Table 11-8. Analytes Measured at the Chollas Creek Mass Loading Station.

ANALYTE	UNITS	WQO[1]	SOURCE	1993-1994			1994-1995				1995-1996				1996-1997		1997-1998		
				02/17/94	03/24/94	04/24/94	11/10/94	01/11/95	02/14/95	04/16/95	11/01/95	01/22/96	01/31/96	03/05/96	12/09/96	01/16/97	11/10/97	12/06/97	03/14/98
General / Physical / Organic																			
Electrical Conductivity	umhos/cm						447	176.3	110	193	693	179		427	334	487	310	155	1146
Oil And Grease	mg/L	15	USEPA Multi-Sector General Permit	2.2	0.6	0.7	1.93	2.11	2.43	1.2	3.3	3.4		3.1	6	1.8	6.9	<0.5	4.56
pH	pH Units	6.5-8.5	Basin Plan																
Bacteriological																			
Enterococci	MPN/100 mL																		
Fecal Coliform	MPN/100 mL	4000	Basin Plan	9,300	24,000	24,000	17,000	28,000	50,000	50,000	16,000	16,000		16,000	16,000	16,000	16,000	9,450	
Total Coliform	MPN/100 mL			240,000	240,000	240,000	160,000	160,000	90,000	160,000	16,000			16,000	16,000	16,000	160,000	20,000	
Wet Chemistry																			
Ammonia As N	mg/L			0.4		0.9	1.4	0.3	0.7	0.6	0.64	0.31	<0.2	1.8	<0.2	<0.2	1.3	0.4	10
Un-ionized Ammonia as N	µg/L	25 (a)	Basin Plan																
Biochemical Oxygen Demand	mg/L	30	USEPA Multi-Sector General Permit	10	<3	38.9	30	25	13.3	18.1	14.5	6	<5	16	7.8	15	49	24	40
Chemical Oxygen Demand	mg/L	120	USEPA Multi-Sector General Permit	47		149	284	88	187	192	122	90	87	321	31	73	146	44	135
Dissolved Organic Carbon	mg/L																		
Dissolved Phosphorus	mg/L	2	USEPA Multi-Sector General Permit	0.2	0.2	0.4	0.3	0.4	0.4	0.3	0.5	0.6	0.7		0.2	0.3	0.4	<0.1	1.41
Nitrate As N	mg/L	10	Basin Plan	2.7		1.4	2.7	0.7	1.2	0.98	1.8	1.2	0.91	0.82	0.8	0.81	3.5	0.52	0.4
Nitrite As N	mg/L	1	Basin Plan	<0.05		<0.05	<0.05	<0.05	<0.05	<0.05								0.08	<0.05
Surfactants (MBAS)	mg/L	0.5	Basin Plan	0.12	0.47	0.69	0.41	0.07	0.07	0.3	0.16		<0.1	1.00	<0.1	<0.1	<0.1	0.07	0.66
Total Dissolved Solids	mg/L	500	Basin Plan	250	150	270	460	180	250	250	250	264	148	204	194	278	374	250	344
Total Kjeldahl Nitrogen	mg/L			4.3		4.4	3.9	1.6	<1	7.1	3.4	1.9	1.8	2.7	1.1	1.8	1.6	<1	15
Total Organic Carbon	mg/L																		
Total Phosphorus	mg/L	2	USEPA Multi-Sector General Permit	0.4	0.7	0.9	0.5	0.6	0.6	0.9	0.7	0.3	0.3	1.1	0.3	0.5	0.7	<0.1	2.2
Total Suspended Solids	mg/L	100	USEPA Multi-Sector General Permit	220	700	400	650	330	1200	470	75	184	92	130	92	488	182	315	805
Turbidity	NTU	20	Basin Plan	86	54	54	40	64	85	66	54.2	68.3	5.7	18.4	37	290	90	29	24
Pesticides																			
Chlorpyrifos	µg/L	0.02	CA Dept. of Fish & Game																
Diazinon	µg/L	0.08	CA Dept. of Fish & Game																
Malathion	µg/L	0.43	CA Dept. of Fish & Game																
Hardness																			
Total Hardness	mg CaCO3/L			120	71	110	150	58	100	120	91	74.5	52.2	78.6	57.4	61.5	116	39	96.4
Total Metals																			
Antimony	mg/L	0.006	Basin Plan	<0.001	0.0013	<0.001	0.0023	<0.001	<0.001		0.001				<0.003	<0.003	0.0016	<32*	<32*
Arsenic	mg/L	0.34/0.05	40 CFR 131/ Basin Plan	<0.005	<0.005	<0.005	<0.005	0.011	0.008	0.006	0.006				0.004	0.005	0.002	<0.053*	<0.053*
Cadmium	mg/L	(b)	40 CFR 131	0.002	0.002	0.001	0.001	0.001	0.002	0.003	0.001				0.0006	0.0007	0.0003	<0.004*	<0.004*
Chromium	mg/L	(b)	CTR (Cr VI)	0.005	0.006	0.008	0.004	0.003	0.01	0.007	<0.005				<0.010	0.010	<0.005	<0.007	0.011
Copper	mg/L	(b)	40 CFR 131	0.034	0.029	0.044	0.036	0.017	0.04	0.085	0.046				0.02	0.01	0.017	0.028	0.028
Lead	mg/L	(b)	40 CFR 131	0.11	0.14	0.07	0.035	0.044	0.11	0.14	0.023				0.016	0.058	0.003	<0.042*	0.095
Nickel	mg/L	(b)/0.1	40 CFR 131/ Basin Plan	0.011	0.008	0.014	0.016	0.006	0.011	0.013	0.011				<0.010	<0.010	0.009	<0.015	<0.015
Selenium	mg/L	0.02	40 CFR 131	<0.0005	<0.0005	<0.0005	<0.0005	0.001	0.001		0.002				<0.004	<0.003	0.001	<0.075*	<0.075*
Zinc	mg/L	(b)	40 CFR 131	0.26	0.24	0.32	0.18	0.15	0.36	0.56	<0.025				0.07	0.20	0.176	0.11	0.092
Dissolved Metals																			
Antimony	mg/L	(e)	40 CFR 131				0.0022	<0.001	<0.001	<0.001		<0.0015	<0.0015	<0.0015	<0.003	<0.003			
Arsenic	mg/L	0.34 (c)	40 CFR 131				<0.005	<0.005	<0.005	<0.005		0.004	0.003	0.002	0.005	<0.003			
Cadmium	mg/L	(b)	40 CFR 131				0.0002	<0.0002	<0.0002	<0.0002		<0.00025	<0.00025	0.00044	0.0005	0.0012			
Chromium	mg/L	(b)	40 CFR 131				0.002	0.0012	<0.001	0.001		<0.005	<0.005	<0.005	<0.010	<0.010			
Copper	mg/L	(b)	40 CFR 131				0.013	<0.005	0.005	0.010		0.012	0.008	0.034	0.01	0.02			
Lead	mg/L	(b)	40 CFR 131				0.003	<0.001	<0.001	<0.001		0.002	0.002	0.018	0.015	0.007			
Nickel	mg/L	(b)	40 CFR 131				0.013	<0.005	<0.005	<0.005		<0.005	<0.005	0.009	<0.010	0.020			
Selenium	mg/L	0.02 (d)	40 CFR 131				<0.0005	0.001	<0.0005	<0.0005		<0.001	<0.001	<0.001	<0.002	<0.003			
Zinc	mg/L	(b)	40 CFR 131				0.07	0.014	0.012	0.069		<0.025	0.032	0.141	0.08	0.040			
Toxicity																			
Ceriodaphnia 96-hr	LC50 (%)	100																	
Ceriodaphnia 7-day survival	NOEC (%)	100																	
Ceriodaphnia 7-day reproduction	NOEC (%)	100																	
Hyalella 96-hr	NOEC (%)	100																	
Selenastrum 96-hr	NOEC (%)	100																	

See last page for footnotes and source references.

Table 11-8. Analytes Measured at the Chollas Creek Mass Loading Station.

ANALYTE	UNITS	WQO[1]	SOURCE	1998-1999			1999-2000			2000-2001			2001-2002			2002-2003		
				11/08/98	01/25/99	03/15/99	02/12/00	03/05/00	04/17/00	10/27/00	01/08/01	02/13/01	11/29/01	02/17/02	03/08/02	11/08/02	02/11/03	02/25/03
General / Physical / Organic																		
Electrical Conductivity	umhos/cm			286	270	215	186	187	185	258	319	279	155	310	242	315	211	91.2
Oil And Grease	mg/L	15	USEPA Multi-Sector General Permit	1.29	1.56	0.95	1.92	2.04	1.48	12	4	1	5	10	8	4.24	3.54	2.47
pH	pH Units	6.5-8.5	Basin Plan										7.4	7.4	8	6.96	7.58	7.41
Bacteriological																		
Enterococci	MPN/100 mL									130,000	26,000	80,000	170,000	110,000	220,000	30,000	50,000	80,000
Fecal Coliform	MPN/100 mL	4000	Basin Plan	1,600	1,600	1,600	<2	1,600	1,600	**70,000**	**27,000**	**14,000**	**30,000**	**23,000**	**70,000**	**50,000**	**30,000**	**13,000**
Total Coliform	MPN/100 mL			241,900	298,700	2,419,000	500	1,600	1,600	1,100,000	500,000	30,000	80,000	300,000	300,000	2,400,000	230,000	300,000
Wet Chemistry																		
Ammonia As N	mg/L			1	0.78	1.06	1.65	<0.1	0.21	1.2	1.5	0.6	0.7	2.14	1.04	0.54	0.79	0.52
Un-ionized Ammonia as N	µg/L	25 (a)	Basin Plan													1.52	8.93	3.12
Biochemical Oxygen Demand	mg/L	30	USEPA Multi-Sector General Permit	19	6	11	7.8	2.54	6.1	15	**32.2**	<2	27	**73.3**	29	8.01	**31.8**	21.0
Chemical Oxygen Demand	mg/L	120	USEPA Multi-Sector General Permit	59	41	85	41	104	57	**150**	109	100	71	**244**	**488**	119	**184**	43
Dissolved Organic Carbon	mg/L															11.3	19.2	10.8
Dissolved Phosphorus	mg/L	2	USEPA Multi-Sector General Permit	1.07	0.27	0.22	0.33	0.26	0.22	0.08	0.94	0.39	0.9	0.75	0.46	0.41	0.40	0.14
Nitrate As N	mg/L	10	Basin Plan	1.1	0.98	0.44	3.22	1.04	3.1	0.8	2.1	0.8	1.2	1.6	1.3	0.71	1.04	0.45
Nitrite As N	mg/L	1	Basin Plan	0.06	0.12	0.14	0.086	<0.05	<0.05	0.21	0.22	0.05	0.11	0.22	0.18	0.09	0.12	0.07
Surfactants (MBAS)	mg/L	0.5	Basin Plan	0.48	0.19	0.07	0.35	0.22	0.13	**0.7**	<0.5	<0.5	<0.5	**0.7**	<0.5	0.3	0.2	<0.1
Total Dissolved Solids	mg/L	500	Basin Plan	249	125	222	120	111	140	191	236	173	71	254	199	195	121	87
Total Kjeldahl Nitrogen	mg/L			0.44	1.25	3.61	2.98	3.1	2.36	2.37	5.9	0.97	4.6	5.7	9.1	2.5	2.4	1.6
Total Organic Carbon	mg/L															22.8	27.0	5.45
Total Phosphorus	mg/L	2	USEPA Multi-Sector General Permit	1.28	0.3	0.17	0.46	0.33	0.6	0.12	0.96	0.49	1.08	1.55	**2.08**	0.68	0.67	0.76
Total Suspended Solids	mg/L	100	USEPA Multi-Sector General Permit	7.58	**280**	**159**	**457**	62	**200**	67	**294**	**139**	67	**151**	**493**	63	**193**	**295**
Turbidity	NTU	20	Basin Plan	**69**	**38**	**21**	**50**	**27**	**38**	**72.2**	**200**	**96**	**63.3**	**36.5**	**121**	**57.1**	**121**	**178**
Pesticides																		
Chlorpyrifos	µg/L	0.02	CA Dept. of Fish & Game	**0.1**		<0.5*	<0.5*	<0.5*	<0.5*	<0.5*	<0.5*	<0.5*	**0.04**	**0.13**	**0.04**	**0.111**	<0.03*	**0.038**
Diazinon	µg/L	0.08	CA Dept. of Fish & Game	**0.46**	**0.46**	**0.53**	<0.5*	<0.5*	<0.5*	**0.75**	<0.5*	<0.5*	**0.68**	**0.82**	**0.61**	**0.424**	**0.26**	**0.09**
Malathion	µg/L	0.43	CA Dept. of Fish & Game													0.25	0.28	<0.10
Hardness																		
Total Hardness	mg CaCO3/L			77	42.5	90.8	40.9	35.1	45.5	85	78	59	68	111	148	69.1	78	44
Total Metals																		
Antimony	mg/L	0.006	Basin Plan	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.003	0.003	0.002	<0.002	0.003	0.005	<0.002	0.005	0.004
Arsenic	mg/L	0.34/0.05	40 CFR 131/ Basin Plan	0.006	0.0018	0.003	<0.001	0.007	0.005	0.004	0.006	0.004	0.002	0.004	0.006	0.003	0.004	0.003
Cadmium	mg/L	(b)	40 CFR 131	0.002	<0.00025	<0.00025	<0.00025	**0.002**	<0.00025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	mg/L	(b)	CTR (Cr VI)	<0.005	0.015	0.035	<0.005	<0.005	<0.005	0.007	0.013	0.007	0.012	0.009	0.019	<0.005	0.010	<0.005
Copper	mg/L	(b)	40 CFR 131	0.006	<0.005	**0.015**	**0.029**	**0.016**	**0.014**	**0.027**	**0.049**	**0.016**	**0.027**	**0.053**	**0.056**	**0.028**	**0.033**	**0.016**
Lead	mg/L	(b)	40 CFR 131	<0.001	**0.007**	**0.082**	**0.015**	<0.001*	<0.005*	**0.022**	**0.055**	**0.027**	**0.028**	**0.032**	**0.061**	**0.017**	**0.029**	**0.023**
Nickel	mg/L	(b)/0.1	40 CFR 131/ Basin Plan	0.04	**0.028**	0.016	<0.005	<0.005	<0.005	0.012	0.014	0.005	0.009	0.015	0.017	0.007	0.008	0.004
Selenium	mg/L	0.02	40 CFR 131	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.004
Zinc	mg/L	(b)	40 CFR 131	0.03	0.048	**0.21**	**0.096**	**0.05**	**0.08**	**0.150**	**0.290**	**0.12**	**0.162**	**0.314**	**0.430**	**0.118**	**0.230**	**0.154**
Dissolved Metals																		
Antimony	mg/L	(e)	40 CFR 131				<0.0015	<0.0015	<0.0015	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	0.002	0.002
Arsenic	mg/L	0.34 (c)	40 CFR 131				<0.001	0.005	<0.001	0.003	0.002	0.003	<0.001	<0.001	0.003	0.003	0.002	0.002
Cadmium	mg/L	(b)	40 CFR 131				<0.00025	<0.00025	<0.00025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chromium	mg/L	(b)	40 CFR 131				<0.005	<0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	mg/L	(b)	40 CFR 131				<0.005*	<0.005*	<0.005*	**0.017**	**0.013**	<0.005	**0.009**	**0.024**	**0.018**	**0.022**	**0.052**	**0.008**
Lead	mg/L	(b)	40 CFR 131				<0.001*	<0.001*	<0.005*	**0.003**	**0.002**	**0.014**	<0.002*	<0.002	0.002	**0.006**	<0.002*	<0.002*
Nickel	mg/L	(b)	40 CFR 131				<0.005	<0.005	<0.005	0.011	0.007	0.002	0.004	0.010	0.008	0.006	0.004	<0.002
Selenium	mg/L	0.02 (d)	40 CFR 131				<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.004
Zinc	mg/L	(b)	40 CFR 131				0.019	0.028	0.008	0.090	**0.110**	0.030	0.053	0.118	0.079	**0.152**	**0.139**	0.018
Toxicity																		
Ceriodaphnia 96-hr	LC50 (%)	100								**50**	**25**	100	**75**	**50**	**75**	**77.78**	>100	>100
Ceriodaphnia 7-day survival	NOEC (%)	100								**50**	**25**	100	**25**	**25**	**25**	**25**	**50**	100
Ceriodaphnia 7-day reproduction	NOEC (%)	100											**25**	**12.5**	**25**	**50**	100	100
Hyalella 96-hr	NOEC (%)	100								**50**	**6.25**	**12.5**	100	**50**	**50**	**50**	100	100
Selenastrum 96-hr	NOEC (%)	100											100	100	100	100	100	100

See last page for footnotes and source references.

Table 11-8. Analytes Measured at the Chollas Creek Mass Loading Station.

ANALYTE	UNITS	WQO[1]	SOURCE	2003-2004			2004-2005			2005-2006			2006-2007			Frequency Above WQO	Mean Ratio to WQO
				02/03/04	02/18/04	03/02/04	10/17/04	02/11/05	02/18/05	10/18/05	01/02/06	02/19/06	10/14/06	12/10/06	2/19/07		
General / Physical / Organic																	
Electrical Conductivity	umhos/cm			152.5	148	231	565	348	159	444	228	184.9	510	319	239		
Oil And Grease	mg/L	15	USEPA Multi-Sector General Permit	1.61	2.17	3.43	4.17	1.12	<1	<1	1.19	<1	<5	<5	<5	0%	0.19
pH	pH Units	6.5-8.5	Basin Plan	**4.05**	6.57	6.96	7.09	7.61	7.81	7.55	8.17	7.76	7.65	8.09	8.40	6%	0.06
Bacteriological																	
Enterococci	MPN/100 mL			50,000	220,000	17,000	170,000	30,000	80,000	800,000	170,000	23,000	500,000	50,000	80,000		
Fecal Coliform	MPN/100 mL	4000	Basin Plan	**22,000**	**30,000**	**17,000**	**140,000**	**11,000**	**70,000**	**500,000**	**70,000**	**8,000**	**110,000**	**23,000**	3,000	83%	10.04
Total Coliform	MPN/100 mL			110,000	80,000	800,000	3,000,000	130,000	170,000	800,000	2,400,000	170,000	280,000	90,000	130,000		
Wet Chemistry																	
Ammonia As N	mg/L			0.52	0.58	3.1	2.13	0.28	0.19	1.41	0.67	0.58	1.64	2.12	1.53		
Un-ionized Ammonia as N	µg/L	25 (a)	Basin Plan	0.00	0.59	6.53	2.4	5.9	**46.7**	18.6	**27.7**	6.9	23.9	**64.1**	**87.7**	27%	0.28
Biochemical Oxygen Demand	mg/L	30	USEPA Multi-Sector General Permit	**41.4**	2.25	**34.6**	**138**	4.83	3.79	**49.5**	21	4.26	17.3	25.2	**31.2**	26%	0.76
Chemical Oxygen Demand	mg/L	120	USEPA Multi-Sector General Permit	**222**	**271**	69	**501**	89	<25	**168**	65	106	**447**	**266**	94	43%	1.23
Dissolved Organic Carbon	mg/L			5.8	11.6	6.07	134	2.22	2.86	32.3	18	17	47.9	29.7	9.67		
Dissolved Phosphorus	mg/L	2	USEPA Multi-Sector General Permit	0.51	0.32	0.21	1.68	0.2	<0.05	0.68	0.44	0.38	0.88	0.64	0.32	0%	0.23
Nitrate As N	mg/L	10	Basin Plan	0.83	0.79	0.37	4.38	0.62	0.61	3.09	1.09	0.98	2.4	0.27	<0.05	0%	0.13
Nitrite As N	mg/L	1	Basin Plan	0.06	0.08	<0.05	0.15	0.05	0.05	0.18	0.09	0.06	0.1	0.06	0.07	0%	0.07
Surfactants (MBAS)	mg/L	0.5	Basin Plan	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.5	<0.5	<0.5	12%	0.56
Total Dissolved Solids	mg/L	500	Basin Plan	134	222	129	**665**	122	112	396	210	104	210	210	104	2%	0.43
Total Kjeldahl Nitrogen	mg/L			3	3.6	3.8	18.6	5.4	3.4	6.2	1.6	2.6	4.2	4.5	3.7		
Total Organic Carbon	mg/L			21.9	20.9	15.9	190	7.58	10.7	73	9.74	22.4	64	33.3	11.3		
Total Phosphorus	mg/L	2	USEPA Multi-Sector General Permit	0.91	0.63	0.45	1.85	0.3	0.45	0.91	0.74	0.65	1.22	1.24	0.61	5%	0.37
Total Suspended Solids	mg/L	100	USEPA Multi-Sector General Permit	24	**290**	56	**753**	**135**	**275**	**214**	**252**	**386**	**438**	**418**	**239**	77%	2.96
Turbidity	NTU	20	Basin Plan	**259**	**102**	**37.5**	**300**	**40.1**	**82.2**	**46.8**	**64.7**	**80.2**	**168**	**129**	**123**	95%	4.29
Pesticides																	
Chlorpyrifos	µg/L	0.02	CA Dept. of Fish & Game	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.002	<0.002	<0.002	33%	1.28
Diazinon	µg/L	0.08	CA Dept. of Fish & Game	**0.081**	**0.158**	**0.088**	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	**0.100**	<0.004	<0.004	64%	3.13
Malathion	µg/L	0.43	CA Dept. of Fish & Game	0.164	0.162	0.168	**0.601**	0.091	0.065	**0.461**	0.205	0.074	**0.949**	0.270	0.095	20%	0.60
Hardness																	
Total Hardness	mg CaCO3/L			87	88	74	244	40	46	170	101	<100	89	101	60		
Total Metals																	
Antimony	mg/L	0.006	Basin Plan	<0.005	<0.006	<0.005	0.005	<0.005	<0.005	<0.005	**0.008**	<0.005	0.005	0.005	0.004	3%	0.39
Arsenic	mg/L	0.34/0.05	40 CFR 131/ Basin Plan	0.009	0.006	0.003	0.007	0.004	<0.002	0.005	0.006	<0.001	0.012	<0.001	0.002	0%	0.09
Cadmium	mg/L	(b)	40 CFR 131	0.001	0.002	0.001	0.003	<0.001	<0.001	0.001	0.001	<0.001	**0.003**	**0.007**	<0.001	8%	0.50
Chromium	mg/L	(b)	CTR (Cr VI)	0.025	0.019	<0.005	<0.005	<0.005	<0.005	<0.005	0.017	<0.005	0.011	0.02	0.011	0%	0.05
Copper	mg/L	(b)	40 CFR 131	**0.07**	**0.068**	**0.036**	**0.122**	**0.009**	**0.015**	**0.062**	**0.065**	**0.027**	**0.071**	**0.115**	**0.04**	97%	4.61
Lead	mg/L	(b)	40 CFR 131	**0.079**	**0.096**	**0.057**	**0.079**	**0.008**	**0.018**	**0.032**	**0.064**	**0.024**	**0.072**	**0.071**	**0.034**	95%	18.99
Nickel	mg/L	(b)/0.1	40 CFR 131/ Basin Plan	0.016	0.014	0.002	0.040	0.003	0.003	0.019	0.016	0.005	0.017	0.021	0.009	3%	0.26
Selenium	mg/L	0.02	40 CFR 131	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.005	<0.004	<0.004	<0.004	0%	0.07
Zinc	mg/L	(b)	40 CFR 131	**0.496**	**0.561**	**0.394**	**1.18**	0.054	**0.100**	**0.421**	**0.402**	**0.181**	**0.515**	**0.659**	**0.233**	85%	2.31
Dissolved Metals																	
Antimony	mg/L	(e)	40 CFR 131	<0.005	<0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.002	<0.002	0.003		
Arsenic	mg/L	0.34 (c)	40 CFR 131	0.002	0.002	<0.002	<0.002	<0.002	<0.002	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0%	0.01
Cadmium	mg/L	(b)	40 CFR 131	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0%	0.21
Chromium	mg/L	(b)	40 CFR 131	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0%	0.05
Copper	mg/L	(b)	40 CFR 131	0.005	**0.009**	0.005	**0.024**	**0.006**	<0.005*	**0.024**	0.008	**0.012**	**0.014**	**0.014**	**0.007**	76%	1.78
Lead	mg/L	(b)	40 CFR 131	<0.002	<0.002	<0.002*	0.004	<0.002*	<0.002*	0.003	<0.002	<0.002	**0.004**	0.002	<0.001	42%	2.15
Nickel	mg/L	(b)	40 CFR 131	<0.002	0.002	<0.002	0.027	<0.002	<0.002	0.01	0.003	0.003	0.007	0.006	0.002	0%	0.12
Selenium	mg/L	0.02 (d)	40 CFR 131	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.004	<0.005	<0.004	<0.004	<0.004	0%	0.01
Zinc	mg/L	(b)	40 CFR 131	<0.02	0.034	<0.02	**0.267**	0.023	<0.02	**0.193**	0.032	0.049	0.092	0.072	0.021	21%	0.59
Toxicity																	
Ceriodaphnia 96-hr	LC50 (%)	100		>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	>100	29%	0.57
Ceriodaphnia 7-day survival	NOEC (%)	100		100	100	100	100	100	100	100	100	100	**50**	100	100	38%	1.24
Ceriodaphnia 7-day reproduction	NOEC (%)	100		100	100	100	**25**	100	100	**50**	100	100	100	100	100	33%	1.33
Hyalella 96-hr	NOEC (%)	100		**50**	**50**	100	**50**	100	100	**25**	**50**	**25**	**6.25**	**25**	**25**	71%	3.43
Selenastrum 96-hr	NOEC (%)	100		100	100	100	100	100	100	>100	100	100	100	100	100	0%	0.00

See last page for footnotes and source references.

Table 11-8. Analytes Measured at the Chollas Creek Mass Loading Station.

Blank spaces have been verified and no data is available due to changes in the monitoring program.

[1] The Water Quality Objectives (WQO) are benchmarks for comparison of storm water results and were selected by the Copermittee Monitoring Workgroup for this program.

(a) Un-ionized Ammonia is a calculated value, non-detectable values calculated at the detection limit. Basin Plan WQO is 0.025 mg/L; values shown here have been converted to μg/L.
(b) Water Quality Objective for dissolved metal fractions are based on total hardness and are calculated as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000.
(c) Water Quality Objectives for dissolved metal fractions are based on water effects ratios (WER) and are calculated as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000.
(d) Water Quality Objective is based on the total recoverable form as described by the USEPA Federal Register Doc. 40 CFR Part 131, May 18, 2000.
(e) USEPA has not published an aquatic life criterion value.

Shaded text – bold values are above the **CCC** water quality objective and bold/underlined results are above the **CMC** water quality objective.

* Indicates detection limit above water quality objective, and not included in frequency above water quality objective calculation.

Sources
USEPA National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit for Industrial Activities, 65 Federal Register (FR) 64746, Final Reissuance, October 30, 2000. Table 3 - Parameter benchmark values.
Siepmann and Finlayson 2000.
Basin Plan, September 8, 1994.
Assembly Bill 411 - Title 17 of the California Code of Regulations, Section 7958.
USEPA Federal Register Document 40 CFR Part 131, May 18, 2000.