	--
1.85	0.507	5	2.98	6.77	--	--	--	--	--
2.28	1.714	20	3.02	36.9	--	41.23	43.27	--	62.45
100	100	1773	443	3250	3486	--	--	5007	--
0.5	0.206	1	0.1	2.7	--	2.236	--	--	4.343
6060	5072	5794	3920	8500	--	--	--	--	--
546	147	1721	863	2880	3081	--	--	3564	--
0.788	0.533	4	0.7	8.2	--	--	--	--	--
1080	1259	1002	170	1410	--	--	--	--	--
1	0.975	1	0.2	1	--	--	--	--	--
0.5	0.5	0	0.1	0.5	--	--	--	--	--
3120	5764	3771	2420	5110	--	--	--	--	--
609	377	746	523	969	--	--	--	--	--
0.5	0.5	1	0.5	0.5	--	--	--	--	--
2	2	2	2	2	--	--	--	--	--
241	63.9	764	362	1170	1297	--	--	1504	--

rance Limits

Lognormal UTL Log ROS Method	Gamma UTL - WH	Gamma UTL - HW	
8238	--	--	
--	--	--	
--	--	--	
--	--	--	
--	--	--	
--	3.371	3.403	
--	--	--	
--	--	--	
--	--	--	
64.22	51.19	53.84	
--	4131	4288	
4.094	3.389	4.68	Note lead UTLs may not be accurate due to low detection frequency
--	--	--	
--	3331	3379	
--	--	--	
--	--	--	
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--	--	--	
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--	--	--	
--	1405	1426	