

EXHIBIT 28-A

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 4, 2019

Seaside Basin Sample Collection Dates: July 3, August 26, September 5 and 20, 2019

Units are milligrams per liter unless otherwise noted.

Water Quality Constituent	Specific Conductance (micromhos/cm)	Total Alkalinity (as CaCO3)	pH	Chloride	Sulfate	Ammonia Nitrogen (as N)	Nitrate Nitrogen (as NO3)	Total Organic Carbon	Calcium	Sodium	Magnesium	Potassium	Iron	Manganese	Orthophosphate	Total Dissolved Solids	Boron	Bromide	Fluoride	
Drinking Water Standard (1)	900 1600 2200 (2)	NA	NA	250 500 600 (2)	250 500 600 (2)	NA	45	NA	NA	NA	NA	NA	0.3	0.05		NA	NA	NA	NA	
Sampling Location	River Mile																			
<i>Carmel Valley Aquifer</i>																				
16S/1W-14Jh (shal)	0.07 no longer in annual sampling network																			
16S/1W-14Jf (inter)	0.07 no longer in annual sampling network																			
16S/1W-14Jg (deep)	0.07 no longer in annual sampling network, destroyed by flooding																			
16S/1W-13Mc (shal)	0.31 no longer in annual sampling network																			
16S/1W-13Mb (inter)	0.31 no longer in annual sampling network																			
16S/1W-13Md (deep)	0.31 no access in November or December due to high water in Lagoon																			
16S/1W-13Lb (shal)	0.65 no longer in annual sampling network																			
16S/1W-13La (inter)	0.65 no longer in annual sampling network																			
16S/1W-13Lc (deep)	0.65	1030	184	7.7	97.3	179	0.7	<0.1	2.5	82	94	20.9	3.8	1.850	0.796	0.1	626	0.22	0.2	1.6
16S/1E-17J4	3.85	427	86	6.9	21.7	84	<0.1	0.1	0.2	35	22	12.6	3.1	0.247	0.017	<0.1	263	<0.05	<0.1	0.2
16S/1E-17R2	3.86	1307	167	7.0	115	336	0.2	<0.1	4.6	142	79	30.7	4.1	6.880	0.307	<0.1	880	0.07	0.1	0.2
16S/1E-23E4	6.53	1106	258	7.5	95.7	164	<0.1	<0.1	2.6	107	86	25.6	2.0	1.170	0.776	<0.1	674	0.12	0.2	0.5
16S/1E-23La	6.72	408	113	7.3	22.6	52	<0.1	<0.1	1.7	32	26	11.4	2.9	0.867	0.173	<0.1	226	<0.05	<0.1	0.4
16S/1E-24N5	8.02	474	129	7.4	25.7	60	<0.1	0.6	1.5	44	27	12.6	2.8	0.014	0.016	<0.1	286	<0.05	0.1	0.3
<i>Seaside Basin</i>																				
15S/1E-15N3 (shal)	308	70	5.9	46	10	<0.1	<0.1	0.3	19	32	5	2.7	0.016	<0.01	<0.1	192	<0.05	0.1	0.1	
15S/1E-15N2 (deep)	952	242	7.3	149	18	<0.1	<0.1	0.8	68	117	17	5.3	3.580	0.115	<0.1	516	0.13	0.4	0.2	
15S/1E-23Ca (shal)	816	209	7.4	104	37	<0.1	<0.1	0.8	63	71	13	4.5	0.082	0.030	<0.1	462	0.08	0.1	0.1	
15S/1E-23Cb (deep)	not sampled in 2019 due to obstruction in well																			
15S/1E-15F1 (shal)	310	68	6.7	47	11	<0.1	0.7	0.4	22	36	6	2.8	0.094	<0.01	<0.1	204	<0.05	0.1	<0.1	
15S/1E-15F2 (deep)	1124	312	6.1	155	40	0.1	<0.1	1.7	91	113	19	5.5	42.000	0.377	<0.1	626	0.18	0.4	0.2	
15S/1E-15K5 (shal)	325	68	7.7	51	10	<0.1	<0.1	0.6	22	40	5	2.5	0.099	<0.01	<0.1	176	<0.05	0.2	0.1	
15S/1E-15K4 (deep)	853	211	7.6	123	36	<0.1	<0.1	0.6	63	92	12	4.3	0.096	0.176	<0.1	480	0.11	0.4	0.2	
15S/1E-11Pa (shal)	466	82	6.1	77	22	<0.1	<0.1	0.7	34	44	8	4.5	0.011	<0.01	<0.1	264	0.06	0.1	<0.1	
15S/1E-11Pb (deep)	426	97	6.7	70	7	0.3	<0.1	1.6	27	50	4	3.7	0.307	<0.01	<0.1	226	0.08	0.1	0.1	
15S/1E-12Fa (shal)	276	53	8.3	42	11	<0.1	0.4	0.3	15	34	2	1.8	0.068	<0.01	<0.1	160	<0.05	0.1	<0.1	
15S/1E-12Fc (deep)	283	60	8.0	43	11	<0.1	0.6	0.5	16	34	2	1.8	0.213	0.026	<0.1	174	<0.05	0.1	<0.1	

NOTES:

- (1) Maximum contaminant levels are from California Domestic Water Quality and Monitoring Regulations, Title 22, 1977.
- (2) The three values listed for certain constituents refer to the "recommended" level, the "upper" level, and "short-term use" level, respectively.
- (3) The "Practical Quantifiable Limit" for Ammonia-N changed in 2017.
- (4) The "Practical Quantifiable Limit" for Nitrate as N was inconsistently reported in 2017, but corrected for this report.
- (5) The "Practical Quantifiable Limit" for Orthophosphate and Bromide changed in 2012.
- (6) Well 15S/1E-15K4 is being used as a "far-field monitor" for ASR well #4, and as such was sampled for additional constituents in 2018 that are not shown on this table.