

First Quarter 2017 El Segundo Groundwater Analytical

Location	SJ-120	Gallup	Dalton	East Side Well	KPL-4	KPL-5	
Work Order	S1703197	S1703197	S1703197	S1703197	S1703197	S1703197	
Lab ID	S1703197-001	S1703197-001	S1703197-001	S1703197-001	S1703197-001	S1703197-001	
Date Sampled	3/14/17	3/13/17	3/13/17	3/13/17	3/13/17	3/13/17	
Date Received	3/16/17	3/16/17	3/16/17	3/16/17	3/16/17	3/16/17	
Sample ID	SJ-120	Gallup	Dalton	East Side	KPL-4	KPL-5	
Units	Analyte	Result	Result	Result	Result	Result	
s.u.	pH	8.4	8.4	8.3	8.6	8.5	9.5
mg/L	Total Dissolved Solids (180)	1020	1240	1780	1290	1050	760
mg/L	Total Alkalinity (as CaCO ₃)	238	218	232	244	518	467
mg/L	Nitrate Nitrogen (As N)	ND	ND	ND	0.3	0.3	ND
mg/L	Total Cyanide	ND	ND	ND	ND	ND	ND
mg/L	Bicarbonate as HCO ₃	282	258	283	277	595	398
mg/L	Carbonate as CO ₃	ND	ND	ND	10	18	84
mg/L	Chloride	10	11	11	13	4	9
mg/L	Fluoride	0.5	0.4	0.2	0.4	0.3	0.8
mg/L	Sulfate	487	625	985	652	297	153
mg/L	Calcium	36	35	111	15	18	2
mg/L	Magnesium	22	19	78	6	8	1
mg/L	Potassium	4	4	6	4	5	3
mg/L	Sodium	258	339	288	418	356	296
mg/L	Dissolved Arsenic	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Barium	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Cadmium	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Chromium	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Copper	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Iron	ND	ND	ND	0.10	ND	ND
mg/L	Dissolved Lead	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Manganese	0.05	0.07	0.08	ND	ND	ND
mg/L	Dissolved Selenium	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Silver	ND	ND	ND	ND	ND	ND
mg/L	Dissolved Zinc	0.02	0.07	ND	ND	1.11	0.02
mg/L	Total Mercury	ND	ND	ND	ND	ND	ND

* Orphan Annie was not running at the time of sampling

Second Quarter 2017 Segundo Groundwater Analytical

Location	SJ-120	Gallup	Dalton	East Side Well	KPL-4	KPL-5	Plant Well
Work Order	S1706238	S1706238	S1706238	S1706238	S1706238	S1706238	S1706238
Lab ID	S1706238-001	S1706238-001	S1706238-001	S1706238-001	S1706238-001	S1706238-001	S1706238-001
Date Sampled	6/7/17	6/7/17	6/7/17	6/7/17	6/7/17	6/7/17	6/7/17
Date Received	6/13/17	6/13/17	6/13/17	6/13/17	6/13/17	6/13/17	6/13/17
Sample ID	SJ-120	Gallup	Dalton	East Side Well	KPL 4	KPL 5	Plant Well
Analyte	Result	Result	Result	Result	Result	Result	Result
pH	8.4	8.4	8.2	8.6	8.4	9.4	8.4
Total Dissolved Solids (180)	990	1100	1790	1280	1020	760	1490
Total Alkalinity (as CaCO3)	255	202	237	223	507	461	196
Nitrate Nitrogen (As N)	ND	ND	ND	ND	0.3	ND	0.1
Total Cyanide	ND	ND	ND	ND	ND	ND	ND
Bicarbonate as HCO3	304	238	289	253	595	389	233
Carbonate as CO3	ND	ND	ND	10	11	85	ND
Chloride	10	11	12	13	5	9	14
Fluoride	0.5	0.4	0.2	0.4	0.3	0.9	0.3
Sulfate	467	553	992	649	280	152	821
Calcium	38	25	114	14	18	2	35
Magnesium	24	12	83	6	8	1	17
Potassium	4	4	7	4	5	3	5
Sodium	255	326	293	419	351	293	429
Dissolved Arsenic	ND	ND	ND	ND	ND	ND	ND
Dissolved Barium	ND	ND	ND	ND	ND	ND	ND
Dissolved Cadmium	ND	ND	ND	ND	ND	ND	ND
Dissolved Chromium	ND	ND	ND	ND	ND	ND	ND
Dissolved Copper	ND	ND	ND	ND	ND	ND	ND
Dissolved Iron	ND	ND	ND	0.09	ND	ND	ND
Dissolved Lead	ND	ND	ND	ND	ND	ND	ND
Dissolved Manganese	0.05	0.06	0.08	ND	ND	ND	0.11
Dissolved Selenium	ND	ND	ND	ND	ND	ND	ND
Dissolved Silver	ND	ND	ND	ND	ND	ND	ND
Dissolved Zinc	0.05	0.10	ND	ND	1.13	ND	0.03
Total Mercury	ND	ND	ND	ND	ND	ND	ND

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Third Quarter 2017 El Segundo Groundwater Analytical

Location	KPL-4	KPL-5	SJ-120	Dalton	Gallup	East Side	Plant Well
Work Order	S1707240	S1707240	S1707240	S1707240	S1707240	S1707240	S1707240
Lab ID	S1707240-001	S1707240-001	S1707240-001	S1707240-001	S1707240-001	S1707240-001	S1707240-001
Date Sampled	7/12/17	7/12/17	7/12/17	7/12/17	7/12/17	7/12/17	7/12/17
Date Received	7/18/17	7/18/17	7/18/17	7/18/17	7/18/17	7/18/17	7/18/17
Sample ID	KPL4	KPL5	SJ120	Dalton	Gallup	Eastside Well	Plant Well
Analyte							
pH	9.3	8.5	8.4	8.3	8.4	8.5	8.5
Total Dissolved Solids (180)	770	970	1450	1800	1160	1290	1490
Total Alkalinity (as CaCO3)	488	468	196	236	200	220	198
Nitrate Nitrogen (As N)	ND	0.3	0.2	0.9	0.4	ND	ND
Total Cyanide	ND	ND	ND	ND	ND	ND	ND
Bicarbonate as HCO3	455	542	233	285	237	256	229
Carbonate as CO3	69	14	ND	ND	ND	6	6
Chloride	8	4	14	12	11	13	14
Fluoride	0.8	0.3	0.3	0.1	0.4	0.3	0.3
Sulfate	157	285	818	1020	596	670	828
Calcium	2	19	35	117	28	15	36
Magnesium	1	9	18	82	13	7	17
Potassium	3	4	5	6	4	4	5
Sodium	298	328	433	293	347	444	437
Dissolved Arsenic	ND	ND	ND	ND	ND	ND	ND
Dissolved Barium	ND	ND	ND	ND	ND	ND	ND
Dissolved Cadmium	ND	ND	ND	0.004	ND	ND	ND
Dissolved Chromium	ND	ND	ND	ND	ND	ND	ND
Dissolved Copper	ND	ND	ND	ND	ND	ND	ND
Dissolved Iron	ND	ND	ND	ND	ND	ND	ND
Dissolved Lead	ND	ND	ND	ND	ND	ND	ND
Dissolved Manganese	ND	0.02	ND	0.08	0.06	ND	0.10
Dissolved Selenium	ND	ND	ND	ND	ND	ND	ND
Dissolved Silver	ND	ND	ND	ND	ND	ND	ND
Dissolved Zinc	0.02	1.24	ND	0.10	ND	ND	0.01
Total Mercury	ND	ND	ND	ND	ND	ND	ND

* Orphan Annie was not running at the time of sampling

Fourth Quarter 2017 El Segundo Groundwater Analytical

Location	KPL-6	KPL5	Gallup	SJ-120	Daltion	Eastside	Plant Well
Work Order	S1710315	S1710315	S1710315	S1710315	S1710315	S1710315	S1710315
Lab ID	S1710315-001	S1710315-001	S1710315-001	S1710315-001	S1710315-001	S1710315-001	S1710315-001
Date Sampled	10/17/17	10/17/17	10/17/17	10/17/17	10/17/17	10/17/17	43025.37778
Date Received	10/19/17	43027	43027	43027	43027	43027	43027
Sample ID	KPL-6	KPL5	Gallup	SJ-120	Daltion	Eastside	Plant Well
Analyte							
pH	8.7	9.4	8.4	8.4	8.2	8.5	8.5
Total Dissolved Solids (180)	1210	750	1430	760	1700	1250	1450
Total Alkalinity (as CaCO3)	461	466	198	301	230	220	198
Nitrate Nitrogen (As N)	0.4	ND	ND	ND	ND	ND	ND
Total Cyanide	ND	ND	ND	ND	ND	ND	ND
Bicarbonate as HCO3	520	399	234	357	281	255	232
Carbonate as CO3	21	84	ND	5	ND	7	ND
Chloride	18	8	12	7	10	11	13
Fluoride	0.7	0.8	0.3	0.6	0.1	0.3	0.3
Sulfate	396	136	765	280	923	603	784
Calcium	9	1	34	44	111	13	33
Magnesium	3	1	17	31	80	6	16
Potassium	4	3	5	4	7	4	5
Sodium	429	282	422	160	279	399	404
Dissolved Arsenic	ND	ND	ND	ND	ND	ND	ND
Dissolved Barium	ND	ND	ND	ND	ND	ND	ND
Dissolved Cadmium	ND	ND	ND	ND	ND	ND	ND
Dissolved Chromium	ND	ND	ND	ND	ND	ND	ND
Dissolved Copper	ND	ND	ND	ND	ND	ND	ND
Dissolved Iron	ND	ND	ND	ND	ND	ND	ND
Dissolved Lead	ND	ND	ND	ND	ND	ND	ND
Dissolved Manganese	ND	ND	0.06	0.07	0.08	0.05	0.10
Dissolved Selenium	ND	ND	ND	ND	ND	ND	ND
Dissolved Silver	ND	ND	ND	ND	ND	ND	ND
Dissolved Zinc	0.46	0.04	0.11	0.02	ND	ND	ND
Total Mercury	ND	ND	ND	ND	ND	ND	ND

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