

First Quarter 2016

WorkOrder	S1603125	S1603125	S1603125	S1603125	S1603125	S1603125	S1603125	
LabID	S1603125-001	S1603125-002	S1603125-003	S1603125-004	S1603125-005	S1603125-006	S1603125-007	
SampleID	Four Corner in Well	PDL-5	PDL-4	PDL-3	PDL-2	Dr. Springs	Pit 8 Wells	
Sampled	3/7/16	3/7/16	3/7/16	3/7/16	3/7/16	3/7/16	3/7/16	
s.u.	pH	8.3	8.3	8.7	8.8	9.3	8.4	9.2
µmhos/cm	Electrical Conductivity	941	892	486	555	517	640	520
mg/L	Total Dissolved Solids (180)	580	570	290	340	310	420	330
mg/L	Total Alkalinity (as CaCO3)	283	239	237	268	263	229	255
mg/L	Nitrate Nitrogen (As N)	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
mg/L	Total Cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
mg/L	Total Recoverable Phenolics	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sodium Adsorption Ratio	4.7	2.6	17.1	26.2	24.9	6.7	19.7
mg/L	Bicarbonate as HCO3	340	291	270	297	245	270	253
mg/L	Carbonate as CO3	<5	<5	10	15	37	<5	29
mg/L	Chloride	8	6	1	1	1	3	2
mg/L	Fluoride	1.3	0.5	0.8	0.7	0.8	0.6	0.7
mg/L	Sulfate	181	195	13	18	6	83	14
mg/L	Calcium	33	44	3	2	2	18	3
mg/L	Magnesium	20	30	<1	<1	<1	3	<1
mg/L	Potassium	3	3	1	<1	1	10	2
mg/L	Sodium	138	91	109	130	120	114	120
mg/L	Dissolved Aluminum	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1
mg/L	Dissolved Arsenic	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
mg/L	Dissolved Barium	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
mg/L	Dissolved Boron	0.2	0.1	0.1	<0.1	0.1	<0.1	0.1
mg/L	Dissolved Cadmium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L	Dissolved Chromium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
mg/L	Dissolved Cobalt	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
mg/L	Dissolved Copper	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
mg/L	Dissolved Iron	<0.05	<0.05	<0.05	<0.05	<0.05	0.38	<0.05
mg/L	Dissolved Lead	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
mg/L	Dissolved Manganese	0.03	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
mg/L	Dissolved Molybdenum	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
mg/L	Dissolved Nickel	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
mg/L	Dissolved Selenium	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
mg/L	Dissolved Silver	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
mg/L	Dissolved Vanadium	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
mg/L	Dissolved Zinc	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01
mg/L	Total Iron	1.08	1.37	<0.05	<0.05	0.14	0.56	<0.05
mg/L	Total Manganese	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.02

Total Iron	mg/L	<0.05	0.58	<0.05	<0.05	<0.05	1.66	1.09
Total Manganese	mg/L	<0.02	0.08	<0.02	<0.02	<0.02	0.03	0.04
Total Mercury	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	mg/L		Total Mercury					

WorkOrder	S1606192
LabID	S1606192-001
SampleID	San Migal Springs
Sampled	6/7/16
pH	8.4
Electrical Conductivity	174
Total Dissolved Solids (180)	130
Total Alkalinity (as CaCO3)	90
Hardness (Ca/Mg As CaCO3)	66
Nitrate Nitrogen (As N)	0.1
Nitrite Nitrogen (As N)	<0.05
Total Cyanide	<0.01
Total Recoverable Phenolics	<0.05
Sodium Adsorption Ratio	0.55
Bicarbonate as HCO3	106
Carbonate as CO3	<5
Chloride	3
Fluoride	0.3
Nitrate+Nitrite as N	0.10
Sulfate	2
Calcium	17
Magnesium	6
Potassium	3
Sodium	10
Gross Alpha (Dissolved)	<2
Gross Beta (Dissolved)	<3
Radium 226 (Dissolved)	<0.2
Radium 228 (Dissolved)	<1
Dissolved Aluminum	<0.1
Dissolved Arsenic	<0.005
Dissolved Barium	<0.1
Dissolved Boron	<0.1
Dissolved Cadmium	<0.001
Dissolved Chromium	<0.01
Dissolved Cobalt	<0.01
Dissolved Copper	<0.01
Dissolved Iron	<0.05
Dissolved Lead	<0.02
Dissolved Manganese	<0.02
Dissolved Molybdenum	<0.02
Dissolved Nickel	<0.01
Dissolved Selenium	<0.001
Dissolved Silver	<0.003

Total Iron	mg/L	0.07	<0.05	117	<0.05	0.14	2.31	<0.05
Total Manganese	mg/L	<0.02	<0.02	1.48	<0.02	<0.02	0.04	<0.02
Total Mercury	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Fourth Quarter 2016

WorkOrder		S1610385	S1610385	S1610385	S1610385	S1610385	S1610385	S1610385
LabID		S1610385-001	S1610385-001	S1610385-001	S1610385-001	S1610385-001	S1610385-001	S1610385-001
SampleID		Pit 8 Well	Dr. Springs	PDL 2	PDL 3	PDL 4	PDL 5	Four Corner Well
Sampled		10/24/2016	10/24/2016	10/24/2016	10/24/2016	10/24/2016	10/24/2016	10/24/2016
pH	s.u.	9.6	8.6	9.2	8.9	8.8	8.4	8.6
Electrical Conductivity	µmhos/cm	990	930	559	531	459	840	887
Total Dissolved Solids (180)	mg/L	630	620	320	310	270	540	560
Total Alkalinity (as CaCO3)	mg/L	496	418	285	263	231	233	259
Nitrate Nitrogen (As N)	mg/L	ND	ND	ND	ND	ND	ND	0.1
Total Cyanide	mg/L	ND	ND	ND	ND	ND	ND	ND
Total Recoverable Phenolics	mg/L	ND	ND	ND	ND	ND	ND	ND
Sodium Adsorption Ratio	mg/L	36.9	7.53	21.2	24.2	15.5	2.50	5.21
Bicarbonate as HCO3	mg/L	389	479	281	287	256	271	291
Carbonate as CO3	mg/L	107	16	32	17	13	7	13
Chloride	mg/L	3	5	1	2	1	5	8
Fluoride	mg/L	1.5	1	1.0	0.7	0.8	0.5	1.4
Sulfate	mg/L	21	69	13	17	12	187	169
Calcium	mg/L	3	36	2	2	3	46	29
Magnesium	mg/L	ND	4	ND	ND	ND	29	18
Potassium	mg/L	4	8	ND	ND	1	2	3
Sodium	mg/L	234	178	121	121	101	88	144
Dissolved Aluminum	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Arsenic	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Barium	mg/L	0.1	0.1	0.1	ND	0.2	ND	ND
Dissolved Boron	mg/L	0.2	0.1	0.1	ND	ND	0.1	0.2
Dissolved Cadmium	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Chromium	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Cobalt	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Copper	mg/L	0.03	ND	ND	ND	ND	ND	0.02
Dissolved Iron	mg/L	ND	0.1	ND	ND	0.13	ND	ND
Dissolved Lead	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Manganese	mg/L	ND	ND	ND	ND	ND	0.02	ND
Dissolved Molybdenum	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Nickel	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Selenium	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Silver	mg/L	ND	ND	ND	ND	ND	ND	ND
Dissolved Vanadium	mg/L	ND	ND	ND	ND	ND	ND	ND

Dissolved Zinc	mg/L	ND	ND	0.07	ND	ND	ND	0.03
Total Iron	mg/L	0.08	1.67	ND	ND	0.15	1.15	0.10
Total Manganese	mg/L	ND	0.18	ND	ND	ND	0.02	ND
Total Mercury	mg/L	ND	ND	ND	ND	ND	ND	ND