Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Ballona Creek at Sawtelle Blvd. S01 2014-15Event04 10/31/2014	Ballona Creek at Sawtelle Blvd. S01 2014-15Event09 12/02/2014	Ballona Creek at Sawtelle Blvd. S01 2014-15Event10 12/12/2014	Malibu Creek at Piuma Rd. S02 2014-15Event08 11/30/2014	Malibu Creek at Piuma Rd. S02 2014-15Event09 12/02/2014	Malibu Creek at Piuma Rd. S02 2014-15Event10 12/12/2014	Los Angeles River at Wardlow Rd. S10 2014-15Event04	Los Angeles River at Wardlow Rd. S10 2014-15Event09	Los Angeles River at Wardlow Rd. S10 2014-15Event10
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**57940***	34500**	49500**	**21100***	**630***	146	**178900***	72700**	54600**
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	160000	300000	130000	22000	3000	800	900000	240000	500000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	500000	500000	300000	35000	5000	200	1600000	500000	500000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	900000	500000	300000	35000	7000	200	1600000	500000	500000
Bacteria	Total Coliform	MPN/100mL	SM9221B	170000	500000	240000	300000	24000	13000	3500000	3000000	1600000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	0.012	0.009	0.009	0.006	0.014	0.006	0.015	0.005	0.01
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	**3.71***	9.68	7.97	9.02^	7.825^	8.1^	**1.56***	7.15	9.38
Conventionals	Oil and Grease	mg/L	EPA1664A	5.31	<1.44	5.82	<1.44	<1.44	<1.44	>1.44&<5	<1.44	>1.44&<5
Conventionals	pH	pH units	SM4500H B	**6.31***	7.24	6.92	7.165^	7.18^	7.44^	6.85	7.27	7.06
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	86	33	34	188	135	131	126	49	39
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	3.68	0.641	<0.121	0.25	0.194	<0.121	3.79	0.278	0.157
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	65.4	15	9.41	5.56	4.62	4.03	58.4	15.4	6.88
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	272	36	>10&<20	28	29	23	140	29	>10&<20
General	Chloride	mg/L	EPA 300.0	24.8	15.4	7.85	155	120	122	52.1	15.3	12.7
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.34	0.303	0.25	0.911	0.675	0.356	0.306	0.244	0.17
General	Fluoride	mg/L	EPA300.0	0.343	0.2	0.14	0.43	0.43	0.32	0.603	0.2	0.14
General	Hardness as $CaCO_3$	mg/L	SM2340C	135	50	50	823	570	498	160	78	58
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	7.76	1.4	0.14	0.548	1.08	3.12	7.52	0.76	4.46
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	2.47	0.71	>0.01&<0.5	>0.01&<0.5	>0.01&<0.5	>0.01&<0.5	1.95	0.65	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	3.04	0.53	<0.1	0.207	0.16	<0.1	3.13	0.23	0.13
General	Nitrate (NO_3)	mg/L	EPA300.0	<0.2	4.15	3.22	14.4	9.33	7.17	9.46	4.16	3.3
General	Nitrate-N	mg/L	EPA300.0	<0.05	0.937	0.727	3.25	2.11	1.62	2.14	0.939	0.745
General	Nitrite-N	mg/L	EPA300.0	**3.45***	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1	0.112	>0.02&<0.1	**1.44***	>0.02&<0.1	>0.02&<0.1
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	1.37	0.628	0.993	1.13	0.975	0.957	1.83	1.03	0.984
General	Specific Conductance	umhos/cm	SM2510 B	288	157	121	1449^	1592^	1741^	487	212	177
General	Sulfate	mg/L	EPA300.0	31.4	24.5	9.45	**739***	434	392	65.1	24.4	19.4
General	Total Dissolved Solids	mg/L	SM2540C	260	120	84	1790	1200	1020	366	154	90
General	Total Organic Carbon	mg/L	SM5310	39.7	12.3	7.22	10.5	12	6.77	26.3	9.25	5.86
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	>1.5&<5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	624	78	602	202	421	323	2110	323	633
General	Turbidity	NTU	SM2130B	38.9	8.84	33.8	146.5^	3.7^	3.6^	37.6	10.1	36.1
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	182	29	156	41	85	63	490	57	102

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Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	<5	<5	<5	<5	<5	<5	14	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	3280	1030	1680	1510	1230	865	3030	2200	3030
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	3.15	2.49	1.78	>0.2&<0.5	0.675	0.782	3.92	1.57	1.23
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	2.64	1.51	1.76	2.46	2.71	2.89	3.37	1.97	1.79
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	189	59.7	96.1	54.2	45.7	50.8	190	90	121
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	<0.1	<0.1	<0.1	<0.1	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	1.56	0.388	0.864	1.71	1.73	2.59	2.94	0.966	1.17
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	12	3.31	3.59	4.59	5.02	2.06	9.76	5.17	6.08
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	<0.25	<0.25	<0.25	<0.25	<0.25	>0.25&<5	<0.25
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	**95.6***	**43.7***	**47.2***	13.1	12.5	15	**155***	**45.4***	**45.8***
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	5930	1360	2070	2420	2150	1990	6000	3110	4490
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	**93***	24.8	**66***	2.8	2.76	3.8	88	30	**56.7***
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	18	5.31	7.28	16	15.4	13.6	16.8	9.68	10.6
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	<0.5	<0.5	<0.5	8.76	8.63	4.67	<0.5	<0.5	<0.5
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**970***	**286***	**408***	60.6	55.9	51	**980***	**330***	**328***
Metals	Aluminum	ug/L	EPA1640/EPA200.8	14800	4400	9950	7200	5230	6780	17000	12900	10800
Metals	Antimony	ug/L	EPA1640/EPA200.8	13.9	6.29	5.88	1.57	1.59	1.52	9.89	5.02	4.11
Metals	Arsenic	ug/L	EPA 200.8	3.88	2.43	3.82	2.83	2.93	3.87	5.95	3.61	3.81
Metals	Barium	ug/L	EPA1640/EPA200.8	340	100	178	106	88.4	112	420	175	196
Metals	Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5
Metals	Cadmium	ug/L	EPA1640/EPA200.8	1.99	0.522	1.23	2.32	2.3	3.5	3.63	1.23	1.3
Metals	Chromium	ug/L	EPA1640/EPA200.8	32.5	10.4	18.3	10.9	13.3	15.7	34.8	18.5	16.6
Metals	Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	<0.25	<0.25	<0.25	<0.25	<0.25	>0.25&<5	<0.25
Metals	Copper	ug/L	EPA1640/EPA200.8	264	62.5	70.1	20.6	18.8	23.4	273	64	58
Metals	Iron	ug/L	EPA1640/EPA200.8	22600	5500	13500	8600	6680	11200	30900	14700	17300
Metals	Lead	ug/L	EPA1640/EPA200.8	135	38.1	85	5.54	4.94	6.97	134	45.4	67.7
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	31.5	10	15.9	24.1	22.9	25.6	31.3	18.6	18.3
Metals	Selenium	ug/L	EPA1640/EPA200.8	>0.5&<1	>0.5&<1	>0.5&<1	10.3	10.3	6.65	1.33	1	>0.5&<1
Metals	Silver	ug/L	EPA1640/EPA200.8	1.41	0.415	1.09	>0.1&<0.25	<0.1	>0.1&<0.25	1.46	0.319	0.435
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	<0.1	>0.1&<1	>0.1&<1	>0.1&<1	>0.1&<1	>0.1&<1	>0.1&<1	>0.1&<1
Metals	Zinc	ug/L	EPA1640/EPA200.8	1220	365	525	108	88.1	83.2	1280	447	398
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3	<3	<3	<3	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	>0.67&<2	>0.67&<2	<0.67	<0.67	<0.67	<0.67	>0.67&<2	>0.67&<2
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03

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Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	>0.067&<0.2	<0.067	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Coyote Creek at Spring Street S13 2014-15Event04 10/31/2014	Coyote Creek at Spring Street S13 2014-15Event09 12/02/2014	Coyote Creek at Spring Street S13 2014-15Event10 12/12/2014	San Gabriel River at SGR Parkway S14 2014-15Event04	San Gabriel River at SGR Parkway S14 2014-15Event09	San Gabriel River at SGR Parkway S14 2014-15Event10	Dominguez Channel at Artesia Blvd. S28 2014-15Event04	Dominguez Channel at Artesia Blvd. S28 2014-15Event09	Dominguez Channel at Artesia Blvd. S28 2014-15Event10
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**21300***	14136**	10462**	51720**	21430**	24192**	**17329***	36540**	25900**
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	90000	50000	80000	350000	30000	130000	24000	300000	30000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	160000	240000	160000	2400000	300000	900000	220000	900000	240000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	160000	240000	160000	2400000	300000	900000	220000	900000	240000
Bacteria	Total Coliform	MPN/100mL	SM9221B	240000	300000	900000	2400000	900000	240000	160000	300000	300000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	0.007	<0.005	<0.005	**0.029***	<0.005	<0.005	<0.005	0.005	<0.005
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	**2.9***	9.39	9.7	**2.91***	9.2	8.7	**3.67***	9.96	9.97
Conventionals	Oil and Grease	mg/L	EPA1664A	>1.44&<5	<1.44	>1.44&<5	<1.44	<1.44	<1.44	>1.44&<5	<1.44	>1.44&<5
Conventionals	pH	pH units	SM4500H B	6.99	7.25	6.87	7.18	7.52	7.54	6.68	7.05	6.89
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	149	33	38	108	56	74	109	25	18
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	1.46	0.254	0.242	1.48	<0.121	<0.121	2.55	0.508	0.218
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	25.1	12.4	8.55	17.2	14.3	7.94	64.6	13	7.1
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	93	32	28	60	44	>10&<20	216	30	>10&<20
General	Chloride	mg/L	EPA 300.0	28.4	8.01	6.4	92	14.3	42.9	36.3	8.75	6.75
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.192	0.213	0.172	0.228	0.166	0.129	0.338	0.235	0.178
General	Fluoride	mg/L	EPA300.0	0.382	0.16	0.13	0.43	0.17	0.2	0.631	0.2	0.11
General	Hardness as $CaCO_3$	mg/L	SM2340C	135	45	48	213	90	115	145	33	25
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	4	1.16	1.22	4.32	1.12	1.24	5.58	1.2	2.16
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	1.64	0.59	>0.01&<0.5	<0.01	>0.01&<0.5	>0.01&<0.5	3.05	0.82	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	1.21	0.21	0.2	1.22	<0.1	<0.1	2.11	0.42	0.18
General	Nitrate (NO_3)	mg/L	EPA300.0	11	2.67	2.66	22	4.07	8.47	12.3	3.28	2.19
General	Nitrate-N	mg/L	EPA300.0	2.47	0.603	0.6	4.97	0.919	1.91	2.77	0.74	0.494
General	Nitrite-N	mg/L	EPA300.0	0.316	>0.02&<0.1	>0.02&<0.1	0.301	>0.02&<0.1	>0.02&<0.1	0.316	>0.02&<0.1	<0.02
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	0.947	0.683	0.946	0.574	0.99	0.593	1.03	0.515	0.409
General	Specific Conductance	umhos/cm	SM2510 B	330	128	107	775	212	431	325	113	87
General	Sulfate	mg/L	EPA300.0	41.9	12.3	9.74	128	22.9	50.6	39.7	9.5	6.46
General	Total Dissolved Solids	mg/L	SM2540C	272	102	94	526	176	244	268	92	24
General	Total Organic Carbon	mg/L	SM5310	18.5	7.92	6.19	17.4	18.9	6.43	35.6	10.1	4.93
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	1760	72	479	56	375	851	672	74	152
General	Turbidity	NTU	SM2130B	32.2	11.5	19.4	12.9	40.4	195	31.7	10.1	21.5
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	394	23	92	19	74	129	197	26	37

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Coyote Creek at Spring Street S13 2014-15Event04 10/31/2014	Coyote Creek at Spring Street S13 2014-15Event09 12/02/2014	Coyote Creek at Spring Street S13 2014-15Event10 12/12/2014	San Gabriel River at SGR Parkway S14 2014-15Event04	San Gabriel River at SGR Parkway S14 2014-15Event09	San Gabriel River at SGR Parkway S14 2014-15Event10	Dominguez Channel at Artesia Blvd. S28 2014-15Event04	Dominguez Channel at Artesia Blvd. S28 2014-15Event09	Dominguez Channel at Artesia Blvd. S28 2014-15Event10
Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	14	<5	<5	11	<5	<5	18	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	1360	1600	675	<50	2780	1060	1390	695	607
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	3.16	1.74	1.07	2.55	0.871	0.897	5.44	3.19	1.59
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	2.75	1.77	1.5	1.35	1.87	1.6	3.5	1.78	1.43
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	131	83.3	52.1	55.2	128	87.8	133	51.7	38.2
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	<0.1	<0.1	<0.1	>0.1&<0.5	>0.1&<0.5	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	1.06	0.539	0.37	<0.1	0.465	>0.1&<0.25	1.33	0.368	0.279
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	6.33	3.77	1.62	1.93	4.34	2.5	6.57	2.86	2.08
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	<0.25	<0.25	<0.25	<0.25	<0.25	>0.25&<5	>0.25&<5
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	**52.8***	**40.6***	**20***	9.23	**21.5***	8.78	**172***	**44.8***	**27.8***
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	2380	1900	735	>50&<100	2640	1360	2830	890	832
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	30	26.4	15.3	0.637	29.7	10	38.8	16.6	**14.2***
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	13.8	8.19	4.68	6.19	5.32	4.32	17	5.08	3.2
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	<0.5	<0.5	<0.5	1.07	<0.5	>0.5&<1	<0.5	<0.5	<0.5
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**472***	**377***	**143***	53	107	36.4	**880***	**294***	**142***
Metals	Aluminum	ug/L	EPA1640/EPA200.8	7800	8350	5650	1330	16900	4320	6800	3150	2180
Metals	Antimony	ug/L	EPA1640/EPA200.8	8.06	5.64	3.32	3.64	2.8	1.3	13.5	7.36	2.86
Metals	Arsenic	ug/L	EPA 200.8	4.1	3.27	2.96	1.86	6.72	3.47	4.27	2.63	1.56
Metals	Barium	ug/L	EPA1640/EPA200.8	222	149	112	96.2	242	107	212	89.3	56.1
Metals	Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	<0.1	0.719	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	<0.1
Metals	Cadmium	ug/L	EPA1640/EPA200.8	1.22	0.741	0.545	0.26	0.643	>0.1&<0.25	1.52	0.519	0.344
Metals	Chromium	ug/L	EPA1640/EPA200.8	17.8	16	11.2	4.96	20.9	6.45	16.9	8.2	5.51
Metals	Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	<0.25	<0.25	<0.25	<0.25	<0.25	>0.25&<5	>0.25&<5
Metals	Copper	ug/L	EPA1640/EPA200.8	80.9	58.9	34.8	21.5	38.6	13.3	251	63.4	32.8
Metals	Iron	ug/L	EPA1640/EPA200.8	13600	9650	7780	2310	20000	5910	11500	3680	2810
Metals	Lead	ug/L	EPA1640/EPA200.8	35.7	38	25	8.06	46.6	11.8	51	24.4	16.1
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	24.5	16.9	12.8	10.2	14.1	6.66	27	8.99	5.15
Metals	Selenium	ug/L	EPA1640/EPA200.8	>0.5&<1	>0.5&<1	>0.5&<1	1.38	>0.5&<1	>0.5&<1	>0.5&<1	<0.5	<0.5
Metals	Silver	ug/L	EPA1640/EPA200.8	0.358	0.253	>0.1&<0.25	<0.1	>0.1&<0.25	<0.1	0.582	>0.1&<0.25	<0.1
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	>0.1&<1	>0.1&<1	<0.1	>0.1&<1	<0.1	<0.1	<0.1	<0.1
Metals	Zinc	ug/L	EPA1640/EPA200.8	605	500	297	178	145	49.2	1100	397	157
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3	<3	<3	<3	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	>0.67&<2	>0.67&<2	<0.67	<0.67	>0.67&<2	<0.67	>0.67&<2	>0.67&<2
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	<0.03	<0.03	<0.03	>0.03&<0.1	<0.03	<0.03	<0.03	<0.03	<0.03

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Coyote Creek at Spring Street S13 2014-15Event04 10/31/2014	Coyote Creek at Spring Street S13 2014-15Event09 12/02/2014	Coyote Creek at Spring Street S13 2014-15Event10 12/12/2014	San Gabriel River at SGR Parkway S14 2014-15Event04	San Gabriel River at SGR Parkway S14 2014-15Event09	San Gabriel River at SGR Parkway S14 2014-15Event10	Dominguez Channel at Artesia Blvd. S28 2014-15Event04	Dominguez Channel at Artesia Blvd. S28 2014-15Event09	Dominguez Channel at Artesia Blvd. S28 2014-15Event10
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	0.91	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.

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Group	Parameter	Units	Analysis Method	Santa Clara River S29 2014-15Event04 10/31/2014	Santa Clara River S29 2014-15Event09 12/02/2014	Santa Clara River S29 2014-15Event10 12/12/2014
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**46110***	**16000***	**61310***
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	50000	170000	140000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	1700000	1600000	300000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	1700000	1600000	300000
Bacteria	Total Coliform	MPN/100mL	SM9221B	160000	300000	2200000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	0.012	0.011	<0.005
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	7.64^	8.21^	10.45^
Conventionals	Oil and Grease	mg/L	EPA1664A	>1.44&<5	<1.44	>1.44&<5
Conventionals	pH	pH units	SM4500H B	7.23^	7.72^	7.58^
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	83	133	33
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	0.908	1.25	0.29
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	55.6	9.98	13.4
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	102	49	>10&<20
General	Chloride	mg/L	EPA 300.0	34.1	48	5.47
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.387	0.167	0.202
General	Fluoride	mg/L	EPA300.0	0.599	0.49	0.1
General	Hardness as $CaCO_3$	mg/L	SM2340C	140	228	38
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	2.08	1.53	2.54
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	0.55	1.63	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	0.75	1.03	0.24
General	Nitrate (NO_3)	mg/L	EPA300.0	10.6	7.61	1.71
General	Nitrate-N	mg/L	EPA300.0	2.39	1.72	0.386
General	Nitrite-N	mg/L	EPA300.0	>0.02&<0.1	0.131	<0.02
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	1.69	0.584	1.1
General	Specific Conductance	umhos/cm	SM2510 B	644^	484^	78^
General	Sulfate	mg/L	EPA300.0	58.6	127	10.5
General	Total Dissolved Solids	mg/L	SM2540C	294	464	92
General	Total Organic Carbon	mg/L	SM5310	12	20.9	5.43
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	1210	199	1130
General	Turbidity	NTU	SM2130B	113^	234.4^	978^
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	222	48	159

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Santa Clara River S29 2014-15Event04 10/31/2014	Santa Clara River S29 2014-15Event09 12/02/2014	Santa Clara River S29 2014-15Event10 12/12/2014
Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	21	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	5050	1900	1870
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	2.26	2.95	0.696
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	2.62	1.94	1.68
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	227	121	121
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	0.578	<0.1	>0.1&<0.5
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	1.66	0.647	0.599
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	7.7	5.75	0.983
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	2.56	<0.25
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	**85.4***	**43.7***	**23.2***
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	5100	1920	1240
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	23.4	46.4	12.8
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	13.1	9.18	5.69
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	<0.5	1.63	<0.5
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**437***	157	**108***
Metals	Aluminum	ug/L	EPA1640/EPA200.8	27400	6450	31800
Metals	Antimony	ug/L	EPA1640/EPA200.8	4.87	6.49	1.9
Metals	Arsenic	ug/L	EPA 200.8	6.67	2.44	5.75
Metals	Barium	ug/L	EPA1640/EPA200.8	505	262	314
Metals	Beryllium	ug/L	EPA1640/EPA200.8	0.833	>0.1&<0.5	0.945
Metals	Cadmium	ug/L	EPA1640/EPA200.8	2	0.851	0.992
Metals	Chromium	ug/L	EPA1640/EPA200.8	35	11.7	25.4
Metals	Chromium +6	ug/L	EPA218.6	<0.25	2.56	<0.25
Metals	Copper	ug/L	EPA1640/EPA200.8	201	57.6	43.6
Metals	Iron	ug/L	EPA1640/EPA200.8	54200	5730	42400
Metals	Lead	ug/L	EPA1640/EPA200.8	43.3	57	33.7
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	29.5	14.1	23.6
Metals	Selenium	ug/L	EPA1640/EPA200.8	<0.5	2.12	>0.5&<1
Metals	Silver	ug/L	EPA1640/EPA200.8	0.868	<0.1	0.289
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	<0.1	>0.1&<1
Metals	Zinc	ug/L	EPA1640/EPA200.8	630	195	163
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	<0.03	<0.03	<0.03

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Santa Clara River S29 2014-15Event04 10/31/2014	Santa Clara River S29 2014-15Event09 12/02/2014	Santa Clara River S29 2014-15Event10 12/12/2014
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.

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Group	Parameter	Units	Analysis Method	Upper Las Virgenes Creek TS25 2014-15Event04 10/31/2014	Upper Las Virgenes Creek TS25 2014-15Event08 11/30/2014	Upper Las Virgenes Creek TS25 2014-15Event09 12/02/2014	Upper Las Virgenes Creek TS25 2014-15Event10 12/12/2014
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**44100***	**7400***	**12033***	**19863***
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	240000	5000	130000	50000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	240000	300000	300000	240000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	240000	300000	300000	240000
Bacteria	Total Coliform	MPN/100mL	SM9221B	240000	50000	130000	500000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	<0.005	0.006	<0.005	<0.005
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	**3.79***	5.19	10.1	9.98
Conventionals	Oil and Grease	mg/L	EPA1664A	<1.44	<1.44	<1.44	<1.44
Conventionals	pH	pH units	SM4500H B	7.2	6.95	7.44	7.48
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	143	81	48	56
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	2.9	1.01	0.206	0.218
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	57.8	17.8	5.29	7.8
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	137	42	>10&<20	<10
General	Chloride	mg/L	EPA 300.0	83.2	29.6	40.7	30.6
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.712	0.476	0.287	0.294
General	Fluoride	mg/L	EPA300.0	0.503	0.37	0.18	0.17
General	Hardness as $CaCO_3$	mg/L	SM2340C	408	245	168	100
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	6.28	1.21	1.28	2.28
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	1.52	0.9	>0.01&<0.5	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	2.4	0.838	0.17	0.18
General	Nitrate (NO_3)	mg/L	EPA300.0	8.69	5	3.07	2.6
General	Nitrate-N	mg/L	EPA300.0	1.96	1.13	0.693	0.587
General	Nitrite-N	mg/L	EPA300.0	0.543	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	2.04	0.863	0.509	0.932
General	Specific Conductance	umhos/cm	SM2510 B	942	650	420	328
General	Sulfate	mg/L	EPA300.0	287	75.3	69.3	49.7
General	Total Dissolved Solids	mg/L	SM2540C	774	552	256	192
General	Total Organic Carbon	mg/L	SM5310	31.1	14.4	7.76	6.02
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	<1.5	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	1340	170	89	283
General	Turbidity	NTU	SM2130B	19.3	11	12	22.5
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	243	39	19	49

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Upper Las Virgenes Creek TS25 2014-15Event04 10/31/2014	Upper Las Virgenes Creek TS25 2014-15Event08 11/30/2014	Upper Las Virgenes Creek TS25 2014-15Event09 12/02/2014	Upper Las Virgenes Creek TS25 2014-15Event10 12/12/2014
Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	<5	17	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	1670	845	450	1330
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	1.54	0.886	0.612	0.585
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	5.03	2.68	1.66	2.22
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	118	41.4	29.2	68.5
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	<0.1	<0.1	>0.1&<0.5
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	6.31	0.944	0.435	1.38
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	8.53	5.69	2.34	4.92
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	29.4	25.8	11.7	**21.1***
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	4350	1200	650	2240
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	10.8	2.95	1.81	3.85
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	49	13.1	6.74	12.4
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	4.12	3.93	2.74	1.76
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**483***	97.5	57.9	78.8
Metals	Aluminum	ug/L	EPA1640/EPA200.8	17000	4180	2020	5490
Metals	Antimony	ug/L	EPA1640/EPA200.8	4.67	1.98	1.39	1.57
Metals	Arsenic	ug/L	EPA 200.8	7.7	2.78	2.29	3.03
Metals	Barium	ug/L	EPA1640/EPA200.8	407	76.7	52.7	105
Metals	Beryllium	ug/L	EPA1640/EPA200.8	0.513	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5
Metals	Cadmium	ug/L	EPA1640/EPA200.8	11.3	1.22	0.592	1.45
Metals	Chromium	ug/L	EPA1640/EPA200.8	39.3	14.1	7.03	13.7
Metals	Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals	Copper	ug/L	EPA1640/EPA200.8	259	35.9	17.5	27.6
Metals	Iron	ug/L	EPA1640/EPA200.8	28700	4650	2690	7970
Metals	Lead	ug/L	EPA1640/EPA200.8	28	4.95	3.04	5.78
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	87.3	21.9	12.1	21.6
Metals	Selenium	ug/L	EPA1640/EPA200.8	8.6	4.62	3.41	2.05
Metals	Silver	ug/L	EPA1640/EPA200.8	1.55	>0.1&<0.25	<0.1	>0.1&<0.25
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	>0.1&<1	<0.1	>0.1&<1
Metals	Zinc	ug/L	EPA1640/EPA200.8	840	134	76.4	102
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	<0.03	<0.03	<0.03	<0.03

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Group	Parameter	Units	Analysis Method	Upper Las Virgenes Creek TS25 2014-15Event04 10/31/2014	Upper Las Virgenes Creek TS25 2014-15Event08 11/30/2014	Upper Las Virgenes Creek TS25 2014-15Event09 12/02/2014	Upper Las Virgenes Creek TS25 2014-15Event10 12/12/2014
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.

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Group	Parameter	Units	Analysis Method	Cheseboro Canyon TS26 2014-15Event04 10/31/2014	Cheseboro Canyon TS26 2014-15Event08 11/30/2014	Cheseboro Canyon TS26 2014-15Event09 12/02/2014	Cheseboro Canyon TS26 2014-15Event10 12/12/2014
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**21600***	**4100***	**11199***	**41060***
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	50000	3000	13000	240000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	2800000	170000	240000	160000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	2800000	170000	240000	160000
Bacteria	Total Coliform	MPN/100mL	SM9221B	160000	500000	240000	240000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	0.006	0.006	<0.005	<0.005
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	**3.92***	**4.66***	9.97	9.91
Conventionals	Oil and Grease	mg/L	EPA1664A	<1.44	<1.44	<1.44	<1.44
Conventionals	pH	pH units	SM4500H B	7.36	6.75	7.32	7.24
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	123	74	51	31
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	2.66	1.4	0.254	0.182
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	67.4	22.2	11.1	7.45
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	296	65	25	21
General	Chloride	mg/L	EPA 300.0	59.4	30	10	10.3
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.387	0.348	0.226	0.181
General	Fluoride	mg/L	EPA300.0	0.593	0.36	0.15	0.14
General	Hardness as $CaCO_3$	mg/L	SM2340C	275	145	53	56
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	6.68	1.53	0.92	0.6
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	2.65	1.49	0.54	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	2.2	1.16	0.21	0.15
General	Nitrate (NO_3)	mg/L	EPA300.0	8.99	4.97	2.2	3.94
General	Nitrate-N	mg/L	EPA300.0	2.03	1.12	0.497	0.889
General	Nitrite-N	mg/L	EPA300.0	0.51	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	1.46	0.963	0.558	0.404
General	Specific Conductance	umhos/cm	SM2510 B	653	380	178	179
General	Sulfate	mg/L	EPA300.0	159	75.3	24.3	26.9
General	Total Dissolved Solids	mg/L	SM2540C	650	326	112	98
General	Total Organic Carbon	mg/L	SM5310	44.5	23.6	9.03	7.64
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	<1.5	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	2720	161	165	290
General	Turbidity	NTU	SM2130B	25.9	37.5	22.1	22.1
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	585	31	35	61

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Group	Parameter	Units	Analysis Method	Cheseboro Canyon TS26 2014-15Event04 10/31/2014	Cheseboro Canyon TS26 2014-15Event08 11/30/2014	Cheseboro Canyon TS26 2014-15Event09 12/02/2014	Cheseboro Canyon TS26 2014-15Event10 12/12/2014
Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	<5	<5	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	1870	3350	995	1270
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	4.26	1.32	1.04	0.669
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	3.09	1.81	1.13	1.08
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	128	102	35.1	37.3
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	>0.1&<0.5	<0.1	<0.1
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	4.5	2.93	0.544	0.625
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	10.2	8.77	4.09	5.98
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	30.5	**36.1***	**16.3***	**13.6***
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	4880	4230	1640	2500
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	52.5	16.7	5.05	6.96
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	23.6	16	6.36	8.45
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	1.62	>0.5&<1	<0.5	>0.5&<1
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**745***	**190***	**90.9***	67.7
Metals	Aluminum	ug/L	EPA1640/EPA200.8	20700	26400	4730	4440
Metals	Antimony	ug/L	EPA1640/EPA200.8	8.42	4.46	2.78	1.69
Metals	Arsenic	ug/L	EPA 200.8	5.23	5.28	1.79	1.36
Metals	Barium	ug/L	EPA1640/EPA200.8	299	235	65.2	57.2
Metals	Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	0.673	>0.1&<0.5	>0.1&<0.5
Metals	Cadmium	ug/L	EPA1640/EPA200.8	8.13	4.68	0.934	0.759
Metals	Chromium	ug/L	EPA1640/EPA200.8	34.6	29.3	10.7	10.6
Metals	Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals	Copper	ug/L	EPA1640/EPA200.8	174	56.2	24.8	18
Metals	Iron	ug/L	EPA1640/EPA200.8	34400	28800	6350	6260
Metals	Lead	ug/L	EPA1640/EPA200.8	90	28.8	8.27	8.6
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	48.3	33.5	12.6	12.6
Metals	Selenium	ug/L	EPA1640/EPA200.8	4.71	1.91	>0.5&<1	1.09
Metals	Silver	ug/L	EPA1640/EPA200.8	0.502	0.767	<0.1	<0.1
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	>0.1&<1	>0.1&<1	<0.1
Metals	Zinc	ug/L	EPA1640/EPA200.8	1030	465	143	87.4
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	<0.67	>0.67&<2	>0.67&<2
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	<0.03	<0.03	<0.03	<0.03

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Cheseboro Canyon TS26 2014-15Event04 10/31/2014	Cheseboro Canyon TS26 2014-15Event08 11/30/2014	Cheseboro Canyon TS26 2014-15Event09 12/02/2014	Cheseboro Canyon TS26 2014-15Event10 12/12/2014
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	18	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Lower Lindero Creek TS27 2014-15Event04 10/31/2014	Lower Lindero Creek TS27 2014-15Event08 11/30/2014	Lower Lindero Creek TS27 2014-15Event09 12/02/2014	Lower Lindero Creek TS27 2014-15Event10 12/12/2014	Medea Creek TS28 2014-15Event04 10/31/2014	Medea Creek TS28 2014-15Event08 11/30/2014	Medea Creek TS28 2014-15Event09 12/02/2014	Medea Creek TS28 2014-15Event10 12/12/2014
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**2359***	**6700***	**7270***	**13330***	**21870***	**15000***	**10810***	**4100***
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	2400	24000	30000	80000	160000	50000	28000	5000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	1700	11000	50000	300000	90000	160000	500000	22000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	1700	17000	50000	300000	240000	160000	500000	22000
Bacteria	Total Coliform	MPN/100mL	SM9221B	11000	30000	300000	1100000	300000	90000	35000	110000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	**3.54***	5.05	9.67	9.79	**3.57***	**4.91***	9.26	9.99
Conventionals	Oil and Grease	mg/L	EPA1664A	<1.44	<1.44	<1.44	<1.44	<1.44	<1.44	<1.44	<1.44
Conventionals	pH	pH units	SM4500H B	7.32	7.26	7.79	7.66	7.39	7.22	7.6	7.5
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	116	114	101	61	146	123	71	60
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	1.67	<0.121	0.133	<0.121	1.39	0.612	<0.121	<0.121
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	50	17.5	6.49	6.69	30.7	15.4	17.3	7.7
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	101	39	24	21	77	38	>10&<20	<10
General	Chloride	mg/L	EPA 300.0	110	116	120	57.7	137	78.5	46.8	43.3
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.152	0.209	0.075	0.192	0.234	0.28	0.157	0.194
General	Fluoride	mg/L	EPA300.0	0.488	0.38	0.34	0.22	0.492	0.36	0.22	0.21
General	Hardness as $CaCO_3$	mg/L	SM2340C	400	455	438	228	578	430	250	170
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	3.4	1.11	0.96	1.64	3.16	0.86	1	1.42
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	0.99	1.13	>0.01&<0.5	>0.01&<0.5	1.03	0.93	>0.01&<0.5	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	1.38	<0.1	0.11	<0.1	1.15	0.506	<0.1	<0.1
General	Nitrate (NO_3)	mg/L	EPA300.0	7.79	3.25	2.06	5.57	9.49	3.77	2.62	2.98
General	Nitrate-N	mg/L	EPA300.0	1.76	0.734	0.465	1.26	2.14	0.851	0.591	0.673
General	Nitrite-N	mg/L	EPA300.0	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	1.15	0.703	0.328	0.54	0.932	0.633	0.62	0.692
General	Specific Conductance	umhos/cm	SM2510 B	1080	1270	1390	766	1450	1080	677	518
General	Sulfate	mg/L	EPA300.0	342	388	391	163	**508***	324	156	105
General	Total Dissolved Solids	mg/L	SM2540C	872	1010	942	444	1150	868	426	352
General	Total Organic Carbon	mg/L	SM5310	18.4	15.2	9.65	5.67	14.9	14.2	8.01	5.76
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	1100	138	20	208	451	139	189	303
General	Turbidity	NTU	SM2130B	20.4	12.4	15.5	43.2	11.7	12.6	14	27.2
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	256	49	9	38	103	36	52	59

Appendix B.1 2014-2015 Annual Monitoring Report Wet Weather Concentrations

Group	Parameter	Units	Analysis Method	Lower Lindero Creek TS27 2014-15Event04 10/31/2014	Lower Lindero Creek TS27 2014-15Event08 11/30/2014	Lower Lindero Creek TS27 2014-15Event09 12/02/2014	Lower Lindero Creek TS27 2014-15Event10 12/12/2014	Medea Creek TS28 2014-15Event04 10/31/2014	Medea Creek TS28 2014-15Event08 11/30/2014	Medea Creek TS28 2014-15Event09 12/02/2014	Medea Creek TS28 2014-15Event10 12/12/2014
Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	<5	<5	<5	<5	<5	<5	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	3850	1030	215	632	1380	600	695	950
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	2.23	1.65	0.869	0.633	1.43	1.53	0.816	0.541
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	1.76	1.38	1.53	2.09	2.86	1.39	2.03	2.05
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	113	48.6	25.6	29.2	65.5	36.5	36.4	39.2
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	0.761	>0.1&<0.5	<0.1	<0.1	>0.1&<0.5	<0.1	<0.1	>0.1&<0.5
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	**46.4***	5.23	0.728	1.04	**26.9***	5.91	8.19	5.47
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	10.4	3.77	1.03	2.75	5.18	3.85	1.73	3.32
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	<0.25	<0.25	>0.25&<5	<0.25	<0.25
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	**83.9***	**49.9***	17.9	19.6	**74.4***	29.5	28.1	**23.5***
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	9650	1770	348	1440	3130	1170	1970	2500
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	17.7	4.39	1.2	1.81	11.7	3.64	3.94	4.18
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	52.4	16.6	6.13	7.52	34.6	14.8	12.7	11.4
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	<0.5	1.52	1.76	1.8	2.64	1.95	1.83	1.54
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**645***	127	33.9	26.5	**398***	110	80.4	59.2
Metals	Aluminum	ug/L	EPA1640/EPA200.8	12500	3430	1200	2730	6900	2310	3800	3920
Metals	Antimony	ug/L	EPA1640/EPA200.8	7.9	3.27	1.5	1.1	4.29	2.87	2.11	1.31
Metals	Arsenic	ug/L	EPA 200.8	2.73	1.83	1.54	2.12	3.28	1.97	2.38	2.59
Metals	Barium	ug/L	EPA1640/EPA200.8	248	75.5	46.1	42.9	167	57.5	66.4	61.4
Metals	Beryllium	ug/L	EPA1640/EPA200.8	0.832	>0.1&<0.5	<0.1	>0.1&<0.5	>0.1&<0.5	<0.1	>0.1&<0.5	>0.1&<0.5
Metals	Cadmium	ug/L	EPA1640/EPA200.8	58	6.24	1	1.18	34	7.05	10.7	5.8
Metals	Chromium	ug/L	EPA1640/EPA200.8	27.7	7.35	3.53	6.44	13.1	5.94	7.42	7.47
Metals	Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	<0.25	<0.25	>0.25&<5	<0.25	<0.25
Metals	Copper	ug/L	EPA1640/EPA200.8	228	60.4	24.4	23	146	37.1	39.8	28.4
Metals	Iron	ug/L	EPA1640/EPA200.8	18800	4100	1440	4860	12300	3030	6550	7250
Metals	Lead	ug/L	EPA1640/EPA200.8	26.7	5.9	2.12	2.59	17	5.45	6.35	5.7
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	66.1	21.1	9.43	11.3	48.4	18.5	19.5	15.7
Metals	Selenium	ug/L	EPA1640/EPA200.8	>0.5&<1	1.74	2.32	2.01	4.2	2.45	3.63	2.47
Metals	Silver	ug/L	EPA1640/EPA200.8	1.39	>0.1&<0.25	<0.1	<0.1	0.415	>0.1&<0.25	>0.1&<0.25	>0.1&<0.25
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	<0.1	<0.1	>0.1&<1	>0.1&<1	<0.1	>0.1&<1	>0.1&<1
Metals	Zinc	ug/L	EPA1640/EPA200.8	830	164	58.3	37.3	530	144	116	76.1
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3	<3	<3	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03

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Group	Parameter	Units	Analysis Method	Lower Lindero Creek TS27 2014-15Event04 10/31/2014	Lower Lindero Creek TS27 2014-15Event08 11/30/2014	Lower Lindero Creek TS27 2014-15Event09 12/02/2014	Lower Lindero Creek TS27 2014-15Event10 12/12/2014	Medea Creek TS28 2014-15Event04 10/31/2014	Medea Creek TS28 2014-15Event08 11/30/2014	Medea Creek TS28 2014-15Event09 12/02/2014	Medea Creek TS28 2014-15Event10 12/12/2014
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	20	16	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1	<1	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.

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Group	Parameter	Units	Analysis Method	Liberty Canyon Channel TS29 2014-15Event04 10/31/2014	Liberty Canyon Channel TS29 2014-15Event08 11/30/2014	Liberty Canyon Channel TS29 2014-15Event09 12/02/2014	Liberty Canyon Channel TS29 2014-15Event10 12/12/2014
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**30760***	**48900***	**8164***	**18300***
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	300000	160000	17000	110000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	500000	280000	300000	160000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	500000	280000	300000	160000
Bacteria	Total Coliform	MPN/100mL	SM9221B	500000	900000	35000	500000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	0.012	0.007	<0.005	<0.005
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	**4.74***	5.19	10	9.58
Conventionals	Oil and Grease	mg/L	EPA1664A	<1.44	<1.44	<1.44	<1.44
Conventionals	pH	pH units	SM4500H B	7.16	7.13	7.33	7.27
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	118	90	33	30
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	2.5	1.68	0.145	<0.121
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	56.8	13	5.87	5.08
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	132	54	22	>10&<20
General	Chloride	mg/L	EPA 300.0	61.1	134	31.4	21
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.647	0.337	0.22	0.199
General	Fluoride	mg/L	EPA300.0	0.49	0.52	0.23	0.18
General	Hardness as $CaCO_3$	mg/L	SM2340C	210	353	85	73
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	4.68	2.02	1.44	0.98
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	1.92	0.79	>0.01&<0.5	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	2.07	1.39	0.12	<0.1
General	Nitrate (NO_3)	mg/L	EPA300.0	12	6.27	3.09	3
General	Nitrate-N	mg/L	EPA300.0	2.71	1.42	0.698	0.677
General	Nitrite-N	mg/L	EPA300.0	0.181	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	1.59	0.771	0.459	0.643
General	Specific Conductance	umhos/cm	SM2510 B	556	1100	330	258
General	Sulfate	mg/L	EPA300.0	97.9	262	52.6	42.9
General	Total Dissolved Solids	mg/L	SM2540C	438	836	192	154
General	Total Organic Carbon	mg/L	SM5310	29	19.7	10.1	6.55
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	<1.5	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	1140	298	160	420
General	Turbidity	NTU	SM2130B	14.9	11.1	23.4	42.1
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	322	77	28	62

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Group	Parameter	Units	Analysis Method	Liberty Canyon Channel TS29 2014-15Event04 10/31/2014	Liberty Canyon Channel TS29 2014-15Event08 11/30/2014	Liberty Canyon Channel TS29 2014-15Event09 12/02/2014	Liberty Canyon Channel TS29 2014-15Event10 12/12/2014
Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	<5	<5	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	2290	1070	800	1550
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	1.13	1.07	1.02	0.567
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	3.7	2.97	1.56	1.36
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	107	54.8	34	48.9
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	<0.1	<0.1	>0.1&<0.5
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	7.05	1.83	1.19	1.99
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	6	3.73	2.36	4.97
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	**99.7***	35.6	**15.1***	**16.9***
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	6600	1940	1270	2960
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	17.6	5.12	7.56	10.6
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	22.8	10.8	5.82	9.26
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	<0.5	4.91	1.31	1.07
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**655***	112	62.2	64.6
Metals	Aluminum	ug/L	EPA1640/EPA200.8	12000	4750	4950	6730
Metals	Antimony	ug/L	EPA1640/EPA200.8	4.52	2.72	2.62	1.89
Metals	Arsenic	ug/L	EPA 200.8	5.74	3.28	2.98	3.13
Metals	Barium	ug/L	EPA1640/EPA200.8	239	107	64.6	80.3
Metals	Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5	>0.1&<0.5
Metals	Cadmium	ug/L	EPA1640/EPA200.8	9.59	2.53	1.87	2.46
Metals	Chromium	ug/L	EPA1640/EPA200.8	21.9	8.55	10.1	12.3
Metals	Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals	Copper	ug/L	EPA1640/EPA200.8	246	48.4	23.5	22.3
Metals	Iron	ug/L	EPA1640/EPA200.8	20100	6580	7480	11600
Metals	Lead	ug/L	EPA1640/EPA200.8	28.7	8.46	12.8	14.3
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	35.9	17.3	12.5	16.1
Metals	Selenium	ug/L	EPA1640/EPA200.8	1.48	5.5	1.98	1.35
Metals	Silver	ug/L	EPA1640/EPA200.8	0.889	>0.1&<0.25	<0.1	>0.1&<0.25
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	>0.1&<1	>0.1&<1	>0.1&<1
Metals	Zinc	ug/L	EPA1640/EPA200.8	685	155	97.8	91.1
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	>0.03&<0.1	<0.03	<0.03	<0.03

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Group	Parameter	Units	Analysis Method	Liberty Canyon Channel TS29 2014-15Event04 10/31/2014	Liberty Canyon Channel TS29 2014-15Event08 11/30/2014	Liberty Canyon Channel TS29 2014-15Event09 12/02/2014	Liberty Canyon Channel TS29 2014-15Event10 12/12/2014
Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.

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Group	Parameter	Units	Analysis Method	PD 728 at Foxfield Dr. TS30 2014-15Event04 10/31/2014	PD 728 at Foxfield Dr. TS30 2014-15Event08 11/30/2014	PD 728 at Foxfield Dr. TS30 2014-15Event09 12/02/2014	PD 728 at Foxfield Dr. TS30 2014-15Event10 12/12/2014
Bacteria	E. Coli	MPN/100mL	SM 9223/SM9221B/F	**9600***	**8620***	**20100***	**6131***
Bacteria	Fecal Coliform	MPN/100mL	SM9221E/SM9221B	16000	17000	80000	130000
Bacteria	Fecal Enterococcus	MPN/100mL	SM9230B	280000	160000	500000	170000
Bacteria	Fecal Streptococcus	MPN/100mL	SM9230B	280000	160000	500000	170000
Bacteria	Total Coliform	MPN/100mL	SM9221B	90000	28000	80000	500000
Chlorinated Pesticides	4-4'-DDD	ug/L	EPA608	<0.011	<0.011	<0.011	<0.011
Chlorinated Pesticides	4-4'-DDE	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	4-4'-DDT	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Aldrin	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Dieldrin	ug/L	EPA608	<0.002	<0.002	<0.002	<0.002
Chlorinated Pesticides	Endosulfan I (alpha)	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Endosulfan II (beta)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	Endosulfan sulfate	ug/L	EPA608	<0.05	<0.05	<0.05	<0.05
Chlorinated Pesticides	Endrin	ug/L	EPA608	<0.006	<0.006	<0.006	<0.006
Chlorinated Pesticides	Endrin aldehyde	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Heptachlor	ug/L	EPA608	<0.003	<0.003	<0.003	<0.003
Chlorinated Pesticides	Heptachlor Epoxide	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	Methoxychlor	ug/L	EPA608	<0.5	<0.5	<0.5	<0.5
Chlorinated Pesticides	Toxaphene	ug/L	EPA608	<0.24	<0.24	<0.24	<0.24
Chlorinated Pesticides	alpha-BHC	ug/L	EPA608	<0.01	<0.01	<0.01	<0.01
Chlorinated Pesticides	alpha-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Chlorinated Pesticides	beta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	delta-BHC	ug/L	EPA608	<0.005	<0.005	<0.005	<0.005
Chlorinated Pesticides	gamma-BHC (lindane)	ug/L	EPA608	<0.004	<0.004	<0.004	<0.004
Chlorinated Pesticides	gamma-chlordane	ug/L	EPA608	<0.033	<0.033	<0.033	<0.033
Conventionals	Cyanide	mg/L	SM4500-CNE	0.007	<0.005	<0.005	<0.005
Conventionals	Dissolved Oxygen	mg/L	SM4500O G	**4.1***	5.04	10	9.84
Conventionals	Oil and Grease	mg/L	EPA1664A	<1.44	<1.44	<1.44	<1.44
Conventionals	pH	pH units	SM4500H B	7.28	7.37	7.51	7.47
General	Alkalinity as $CaCO_3$	mg/L	SM 2320B	108	103	66	56
General	Ammonia	mg/L	EPA350.1/SM 4500-NH3 C	1.13	1.21	0.133	0.206
General	BioChemical Oxygen Demand- Five-Day	mg/L	SM 5210	26.4	16.3	5.77	13.9
General	Chemical Oxygen Demand	mg/L	EPA410.4/SM5220D	129	47	27	26
General	Chloride	mg/L	EPA 300.0	99.5	79.6	54.6	55.6
General	Dissolved Phosphorus	mg/L	EPA365.1/SM 4500-P E	0.677	0.411	0.375	0.544
General	Fluoride	mg/L	EPA300.0	0.456	0.33	0.22	0.21
General	Hardness as $CaCO_3$	mg/L	SM2340C	270	258	108	138
General	Kjeldahl-N	mg/L	EPA351.2/SM4500-NHorg C	3.24	1.34	1.44	0.7
General	Methyl Tertiary Butyl Ether (MTBE)	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
General	Methylene Blue Active Substances (MBAS)	mg/L	SM5540-C	1.62	0.82	>0.01&<0.5	>0.01&<0.5
General	NH_3-N	mg/L	EPA350.1/SM 4500-NH3 C	0.93	1	0.11	0.17
General	Nitrate (NO_3)	mg/L	EPA300.0	13.6	3.79	3.39	4.02
General	Nitrate-N	mg/L	EPA300.0	3.08	0.856	0.765	0.907
General	Nitrite-N	mg/L	EPA300.0	0.116	>0.02&<0.1	>0.02&<0.1	>0.02&<0.1
General	Phosphorus- Total (as P)	mg/L	EPA365.1/SM4500-PE	1.08	0.797	0.518	0.725
General	Specific Conductance	umhos/cm	SM2510 B	801	735	547	506
General	Sulfate	mg/L	EPA300.0	172	150	85.4	72.6
General	Total Dissolved Solids	mg/L	SM2540C	600	564	330	276
General	Total Organic Carbon	mg/L	SM5310	35	10.4	10.1	10
General	Total Petroleum Hydrocarbons	mg/L	EPA418.1	<1.5	<1.5	<1.5	<1.5
General	Total Suspended Solids	mg/L	SM2540D	312	164	81	97
General	Turbidity	NTU	SM2130B	13.1	10.2	11.1	13.2
General	Volatile Suspended Solids	mg/L	SM2540D/E/EPA160.4	97	64	24	28

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Group	Parameter	Units	Analysis Method	PD 728 at Foxfield Dr. TS30 2014-15Event04 10/31/2014	PD 728 at Foxfield Dr. TS30 2014-15Event08 11/30/2014	PD 728 at Foxfield Dr. TS30 2014-15Event09 12/02/2014	PD 728 at Foxfield Dr. TS30 2014-15Event10 12/12/2014
Herbicides	2-4-5-TP-SILVEX	ug/L	EPA515.3	<0.067	<0.067	<0.067	<0.067
Herbicides	2-4-D	ug/L	EPA515.3	<0.02	<0.02	<0.02	<0.02
Herbicides	Glyphosate	ug/L	EPA547	<5	<5	<5	<5
Metals	Dissolved Aluminum	ug/L	EPA1640/EPA200.8	1230	790	358	363
Metals	Dissolved Antimony	ug/L	EPA1640/EPA200.8	2.26	1.62	1.42	0.644
Metals-CMCCCC	Dissolved Arsenic	ug/L	EPA1640/EPA200.8	2.9	1.65	1.81	1.72
Metals	Dissolved Barium	ug/L	EPA1640/EPA200.8	73.1	50.4	34	29
Metals	Dissolved Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Cadmium	ug/L	EPA1640/EPA200.8	2.56	1.24	0.517	0.613
Metals-CMCCCC	Dissolved Chromium	ug/L	EPA1640/EPA200.8	5.09	2.65	1.65	2.39
Metals-CMCCCC	Dissolved Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals-CMCCCC	Dissolved Copper	ug/L	EPA1640/EPA200.8	**53.2***	25.8	**14.6***	11.5
Metals	Dissolved Iron	ug/L	EPA1640/EPA200.8	2300	1050	500	511
Metals-CMCCCC	Dissolved Lead	ug/L	EPA1640/EPA200.8	9.03	4.08	2.42	1.71
Metals	Dissolved Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Nickel	ug/L	EPA1640/EPA200.8	17.3	9.14	6.01	5.57
Metals	Dissolved Selenium	ug/L	EPA1640/EPA200.8	5.34	3.33	4.01	2.86
Metals-CMCCCC	Dissolved Silver	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals	Dissolved Thallium	ug/L	EPA1640/EPA200.8	<0.1	<0.1	<0.1	<0.1
Metals-CMCCCC	Dissolved Zinc	ug/L	EPA1640/EPA200.8	**354***	142	72.6	46.1
Metals	Aluminum	ug/L	EPA1640/EPA200.8	6000	3270	1540	1190
Metals	Antimony	ug/L	EPA1640/EPA200.8	5.43	3.66	2.55	1.01
Metals	Arsenic	ug/L	EPA 200.8	3.42	1.99	2.11	1.92
Metals	Barium	ug/L	EPA1640/EPA200.8	139	77.6	56.3	39.2
Metals	Beryllium	ug/L	EPA1640/EPA200.8	>0.1&<0.5	<0.1	<0.1	<0.1
Metals	Cadmium	ug/L	EPA1640/EPA200.8	3.18	1.64	0.702	0.66
Metals	Chromium	ug/L	EPA1640/EPA200.8	14.5	7.78	4.81	3.77
Metals	Chromium +6	ug/L	EPA218.6	<0.25	>0.25&<5	>0.25&<5	>0.25&<5
Metals	Copper	ug/L	EPA1640/EPA200.8	73.2	34.8	19.7	13.5
Metals	Iron	ug/L	EPA1640/EPA200.8	8500	3620	2000	1540
Metals	Lead	ug/L	EPA1640/EPA200.8	13.1	6.22	3.61	2.22
Metals	Mercury	ug/L	EPA245.1	<0.1	<0.1	<0.1	<0.1
Metals	Nickel	ug/L	EPA1640/EPA200.8	26.6	13.5	9.2	7.62
Metals	Selenium	ug/L	EPA1640/EPA200.8	6.41	4.18	5.82	3.52
Metals	Silver	ug/L	EPA1640/EPA200.8	>0.1&<0.25	>0.1&<0.25	<0.1	<0.1
Metals	Thallium	ug/L	EPA1640/EPA200.8	>0.1&<1	<0.1	<0.1	<0.1
Metals	Zinc	ug/L	EPA1640/EPA200.8	456	191	105	59.4
Organophosphate Pesticides	Atrazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Chlorpyrifos	ug/L	EPA8141B/EPA507	<0.02	<0.02	<0.02	<0.02
Organophosphate Pesticides	Cyanazine	ug/L	EPA8141B/EPA507	<0.667	<0.667	<0.667	<0.667
Organophosphate Pesticides	Diazinon	ug/L	EPA8141B/EPA507	<0.003	<0.003	<0.003	<0.003
Organophosphate Pesticides	Malathion	ug/L	EPA8141B/EPA507	<0.4	<0.4	<0.4	<0.4
Organophosphate Pesticides	Prometryn	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Organophosphate Pesticides	Simazine	ug/L	EPA8141B/EPA507	<0.67	<0.67	<0.67	<0.67
Polychlorinated Biphenyls	PCB-1016 (Aroclor 1016)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1221 (Aroclor 1221)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1232 (Aroclor 1232)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1242 (Aroclor 1242)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1248 (Aroclor 1248)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1254 (Aroclor 1254)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Polychlorinated Biphenyls	PCB-1260 (Aroclor 1260)	ug/L	EPA608	<0.065	<0.065	<0.065	<0.065
Semivolatile Organic Compounds (Acids)	2-4-6-Trichlorophenol	ug/L	EPA625	<3	<3	<3	<3
Semivolatile Organic Compounds (Acids)	2-4-Dichlorophenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	2-4-Dimethylphenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-4-Dinitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	2-Chlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	2-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Chloro-3-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	4-Nitrophenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Acids)	Pentachlorophenol	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Acids)	Phenol	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Acids)	Phenolics- Total recoverable	mg/L	EPA420.1	<0.03	<0.03	<0.03	<0.03

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Semivolatile Organic Compounds (Base/Neutral)	1-2-4-Trichlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-2-Benzanthracene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	1-2-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-2-Diphenylhydrazine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	1-3-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	1-4-Dichlorobenzene	ug/L	EPA625	<0.5	<0.5	<0.5	<0.5
Semivolatile Organic Compounds (Base/Neutral)	2-4-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-6-Dinitrotoluene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	2-Chloroethyl vinyl ether	ug/L	EPA624	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	2-Chloronaphthalene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	3-3-Dichlorobenzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-6-Dinitro-2-methylphenol	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	4-Bromophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	4-Chlorophenyl phenyl ether	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Acenaphthylene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Anthracene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzidine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(a)pyrene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo(k)flouranthene	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Benzo[b]fluoranthene	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Benzo[g-h-i]perylene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethoxy) methane	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroethyl) ether	ug/L	EPA625	<0.4	<0.4	<0.4	<0.4
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Chloroisopropyl) ether	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Bis(2-Ethylhexyl) phthalate	ug/L	EPA625	<1.67	<1.67	37	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Butyl benzyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	Chrysene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Dibenzo(a-h)anthracene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Diethyl phthalate	ug/L	EPA625	<1	<1	<1	<1
Semivolatile Organic Compounds (Base/Neutral)	Dimethyl phthalate	ug/L	EPA625	<0.67	<0.67	<0.67	<0.67
Semivolatile Organic Compounds (Base/Neutral)	Fluoranthene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Fluorene	ug/L	EPA625	<0.033	<0.033	<0.033	<0.033
Semivolatile Organic Compounds (Base/Neutral)	Hexachloro-cyclopentadiene	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachlorobutadiene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Hexachloroethane	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Indeno(1-2-3-c-d)pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Isophorone	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-di-n-propyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-dimethyl amine	ug/L	EPA625	<1.67	<1.67	<1.67	<1.67
Semivolatile Organic Compounds (Base/Neutral)	N-Nitroso-diphenyl amine	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Naphthalene	ug/L	EPA625	<0.067	<0.067	<0.067	<0.067
Semivolatile Organic Compounds (Base/Neutral)	Nitrobenzene	ug/L	EPA625	<0.33	<0.33	<0.33	<0.33
Semivolatile Organic Compounds (Base/Neutral)	Phenanthrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	Pyrene	ug/L	EPA625	<0.017	<0.017	<0.017	<0.017
Semivolatile Organic Compounds (Base/Neutral)	di-n-Butyl phthalate	ug/L	EPA625	<3.33	<3.33	<3.33	<3.33
Semivolatile Organic Compounds (Base/Neutral)	di-n-Octyl phthalate	ug/L	EPA625	<3.4	<3.4	<3.4	<3.4

Values reported with a "< "are not detected at the method detection level, and reported as <MDL

Values reported with a "<" and a ">" were detected between the method detection limit and reporting limit, they are reported as >MDL& <RL

*Exceedance of Water Quality Objective

**Not an exceedance due to the High Flow Suspension Basin Plan Amendment (LARQCB 2003).

† Unless otherwise noted, pH results are laboratory measurements of the composite sample.

^ Field measurement.