

Table D1

Santa Clarita Valley Sanitation District of Los Angeles County - Valencia WRP
Effluent Data

CTR			1	1	2		3	3	4		5a	5b
	IRON	1/2 IRON	Antimony	1/2 Antimony	Arsenic	1/2 Arsenic	Beryllium	1/2 Beryllium	Cadmium	1/2 Cadmium	Chromium III	Chromium VI
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1/1/2004	115	115	0.9	0.9	0.4	0.4	<0.1	0.05	<0.06	0.03	<10	<1.25
2/1/2004			0.7	0.7	1.2	1.2						
3/1/2004			1.1	1.1	0.7	0.7						
4/1/2004			0.8	0.8	0.5	0.5			<0.06	0.03	<10	4.12
5/1/2004	100	100	0.8	0.8	1.3	1.3	0.1	0.1	<0.06	0.03		
6/1/2004			0.7	0.7	0.8	0.8						
7/1/2004	66	66	0.9	0.9	0.6	0.6	<0.1	0.05	<0.06	0.03	<10	2.7
8/1/2004			1.1	1.1	1	1						
9/1/2004			1.1	1.1	0.4	0.4						
10/1/2004			0.8	0.8	1	1			0.1	0.1	<10	<1.25
11/1/2004			0.9	0.9	<0.2	0.1						
12/1/2004			0.8	0.8	1.2	1.2						
1/1/2005	46	46	0.5	0.5	1.1	1.1	<0.25	0.125	0.03	0.03	0.46	4.3
2/1/2005			0.3	0.3	<0.4	0.2						
3/1/2005			0.7	0.7	1	1						
4/1/2005			0.5	0.5	<0.4	0.2			0.03	0.03	0.35	<0.6
5/1/2005			0.6	0.6	0.8	0.8						
6/1/2005			0.6	0.6	0.5	0.5						
7/1/2005	50	50	0.5	0.5	2.3	2.3	0.02	0.02	<0.004	0.002	<0.2	2.7
8/1/2005			0.6	0.6	0.7	0.7						
9/1/2005			<0.03	0.015	0.4	0.4						
10/1/2005			0.5	0.5	0.6	0.6			<0.04	0.02	<0.2	5
11/1/2005			0.3	0.3	0.7	0.7						
12/1/2005			0.6	0.6	1.3	1.3						
1/1/2006	<50	25	0.7	0.7	0.7	0.7	<0.01	0.005	<0.004	0.002	<0.5	<0.6
2/1/2006	<50	25	0.5	0.5	0.8	0.8	<0.01	0.005	<0.004	0.002	<0.5	
3/1/2006			0.7	0.7	<0.4	0.2						
4/1/2006			0.6	0.6	0.9	0.9			<0.004	0.002	<0.5	<0.6
5/1/2006			0.7	0.7	0.7	0.7						
6/1/2006			0.6	0.6	0.5	0.5						
7/1/2006	<50	25	0.7	0.7	0.7	0.7	<0.01	0.005	0.08	0.08	<0.5	1
8/1/2006			0.8	0.8	0.75	0.75						
9/1/2006			0.69	0.69	<0.4	0.2						
10/1/2006			0.79	0.79	0.74	0.74			0.08	0.08	<0.5	2
11/1/2006			1.05	1.05	0.68	0.68						
12/1/2006			0.87	0.87	0.57	0.57						
1/1/2007	80	80	0.68	0.68	0.38	0.38	<0.03	0.015	0.07	0.07	<0.03	0.7
2/1/2007			0.84	0.84	0.49	0.49						
3/1/2007			0.86	0.86	0.56	0.56						
4/1/2007			0.95	0.95	0.42	0.42			0.1	0.1	<0.03	<0.31
5/1/2007			0.86	0.86	0.59	0.59						
6/1/2007	70	70	0.9	0.9	0.74	0.74	<0.03	0.015	0.08	0.08	<0.03	2.4
7/1/2007	<50	25	1.01	1.01	0.79	0.79	0.25	0.25	0.05	0.05	<0.03	2.5
8/1/2007			0.84	0.84	0.93	0.93						
9/1/2007			0.82	0.82	0.69	0.69						

Note: Detected but not Quantified (DNQ) values are in blue.
Other priority pollutants not listed were not detected in the effluent.

1/10
02/25/09
Adopted: 06/04/09

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CTR	IRON	1/2 IRON	Antimony	1/2 Antimony	Arsenic	1/2 Arsenic	Beryllium	1/2 Beryllium	Cadmium	1/2 Cadmium	Chromium III	Chromium VI
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
10/1/2007			0.91	0.91	1.06	1.06			0.16	0.16	<0.03	6
11/1/2007			0.94	0.94	1.2	1.2						
12/1/2007			0.83	0.83	0.62	0.62						
1/1/2008	70	70	0.63	0.63	0.43	0.43	<0.03	0.015	0.05	0.05	<0.03	4.6
2/1/2008			0.74	0.74	0.72	0.72						
3/1/2008			0.66	0.66	0.64	0.64						
4/1/2008			0.8	0.8	0.42	0.42			0.18	0.18	<0.03	1.9
5/1/2008			0.65	0.65	0.88	0.88						
6/1/2008			0.97	0.97	0.85	0.85					<0.03	<0.31
7/1/2008	ND	25	1.33	1.33	<0.4	0.2	<0.03	0.015	0.39	0.39	<0.03	2.6
8/1/2008			0.66	0.66	0.94	0.94						
9/1/2008			0.74	0.74	0.6	0.6						
10/1/2008			0.65	0.65	0.79	0.79			0.15	0.15	<0.03	3.7
MEC	115		1.33		2.3		0.25		0.39		0.46	6
MAXIMUM	115		1.33		2.3		0.25		0.39		0.46	6
MINIMUM	46		0.3		0.38		0.02		0.03		0.35	0.7
DETECTS	8		57		52		3		14		2	15
COUNT	13		58		58		13		23		23	22
% NONDETECT	38.4615		1.724138		10.3448		76.9		39.1304		91.3043	31.81818
ST DEVIATION		30.8535		0.215741		0.35792		0.07069		0.08585		
AVERAGE		55.5385		0.746293		0.71345		0.05154		0.07383		
CV		0.55553		0.289084		0.50168		1.37165		1.16292		
Default CV		0.6		0.3	0.7	0.5		1.4		1.2	0.6	
ECA multipliers Table 1												
ECA Acute 99 multiplier		0.321		0.527		0.373	1.000	0.153		0.174	0.321	
ECA Chronic99 multiplier		0.527		0.715		0.581	1.000	0.281		0.321	0.527	
AMEL multiplier95		1.552		1.264		1.455	1.000	2.315		2.135	1.552	
MDEL multiplier99		3.114		1.896		2.684	1.000	6.556		5.759	3.114	
MDEL/AMEL Multiplier		2.006		1.500		1.845	1.000	2.832		2.698	2.006	
Bold = Detect												
Blue = DNQ												

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Effluent Data

CTR	5b				7		8		9	9	10		11
	1/2 Chromium VI	Total Chromium	Copper	1/2 Copper	Lead	1/2 Lead	Mercury	1/2 Mercury	Nickel	1/2 Nickel	Selenium	1/2 Selenium	Silver
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	MG/L	MG/L	µg/L
1/1/2004	0.625	<3	1.5		1	1	<0.03	0.015	<8	4	0.6	0.6	<0.059
2/1/2004							<0.03	0.015	<8	4	0.6	0.6	
3/1/2004							0.04	0.04	<8	4	0.6	0.6	
4/1/2004	4.12	<3	1.5	<0.35		0.175	<0.03	0.015	<8	4	0.4	0.4	<0.059
5/1/2004		<3	1.5		1	1	<0.03	0.015	9	9	1.1	1.1	<0.059
6/1/2004							<0.03	0.015	<8	4	0.4	0.4	
7/1/2004	2.7	<3	1.5		1	1	0.03	0.03	<8	4	0.4	0.4	<0.059
8/1/2004							<0.03	0.015	<8	4	0.4	0.4	
9/1/2004							<0.03	0.015	<8	4	0.3	0.3	
10/1/2004	0.625	<3	1.5		1	1	<0.03	0.015	<8	4	0.4	0.4	<0.059
11/1/2004							<0.03	0.015	<8	4	0.3	0.3	
12/1/2004							<0.03	0.015	7	7	0.5	0.5	
1/1/2005	4.3		5.6	5.6	0.11	0.11	<0.03	0.015	2.5	2.5	0.5	0.5	<0.01
2/1/2005							<0.03	0.015	2.9	2.9	0.7	0.7	
3/1/2005							<0.03	0.015	1.7	1.7	1.1	1.1	
4/1/2005	0.3		4.8	4.8	<0.01	0.005	<0.03	0.015	2.8	2.8	0.7	0.7	<0.01
5/1/2005							<0.03	0.015	2.9	2.9	0.7	0.7	
6/1/2005							<0.03	0.015	1.6	1.6	0.4	0.4	
7/1/2005	2.7		5.5	5.5	0.14	0.14	<0.03	0.015	2.2	2.2	0.5	0.5	0.02
8/1/2005							<0.03	0.015	2.2	2.2	0.4	0.4	
9/1/2005							<0.03	0.015	3.4	3.4	0.4	0.4	
10/1/2005	5		8.8	8.8	<0.01	0.005	<0.03	0.015	2.8	2.8	0.4	0.4	<0.01
11/1/2005							<0.03	0.015	3	3	0.8	0.8	
12/1/2005							<0.03	0.015	<0.12	0.06	0.8	0.8	
1/1/2006	0.3		4.76	4.76	<0.01	0.005	<0.03	0.015	2.25	2.25	0.5	0.5	<0.01
2/1/2006			7.31	7.31	<0.01	0.005	<0.03	0.015	2.25	2.25	0.5	0.5	<0.01
3/1/2006							<0.03	0.015	2.66	2.66	0.8	0.8	
4/1/2006	0.3		6.06	6.06	<0.01	0.005	<0.03	0.015	2.16	2.16	0.5	0.5	<0.01
5/1/2006							<0.03	0.015	2.76	2.76	0.3	0.3	
6/1/2006							<0.03	0.015	2.82	2.82	0.3	0.3	
7/1/2006	1		5.74	5.74	0.13	0.13	<0.03	0.015	3.49	3.49	0.2	0.2	<0.01
8/1/2006							<0.03	0.015	3.72	3.72	0.63	0.63	
9/1/2006							<0.03	0.015	3.41	3.41	<0.1	0.05	
10/1/2006	2		5.73	5.73	0.11	0.11	<0.03	0.015	2.97	2.97	0.31	0.31	<0.01
11/1/2006							<0.03	0.015	2.36	2.36	0.34	0.34	
12/1/2006							<0.03	0.015	2.74	2.74	0.31	0.31	
1/1/2007	0.7		2.59	2.59	0.1	0.1	<0.02	0.01	1.23	1.23	0.38	0.38	<0.02
2/1/2007							<0.02	0.01	2.17	2.17	0.44	0.44	
3/1/2007							<0.02	0.01	0.97	0.97	0.55	0.55	
4/1/2007	0.155		8.81	8.81	0.27	0.27	<0.02	0.01	2	2	0.44	0.44	0.02
5/1/2007							0.02	0.02	1.8	1.8	0.54	0.54	
6/1/2007	2.4		21.8	21.8	0.18	0.18	<0.02	0.01	3.29	3.29	0.36	0.36	<0.02
7/1/2007	2.5		5.08	5.08	0.08	0.08	<0.02	0.01	2.48	2.48	0.57	0.57	0.25
8/1/2007							<0.02	0.01	2.95	2.95	0.38	0.38	
9/1/2007							<0.02	0.01	3.14	3.14	0.29	0.29	

Note: Detected but not Quantified (DNQ) values are in blue.
Other priority pollutants not listed were not detected in the effluent.

3/10
02/25/09
Adopted: 06/04/09

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Effluent Data

CTR	5b				7		8		9	9	10		11
	1/2 Chromium VI	Total Chromium	Copper	1/2 Copper	Lead	1/2 Lead	Mercury	1/2 Mercury	Nickel	1/2 Nickel	Selenium	1/2 Selenium	Silver
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	MG/L	MG/L	µg/L
10/1/2007	6		8.04	8.04	0.14	0.14	<0.02	0.01	3.07	3.07	0.29	0.29	<0.02
11/1/2007							<0.02	0.01	3.5	3.5	0.37	0.37	
12/1/2007									2.47	2.47	0.36	0.36	
1/1/2008	4.6	0.15	4.42	4.42	0.09	0.09	0.0026	0.0026	2.87	2.87	0.32	0.32	ND
2/1/2008							0.0007	0.0007	2.75	2.75	0.38	0.38	
3/1/2008							0.00238	0.00238	2.72	2.72	0.36	0.36	
4/1/2008	1.9	0.17	5.43	5.43	0.09	0.09	0.0029	0.0029	2.48	2.48	ND		0.03
5/1/2008							0.0024	0.0024	3.18	3.18	0.56	0.56	
6/1/2008	0.155	0.24					0.0039	0.0039	3.17	3.17	0.4	0.4	
7/1/2008	2.6	ND	9.29	9.29	<0.01	0.005	0.009	0.009	3.22	3.22	ND	ND	ND
8/1/2008							0.0028	0.0028	2.68	2.68	0.37	0.37	
9/1/2008							0.0024	0.0024	3.33	3.33	0.36	0.36	
10/1/2008	3.7	0.23	11.5	11.5	0.11	0.11	0.0014	0.0014	2.83	2.83	0.43	0.43	ND
MEC													
			21.8		1		0.04		9		1.1		0.25
MAXIMUM													
			21.8		1		0.04		9		1.1		0.25
MINIMUM													
			2.59		0.08		0.0007		0.97		0.2		0.02
DETECTS													
			18		16		13		47		55		4
COUNT													
			23		23		57		58		58		23
% NONDETECT													
			21.7391		30.4348		77.193		18.97		5.1724		82.609
ST DEVIATION													
	1.788164			4.433		0.35809		0.00645		1.267		0.1933	
AVERAGE													
	2.212727			6.033		0.25022		0.01282		3.034		0.4695	
CV													
	0.808127			0.735		1.43113		0.50305		0.418		0.4118	
Default CV													
	0.8			0.8		1.4		0.5		0.4		0.4	0.6
ECA multipliers Table 1													
ECA Acute 99 multiplier													
	0.249			0.373		0.153		0.373		0.440		0.440	0.321
ECA Chronic 99 multiplier													
	0.440			0.581		0.281		0.581		0.643		0.643	0.527
AMEL multiplier 95													
	1.750			1.455		2.315		1.455		1.358		1.358	1.552
MDEL multiplier 99													
	4.009			2.684		6.556		2.684		2.275		2.275	3.114
MDEL/AMEL Multiplier													
	2.291			1.845		2.832		1.845		1.675		1.675	2.006
Bold = Detect													
Blue = DNQ													

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Effluent Data

CTR	12	13	13	14		16	17	18	19	20		21	22	23	
	Thallium	Zinc	1/2 Zinc	Cyanide	1/2 Cyanide	2,3,7,8-TCDD	Acrolein	ACRYLONITRILE	Benzene	Bromoform	1/2 BROMOFORM	Carbon Tetrachloride	Chlorobenzene	Chlorodibromomethane	1/2 Chlorodibromomethane
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
10/1/2007		45.4	45.4	1.4	1.4			<0.15		<0.22	0.11			1	1
11/1/2007		114	114	<1	0.5			<0.15							
12/1/2007		45.8	45.8	1.2	1.2			<0.15							
1/1/2008	ND	37.8	37.8	1.9	1.9			ND		0.3	0.3			1	1
2/1/2008		39.4	39.4	2.3	2.3			ND							
3/1/2008		38	38					ND							
4/1/2008	ND	43.4	43.4					ND		0.4	0.4			2	2
5/1/2008		40.4	40.4	2.6	2.6			ND							
6/1/2008		36.4	36.4	<1	0.5			ND							
7/1/2008	ND	46.4	46.4	<1	0.5		ND	ND	ND	5	5	ND	ND	15	15
8/1/2008		42	42	4	4			ND							
9/1/2008		34	34	2.6	2.6			ND							
10/1/2008	ND	38	38	2.3	2.3			ND		.7	7			17	17
MEC	0.08	114		4			0.54	0	0	7		0	0	17	
MAXIMUM	0.08	114		4			0.54	0	0	7		0	0	17	
MINIMUM	0.08	29		1.1			0.51	0	0	0.3		0	0	0.7	
DETECTS	1	57		24		0	2	0	0	14		0	0	23	
COUNT	22	58		32		0	13	58	13	24		1	1	24	
% NONDETECT	95.4545	1.72		25		#DIV/0!	84.6154	100	100	41.67		100	100	4.166667	
ST DEVIATION			15.6		0.863	#DIV/0!				1.65				4.2028	
AVERAGE			45.5		1.606	#DIV/0!				0.772				2.6935	
CV			0.34		0.537	#DIV/0!				2.137				1.5603	
Default CV	0.6		0.3		0.5	0.6	0.6	0.6	0.6	2.1		0.6	0.6	1.6	
ECA multipliers Table 1															
ECA Acute 99 multiplier	0.321		0.527		0.373		0.321	0.321	0.321	0.113	0.321	0.321		0.137	
ECA Chronic99 multiplier	0.527		0.715		0.581		0.527	0.527	0.527	0.195	0.527	0.527		0.249	
AMEL multiplier95	1.552		1.264		1.455		1.552	1.552	1.552	2.848	1.552	1.552		2.483	
MDEL multiplier99	3.114		1.896		2.684		3.114	3.114	3.114	8.830	3.114	3.114		7.287	
MDEL/AMEL Multiplier	2.006		1.500		1.845		2.006	2.006	2.006	3.101	2.006	2.006		2.934	
Bold = Detect															
Blue = DNQ															

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CTR	24	25	26	26	27		35	35	36	36	38	39	39	41
	Chloroethane	2-Chloroethylvinylether	Chloroform	1/2 Chloroform	Bromodichloromethane	Halomethanes	Chloromethane (Methyl chloride)	1/2 Chloromethane (Methyl chloride)	METHYLENE CHLORIDE	1/2 METHYLENE CHLORIDE	Tetrachloroethylene	Toluene	1/2 Toluene	1,1,1-Trichloroethane
	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1/1/2004			11	11	5	18.12	<0.07	0.035	<0.05	0.025	0.6	0.7	0.7	<0.1
2/1/2004											<0.15			
3/1/2004											<0.15			
4/1/2004			9	9	5	15.3	<0.07	0.035	0.06	0.06	<0.15			
5/1/2004			12	12	8	20.45	0.1	0.1	0.4	0.4	<0.15	2	2	<0.1
6/1/2004											<0.15			
7/1/2004			8	8	4	13.3	<0.07	0.035	0.2	0.2	<0.15	0.4	0.4	<0.1
8/1/2004											<0.15			
9/1/2004											<0.15			
10/1/2004			<0.05	0.025	6	8.425	<0.07	0.035	0.09	0.09	<0.15			
11/1/2004											<0.15			
12/1/2004											<0.15			
1/1/2005			14	14	7	23.5	0.1	0.1	0.1	0.1	<0.33	0.8	0.8	<0.1
2/1/2005											<0.33			
3/1/2005											<0.33			
4/1/2005			10	10	6	18.4	<0.21	0.105	0.06	0.06	<0.33			
5/1/2005			13	13	11	29	<0.21	0.105	0.06	0.06	<0.33	0.2	0.2	<0.1
6/1/2005											<0.33			
7/1/2005			9	9	5	15.13	<0.21	0.105	0.07	0.07	<0.33	<0.3	0.15	<0.1
8/1/2005											<0.33			
9/1/2005											<0.33			
10/1/2005			9	9	5	14.93	0.08	0.080	<0.21	0.105	<0.33			
11/1/2005											<0.33			
12/1/2005											<0.33			
1/1/2006			5.9	5.9	3.7	10.73	<0.21	0.105	<0.21	0.105	<0.33	<0.2	0.1	<0.1
2/1/2006			7.5	7.5	4.7	13.53	<0.21	0.105	<0.21	0.105	<0.33	<0.2	0.1	<0.1
3/1/2006											<0.33			
4/1/2006			5	5	3	8.83	<0.21	0.105	<0.21	0.105	<0.33			
5/1/2006											<0.33			
6/1/2006											<0.33			
7/1/2006			6	6	4	11.3	<0.21	0.105	0.05	0.05	<0.33	<0.2	0.1	<0.1
8/1/2006											<0.33			
9/1/2006											<0.33			
10/1/2006			6	6	4	11.13	<0.21	0.105	<0.21	0.105	<0.33			
11/1/2006											<0.33			
12/1/2006											<0.33			
1/1/2007			6	6	5	12.11	<0.07	0.035	<0.19	0.095	0.3	0.1	0.1	<0.1
2/1/2007											<0.1			
3/1/2007											0.2			
4/1/2007			7	7	8	18.6	<0.07	0.035	0.05	0.05	<0.1			
5/1/2007											<0.1			
6/1/2007			7	7	7	17.4	<0.07	0.035	0.06	0.06	<0.1	<0.21	0.105	<0.1
7/1/2007			5	5	3	9.01	0.09	0.090	0.1	0.1	<0.1	0.09	0.09	<0.1
8/1/2007											<0.1			
9/1/2007											<0.1			

Note: Detected but not Quantified (DNQ) values are in blue.
Other priority pollutants not listed were not detected in the effluent.

7/10
02/25/09
Adopted: 06/04/09

Table D1

Santa Clarita Valley Sanitation District of Los Angeles County - Valencia WRP
Effluent Data

CTR	24	25	26	26	27		35	35	36	36	38	39	39	41
	Chloroethane	2-Chloroethylvinylether	Chloroform	1/2 Chloroform	Bromodichloromethane	Halomethanes	Chloromethane (Methyl chloride)	1/2 Chloromethane (Methyl chloride)	METHYLENE CHLORIDE	1/2 METHYLENE CHLORIDE	Tetrachloroethylene	Toluene	1/2 Toluene	1,1,1-Trichloroethane
	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
10/1/2007			6	6	4	11.11	0.40	0.400	0.2	0.2	<0.1			
11/1/2007											<0.1			
12/1/2007											<0.1			
1/1/2008			5	5	3	9.3	<0.07	0.035	<0.21	0.105	<0.1			
2/1/2008											<0.1			
3/1/2008											<0.1			
4/1/2008			5	5	5	12.4			<0.21	0.105	<0.1			
5/1/2008											<0.1			
6/1/2008											<0.1			
7/1/2008	ND	ND	11	11	20	51	<0.07	0.035	<0.21	0.105	<0.1	<0.21	0.105	ND
8/1/2008											<0.1			
9/1/2008											<0.1			
10/1/2008			8	8	19	51	<0.07	0.035	<0.21	0.105	<0.1			
MEC														
			14		20	51	0.4		0.4		0.6	2		0
MAXIMUM														
			14		20	51	0.4		0.4		0.6	2		0
MINIMUM														
			5		3	8.425	0.08		0.05		0.2	0.09		0
DETECTS														
	0	0	23		24	24	5		13		3	7		0
COUNT														
	1	1	24		24	24	23		24		58	13		12
% NONDETECT														
	100	100	4.167		0	0	78		45.83333		94.828	46.154		100
ST DEVIATION														
				3.11	4.426	11.4		0.0763		0.07435			0.543	
AVERAGE														
				7.726	6.475	17.67		0.0852		0.106875			0.3808	
CV														
				0.403	0.684	0.646		0.8948		0.695668			1.426	
Default CV														
	0.6	0.6		0.4	0.7	0.6		0.9		0.7	0.6		1.4	0.6
ECA multipliers Table 1														
ECA Acute 99 multiplier														
	0.321	0.321		0.440	0.281	0.321		0.224		0.281	0.321		0.153	0.321
ECA Chronic 99 multiplier														
	0.527	0.527		0.643	0.481	0.527		0.404		0.481	0.527		0.281	0.527
AMEL multiplier 95														
	1.552	1.552		1.358	1.651	1.552		1.848		1.651	1.552		2.315	1.552
MDEL multiplier 99														
	3.114	3.114		2.275	3.559	3.114		4.459		3.559	3.114		6.556	3.114
MDEL/AMEL Multiplier														
	2.006	2.006		1.675	2.156	2.006		2.413		2.156	2.006		2.832	2.006
Bold = Detect														
Blue = DNQ														

Note: Detected but not Quantified (DNQ) values are in blue.
Other priority pollutants not listed were not detected in the effluent.

Table D1

Santa Clarita Valley Sanitation District of Los Angeles County - Valencia WRP
Effluent Data

CTR	55		68		77	79	96		105		
	2,4,6-TRICHLOROPHENOL	1/2 2,4,6-TRICHLOROPHENOL	Bis(2-ethylhexyl)phthalate [aka Diethylhexyl Phthalate]	1/2 Bis(2-ethylhexyl)phthalate [aka Diethylhexyl Phthalate]	P-Dichlorobenzene (aka 1,4-Dichlorobenzene)	Diethyl Phthalate	1/2 Diethyl Phthalate	N-nitrosodimethylamine	1/2 N-nitrosodimethylamine	Lindane (Gamma-BHC)	1/2 Lindane (Gamma-BHC)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1/1/2004	<0.5	0.25	<0.7	0.35	<0.6	<0.5	0.25	3.2	3.2	0.002	0.002
2/1/2004			<0.7	0.35	<0.6					0.003	0.003
3/1/2004			<0.7	0.35	<0.6					<0.001	0.0005
4/1/2004			<0.7	0.35	<0.6					<0.001	0.0005
5/1/2004	0.27	0.27	1	1	0.45	<0.5	0.25	3.9	3.9	<0.001	0.0005
6/1/2004			0.34	0.34	<0.6					<0.001	0.0005
7/1/2004	0.29	0.29	<0.7	0.35	<0.6	<0.5	0.25	2	2	<0.001	0.0005
8/1/2004			<0.7	0.35	<0.6					<0.001	0.0005
9/1/2004			<0.7	0.35	<0.6					<0.001	0.0005
10/1/2004			<0.7	0.35	<0.6					<0.001	0.0005
11/1/2004			<0.7	0.35	<0.6					<0.001	0.0005
12/1/2004			<0.7	0.35	<0.6					<0.001	0.0005
1/1/2005	0.5	0.5	1.2	1.2	<0.5	<0.2	0.1	1.5	1.5	<0.001	0.0005
2/1/2005			<0.7	0.35	<0.5					0.004	0.004
3/1/2005			<0.7	0.35	<0.5					0.004	0.004
4/1/2005			<0.7	0.35	<0.5					<0.001	0.0005
5/1/2005			<0.7	0.35	<0.5					<0.001	0.0005
6/1/2005			<0.7	0.35	<0.5					<0.001	0.0005
7/1/2005	<0.6	0.3	<0.7	0.35	<0.5	0.28	0.28	1.2	1.2	<0.001	0.0005
8/1/2005			<0.7	0.35	<0.5					<0.001	0.0005
9/1/2005			<0.7	0.35	<0.5					<0.001	0.0005
10/1/2005			<0.7	0.35	<0.5					<0.001	0.0005
11/1/2005			<0.7	0.35	<0.5					0.006	0.006
12/1/2005			<0.7	0.35	<0.5					0.006	0.006
1/1/2006	<0.6	0.3	<0.7	0.35	<0.5	<0.2	0.1	2.3	2.3	<0.001	0.0005
2/1/2006	<0.6	0.3	<0.7	0.35	<0.5	<0.2	0.1	2.2	2.2	0.006	0.006
3/1/2006			<0.7	0.35	<0.5					<0.001	0.0005
4/1/2006			<0.7	0.35	<0.5					<0.001	0.0005
5/1/2006			<0.7	0.35	<0.5					<0.001	0.0005
6/1/2006			<0.7	0.35	<0.5					0.005	0.005
7/1/2006	<0.6	0.3	<0.7	0.35	<0.5	<0.2	0.1	2.2	2.2	<0.001	0.0005
8/1/2006			<0.7	0.35	<0.5					<0.001	0.0005
9/1/2006			<0.7	0.35	<0.5					0.005	0.005
10/1/2006			<0.7	0.35	<0.5					<0.001	0.0005
11/1/2006			<0.7	0.35	<0.5					<0.001	0.0005
12/1/2006			<0.7	0.35	<0.5					0.006	0.006
1/1/2007	<0.6	0.3	0.3	0.3		0.3	0.3	<0.47	0.235	<0.001	0.0005
2/1/2007										<0.001	0.0005
3/1/2007										<0.001	0.0005
4/1/2007										0.003	0.003
5/1/2007					0.5					<0.001	0.0005
6/1/2007	<0.6	0.3	0.3	0.3	0.5	0.3	0.3	0.8	0.8	<0.001	0.0005
7/1/2007	<0.6	0.3	0.3	0.3	0.4	0.3	0.3	3	3	<0.001	0.0005
8/1/2007					<0.5					<0.001	0.0005
9/1/2007					<0.5					<0.001	0.0005

Note: Detected but not Quantified (DNQ) values are in blue.
Other priority pollutants not listed were not detected in the effluent.

Table D1

Santa Clarita Valley Sanitation District of Los Angeles County - Valencia WRP
Effluent Data

CTR	55		68		77	79		96		105	
	2,4,6-TRICHLOROPHENOL	1/2 2,4,6-TRICHLOROPHENOL	Bis(2-ethylhexyl)phthalate [aka Diethylhexyl Phthalate]	1/2 Bis(2-ethylhexyl)phthalate [aka Diethylhexyl Phthalate]	P-Dichlorobenzene (aka 1,4-Dichlorobenzene)	Diethyl Phthalate	1/2 Diethyl Phthalate	N-nitrosodimethylamine	1/2 N-nitrosodimethylamine	Lindane (Gamma-BHC)	1/2 Lindane (Gamma-BHC)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
10/1/2007			<0.7	0.35	<0.5	<0.7	0.35			<0.001	0.0005
11/1/2007			1.1	1.1	<0.5	1.1	1.1			<0.001	0.0005
12/1/2007			<0.7	0.35	<0.5	<0.7	0.35			<0.001	0.0005
1/1/2008			0.4	0.4	ND	0.5	0.5	0.8	0.8	0.002	0.002
2/1/2008					ND					<0.001	0.0005
3/1/2008			0.33	0.33	ND					<0.001	0.0005
4/1/2008			<0.7	0.35	ND					<0.001	0.0005
5/1/2008			<0.7	0.35	ND					0.005	0.005
6/1/2008			0.4	0.4	0.3					<0.001	0.0005
7/1/2008	<0.6	0.3	<0.7	0.35	0.3	<0.7	0.35	<0.47	0.235	<0.001	0.0005
8/1/2008			0.38	0.38	0.33					<0.001	0.0005
9/1/2008			<0.7	0.35	ND					<0.001	0.0005
10/1/2008			<0.7	0.35	ND					<0.001	0.0005
MEC	0.5		1.2		0.5	1.1		3.9		0.006	
MAXIMUM	0.5		1.2		0.5	1.1		3.9		0.006	
MINIMUM	0.27		0.3		0.3	0.28		0.8		0.002	
DETECTS	3		11		7	6		11		13	
COUNT	12		51		54	16		13		58	
% NONDETECT	75		78.4314		87.037	62.5		15.385		77.5862	
ST DEVIATION		0.062152		0.18036			0.2385		1.146234		0.001773
AVERAGE		0.309167		0.39314			0.3113		1.813077		0.001371
CV		0.201031		0.45877			0.7663		0.632204		1.293867
Default CV		0.2		0.5	0.6		0.8		0.6		1.3
ECA multipliers Table 1											
ECA Acute 99 multiplier		0.643	1.000	0.373	0.321		0.249		0.321		0.162
ECA Chronic 99 multiplier		0.797	1.000	0.581	0.527		0.440		0.527		0.300
AMEL multiplier 95		1.172	1.000	1.455	1.552		1.750		1.552		2.226
MDEL multiplier 99		1.554	1.000	2.684	3.114		4.009		3.114		6.166
MDEL/AMEL Multiplier		1.326	1.000	1.845	2.006		2.291		2.006		2.770
Bold = Detect											
Blue = DNQ											

Note: Detected but not Quantified (DNQ) values are in blue.
Other priority pollutants not listed were not detected in the effluent.

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Data (Station R-C, upstream of Discharge)

CTR #		1	2	3	4	5A	5B		6
Pollutant	Iron	Antimony	Arsenic	Beryllium	Cadmium	Chromium III	Chromium VI	Total Chromium	Copper
	Units ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		ug/L
1/1/2004	184	1	0.5	<0.1	0.1	<10	<1.25		<3
2/1/2004		<0.4	1.3						
3/1/2004		0.3	1.7						
4/1/2004	129	<0.4	1.2		<0.06	<10	1		5
5/1/2004		<0.4	1.9						
6/1/2004		<0.4	1.2						
7/1/2004	225	0.3	1.1	<0.1	0.2	<10	0.9		7
8/1/2004		<0.4	1.5						
9/1/2004		<0.4	1.3						
10/1/2004	31	<0.4	1.2		0.1	<10	1.4		<3
11/1/2004		<0.4	1.5						
12/1/2004		<0.4	1.3						
1/1/2005									
2/1/2005	35000	0.3	8.1	0.89	0.44	24	2.4		27.0
3/1/2005		0.5	11.90						
4/1/2005	5120	<0.3	3.60		0.14	31	0.7		4.4
5/1/2005		<0.3	1.60						
6/1/2005		<0.3	1.8						
7/1/2005	290	0.3	1.8	<0.01	0.14	<9	<0.6		2.7
8/1/2005		<0.3	1.6						
9/1/2005		<0.3	1.3						
10/1/2005	820	0.3	1.7		0.78	0.78	1		2.6
11/1/2005		<0.3	1.3						
12/1/2005		<0.3	1.3						
1/1/2006	590	<0.045	1.5	<0.03	<0.033	0.85	<0.6		2.1
2/1/2006		<0.045	1.5						
3/1/2006		<0.045	1.3						
4/1/2006	1490	0.3	1.9		<0.033	1.34	<0.6		3.28
5/1/2006		0.3	1.5						
6/1/2006		<0.045	1.5						
7/1/2006	<50	0.3	1.6	<0.03	0.13	<0.8	<0.6		2.48
8/1/2006		<0.045	1.51						
9/1/2006		<0.045	1.41						
10/1/2006	<50	0.23	1.13		0.17	<0.8	0.7		1.81
11/1/2006		0.34	0.99						
12/1/2006		0.23	1.2						
1/1/2007									

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Ddata (Station R-C, upstream of Discharge)

CTR #		1	2	3	4	5A	5B		6
Pollutant	Iron	Antimony	Arsenic	Beryllium	Cadmium	Chromium III	Chromium VI	Total Chromium	Copper
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		ug/L
2/1/2007	190	0.36	1.22	<0.3	0.11	<10	<1.6		2.99
3/1/2007		0.2	1.24						
4/1/2007	60	0.22	1.15		0.12	<10	0.7		1.56
5/1/2007		0.22	1.09						
6/1/2007		0.21	1.1						
7/1/2007	<50	0.33	1.29	<0.3	0.11	<10	<1.6		2.11
8/1/2007		0.17	1.2						
9/1/2007		0.23	1.44						
10/1/2007	60	0.24	1.33		0.16	<10	<1.6		3.89
11/1/2007		0.19	1.19						
12/1/2007		1.2	1.29						
1/1/2008	120	0.22	1.37	nd	0.14	nd	nd	0.26	3.95
2/1/2008		0.36	1.76						
3/1/2008		0.24	1.44						
4/1/2008	80	0.23	1.37		0.14	ND	ND	0.18	2.06
5/1/2008		0.23	1.26						
6/1/2008		0.29	1.31						
7/1/2008	ND	0.21	1.3		0.06	ND	ND	0.15	1.52
8/1/2008		0.22	1.33						
9/1/2008		0.19	1.36						
10/1/2008	8	0.2	1.32		0.14	ND	2	0.13	1.37
11/1/2008									
MEC	35000	1.2	11.9	<0.03	0.78	31	2.4	0.26	27
MAXIMUM	35000	1.2	11.9	0.89	0.78	31	2.4	0.26	27
MINIMUM	8	0.17	0.5	0.89	0.06	0.78	0.7		1.37
DETECTS	16	34	56	1	17	5	9		18
COUNT	20	56	56	9	20	20	20		20
% NONDETECT	20	39.28571	0	88.889	15	75	55		10
ST DEVIATION				#DIV/0!	0.17298		0.616441		
AVERAGE				0.89	0.187059		1.2		
CV				#DIV/0!	0.924736		0.513701		
Default CV									

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Data (Station R-C, upstream of Discharge)

CTR #	7	8	9	10	11	12	13	14
Pollutant	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Cyanide
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1/1/2004	1.9	<0.3	<8	1.2	0.23	<0.6	42	<3
2/1/2004		<0.3	10.00	3.4			44	<3
3/1/2004		<0.3	12.00	3.7			60	1.7
4/1/2004	1	<0.3	<8	4.3	0.41	<0.6	52	<3
5/1/2004		<0.3	<8	5			53	<3
6/1/2004		<0.3	<8	5.1			17	<3
7/1/2004	1	<0.3	11.00	4.1	<0.059	<0.6	24	1.8
8/1/2004		<0.3	9.00	3.3			21	1.4
9/1/2004		<0.3	<8	4.1		<2	<3	
10/1/2004	1	<0.3	<8	4	<0.059	<0.6	21	3.3
11/1/2004		<0.3	<8	3.6			24	<3
12/1/2004		<0.3	8.6	3.5			2.9	1.1
1/1/2005								
2/1/2005	17	<0.03	22	3.1	0.06	0.18	64	<1
3/1/2005		0.08	27	3.4			91	<1
4/1/2005	2.6	<0.03	7	2	<0.01	<0.004	13	<1
5/1/2005		<0.03	11	3.1			5.2	<1
6/1/2005		<0.03	11	2.7			5.5	<1
7/1/2005	0.3	0.03	12	3	<0.01	0.04	3	<1
8/1/2005		<0.03	12	2.4			5	<1
9/1/2005		<0.03	12	2.3			3	<1
10/1/2005	0.41	<0.03	12	2.3	<0.01	<0.004	5.5	<1
11/1/2005		<0.03	11	2.9			3.2	<1
12/1/2005		<0.03	11	2.6			4	<1
1/1/2006	0.32	<0.03	11.8	2.5	<0.05	<0.02	4.31	<1
2/1/2006		<0.03	12.5	2.8			<3.4	<1
3/1/2006		<0.03	10.1	2.6			<3.4	1.6
4/1/2006	0.81	<0.03	9.27	1.8	<0.05	<0.02	<3.4	1.1
5/1/2006		<0.03	10.2	2			<3.4	1.7
6/1/2006		<0.03	9.54	2.5			21.1	1.7
7/1/2006	0.07	<0.03	12.1	2.5	<0.05	<0.02	<3.4	1.1
8/1/2006		<0.03	10.7	3.3			12.2	<1
9/1/2006		<0.03	11.4	2.81			<3.4	1.4
10/1/2006	0.06	<0.03	11.5	2.3	<0.05	<0.02	<3.4	<1
11/1/2006		<0.03	12.3	2.45			3.4	<1
12/1/2006		<0.03	9.9	2.28			3.5	<1
1/1/2007								<1

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Ddata (Station R-C, upstream of Discharge)

CTR#	7	8	9	10	11	12	13	14
Pollutant	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Cyanide
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2/1/2007	0.24	<0.02	9.95	2.03	<0.05	<0.02	8	<1
3/1/2007		<0.02	9.65	2.36			2.8	<1
4/1/2007	0.07	<0.02	11.2	2.73	<0.05	<0.02	<2	<1
5/1/2007		<0.02	7.52	2.47			2.8	<1
6/1/2007		<0.02	7.15	2.58			<2	<1
7/1/2007	0.13	<0.02	9.84	2.87	<0.05	<0.02	31	<1
8/1/2007		<0.02	9.82	2.93			3.1	<1
9/1/2007		<0.02	10.4	5.16			5	<1
10/1/2007	0.19	<0.02	11.1	3.01	<0.05	<0.02	6.6	<1
11/1/2007			9.9	3.15			2	<1
12/1/2007			10.3	3.09			2.6	<1
1/1/2008	0.25	nd	10.4	3.03	nd	nd	5.4	nd
2/1/2008		ND	10.1	2.47			6.3	ND
3/1/2008		ND	9.84	2.58			7.3	ND
4/1/2008	0.08	ND	10.3	2.68	ND	ND	ND	ND
5/1/2008		ND	8.27	2.67			3.1	ND
6/1/2008		0.02	9.73	3.09			ND	ND
7/1/2008	0.029	0.01	8.17	3.07	ND	ND	ND	ND
8/1/2008		ND	8.16	3.3			1	1.1
9/1/2008		ND	8.44	3.23			8	1.5
10/1/2008	0.02	0.01	8.13	3.22	ND	ND	4	ND
11/1/2008								
MEC	17	0.08	27	5.16	0.41	0.18	91	3.3
MAXIMUM	17	0.08	27	5.16	0.41	0.18	91	3.3
MINIMUM	0.02	0.01	7	1.2	0.06	0.04	1	1.1
DETECTS	20	5	49	56	3	2	43	13
COUNT	20	54	56	56	20	20	56	57
% NONDETECT	0	90.74074	12.5	0	85	90	23.21429	77.19298
ST DEVIATION	3.740433	0.029155			0.175023808		20.82114	0.580451
AVERAGE	1.37395	0.03			0.2333333333		16.43744	1.576923
CV	2.722394				0.750102034		1.26669	
Default CV								

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Data (Station R-C, upstream of Discharge)

CTR #	15	16	17	18	19	20	21	23	26	27	36
Pollutant	Asbestos	2,3,7,8-TCDD (Dioxin)	Acrolein	Acrylonitrile	Benzene	Bromoform	Carbon Tetrachloride	Dibromochloromethane	Chloroform	Bromodichloromethane	Methylene chloride
Units	MFL	pg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1/1/2004				<0.57	<0.06	0.6	<0.1	2	9	4	0.1
2/1/2004				<0.57							
3/1/2004				<0.57							
4/1/2004				<0.57		<0.2	<0.1	<0.09	0.5	<0.1	
5/1/2004				<0.57							
6/1/2004				2							
7/1/2004				<0.57	<0.06	<0.2	<0.1	<0.09	0.5	0.06	<0.05
8/1/2004				<0.57							
9/1/2004				<0.57							
10/1/2004				<0.57		<0.2	<0.1	<0.09	0.1	<0.1	
11/1/2004				<0.57							
12/1/2004				<0.57							
1/1/2005											
2/1/2005				<0.48	<0.13	<0.3	<0.13	<0.13	0.1	<0.1	0.1
3/1/2005				<0.48							
4/1/2005				<0.48		<0.3		<0.13	<0.2	<0.1	
5/1/2005				<0.48							
6/1/2005				<0.48							
7/1/2005				<0.48	<0.13	<0.3	<0.13	<0.13	<0.2	<0.1	<0.21
8/1/2005				<0.48							
9/1/2005				<0.48							
10/1/2005				<0.48		<0.3		<0.13	<0.2	<0.1	
11/1/2005				<0.48							
12/1/2005				<0.48							
1/1/2006				<0.57		<0.2	<0.1	<0.09	<0.1	<0.1	0.06
2/1/2006				<0.57							
3/1/2006				<0.57							
4/1/2006				<0.57		<0.2	<0.1	<0.09	<0.1	<0.1	
5/1/2006				<0.57							
6/1/2006				<0.57							
7/1/2006				<0.57		<0.2	<0.1	<0.09	0.1	<0.1	0.05
8/1/2006				<0.57							
9/1/2006				<0.57							
10/1/2006				<0.57		<0.2	<0.1	<0.09	<0.1	<0.1	
11/1/2006				<0.57							
12/1/2006				<0.57							
1/1/2007											

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Data (Station R-C, upstream of Discharge)

CTR #	15	16	17	18	19	20	21	23	26	27	36
Pollutant	Asbestos	2,3,7,8-TCDD (Dioxin)	Acrolein	Acrylonitrile	Benzene	Bromoform	Carbon Tetrachloride	Dibromochloromethane	Chloroform	Bromodichloromethane	Methylene chloride
Units	MFL	pg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2/1/2007				<0.61		<0.2	<0.13	<0.08	<0.05	<0.1	<0.05
3/1/2007				<0.61							
4/1/2007				<0.61		<0.2	<0.13	<0.08	<0.05	<0.1	
5/1/2007				<0.61							
6/1/2007				<0.61							
7/1/2007				<0.61		<0.2	<0.13	<0.08	<0.05	<0.1	<0.05
8/1/2007				<0.61							
9/1/2007				<0.61							
10/1/2007				<0.61		<0.2	<0.13	<0.08	<0.05	<0.1	
11/1/2007				<0.61							
12/1/2007				<0.61							
1/1/2008			nd	nd	nd	nd	nd	nd	nd	nd	
2/1/2008				ND							
3/1/2008				ND							
4/1/2008				ND		ND	ND	ND	ND	ND	
5/1/2008				ND							
6/1/2008				ND							
7/1/2008		0	ND	ND	ND	ND	ND	ND	ND	ND	ND
8/1/2008				ND							
9/1/2008				ND							
10/1/2008				ND		ND		ND	ND	ND	
11/1/2008											
MEC				2	<0.06	0.6	<0.1	2	9	4	0.1
MAXIMUM	0	0	0	2	0	0.6	0	2	9	4	0.1
MINIMUM	0	0	0	<0.48	0	0.6	0	<0.08	0.1	<0.1	0.05
DETECTS	0	1	0	1	0	1	0	1	6	2	4
COUNT	0	1	2	56	6	20	17	20	20	20	9
% NONDETECT	#DIV/0!	0	100	98.21429	100	95	100	95	70	90	55.56
ST DEVIATION		#DIV/0!						#DIV/0!	3.5735		
AVERAGE		0						2	1.7167		
CV		#DIV/0!							2.0816		
Default CV											

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Ddata (Station R-C, upstream of Discharge)

CTR #	39	43	55	68	77	96	105
Pollutant	Toluene	Trichloroethylene (TCE)	2,4,6-trichlorophenol	Diethylhexyl phthalate [a.k.a.Bis(2-Ethylhexyl) Phthalate]	1,4-Dichlorobenzene	N-Nitrosodimethylamine	LINDANE (GAMMA-BHC)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1/1/2004	<0.06	<0.1	<0.5		<0.6	3.2	<0.001
2/1/2004					<0.6		<0.001
3/1/2004					<0.6		0.002
4/1/2004					<0.6		<0.001
5/1/2004					<0.6		<0.001
6/1/2004					<0.6		<0.001
7/1/2004	0.09	<0.1	<0.5		<0.6	<0.7	<0.001
8/1/2004					<0.6		<0.001
9/1/2004					<0.6		<0.001
10/1/2004					<0.6		<0.001
11/1/2004					<0.6		<0.001
12/1/2004					<0.6		<0.001
1/1/2005							
2/1/2005	<0.23	<0.1	<0.6	<0.7	<0.5	<0.5	<0.001
3/1/2005				<0.7	<0.5		<0.001
4/1/2005				<0.7	<0.5		<0.001
5/1/2005				<0.7	<0.5		<0.001
6/1/2005				<0.7	<0.5		<0.001
7/1/2005	<0.23	1.3	<0.6	<0.7	<0.5	<0.5	<0.001
8/1/2005				<0.7	<0.5		<0.001
9/1/2005				<0.7	<0.5		<0.001
10/1/2005				<0.7	<0.5		<0.001
11/1/2005				<0.7	<0.5		<0.001
12/1/2005				<0.7	<0.5		<0.001
1/1/2006	<0.06	<0.1		<0.7	<0.6	<0.7	<0.001
2/1/2006				<0.7	<0.6		<0.001
3/1/2006				<0.7	<0.6		<0.001
4/1/2006				<0.7	<0.6		<0.001
5/1/2006				<0.7	<0.6		<0.001
6/1/2006				<0.7	<0.6		<0.001
7/1/2006	<0.06	<0.1		<0.7	<0.6	<0.7	<0.001
8/1/2006				<0.7	<0.6		<0.001
9/1/2006				<0.7	<0.6		<0.001
10/1/2006				<0.7	<0.6		<0.001
11/1/2006				<0.7	<0.6		<0.001
12/1/2006				<0.7	<0.6		<0.001
1/1/2007							

Santa Clarita Valley Sanitation District of LA County
Valencia WRP
Receiving Water Ddata (Station R-C, upstream of Discharge)

CTR #	39	43	55	68	77	96	105
Pollutant	Toluene	Trichloroethylene (TCE)	2,4,6-trichlorophenol	Diethylhexyl phthalate [a.k.a.Bis(2-Ethylhexyl) Phthalate]	1,4-Dichlorobenzene	N-Nitrosodimethylamine	LINDANE (GAMMA-BHC)
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2/1/2007	<0.06	<0.1		<0.7	<0.5	<0.5	<0.001
3/1/2007				<0.7	<0.5		<0.001
4/1/2007				<0.7	<0.5		<0.001
5/1/2007				<0.7			<0.001
6/1/2007				<0.7			<0.001
7/1/2007	<0.06	<0.1		<0.7		<0.5	<0.001
8/1/2007				<0.7			<0.001
9/1/2007				<0.7			<0.001
10/1/2007				<0.7			<0.001
11/1/2007				<0.7			<0.001
12/1/2007				<0.7			<0.001
1/1/2008				nd			nd
2/1/2008				ND	ND		ND
3/1/2008				0.36	ND		ND
4/1/2008				0.7	ND		ND
5/1/2008				ND	ND		ND
6/1/2008				0.32	ND		ND
7/1/2008	ND	ND	ND	ND	ND	ND	ND
8/1/2008				0.64	ND		ND
9/1/2008				ND	ND		ND
10/1/2008				ND	ND		ND
11/1/2008							
MEC	0.09	1.3	<0.5	0.7	<0.5	3.2	0.002
MAXIMUM	0.09	1.3	<0.6	0.7	<0.6	3.2	0.002
MINIMUM	<0.06	<0.1	<0.5	0.32	<0.5	<0.5	0.002
DETECTS	1	1	0	4	0	1	1
COUNT	9	9	5	44	47	9	56
% NONDETECT	88.89	88.89	100	90.9091	100	88.89	98.21429
ST DEVIATION							
AVERAGE							
CV							
Default CV							

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
 SCVSDLAC - Valencia WRP
 (CA0054216, C# 4993)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				REASONABLE POTENTIAL ANALYSIS (RPA)					HUMAN HEALTH CALCS.			
					Freshwater		Human Health		Basin Plan	Tier 1: MEC >= Lowest C	Tier 2 B-C & Eff. present	Tier 3 - other info.	AMEL hh = ECA = C hh O	MDEL / AMEL multiplier	Organisms Only		
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O							Title 22 GWR	MDEL hh	MDEL hh
1	Antimony	µg/L	0.03	1.33	NONE	NONE	4300	14	6	6	NO	1.2	NO				
2	Arsenic	µg/L	0.5	2.3	340	150	NONE	NONE	10	10	NO	11.9	YES				
3	Beryllium	µg/L	1.4	0.25	DNQ	NONE	NONE	Narrative	4	4	NO	0.89	NO				
4	Cadmium*	µg/L	1.2	0.39	22	7.3	Narrative	Narrative	5	5	NO	0.78	NO				
5a	Chromium III*	µg/L	0.6	0.46	5400	640	Narrative	Narrative	50	640	NO	31	NO				
5b	Chromium VI	µg/L	0.8	6.0	DNQ	11,4345114	Narrative	Narrative	50	11	NO	2.4	NO				
6	Copper*	µg/L	0.8	21.8	52	31	1300	NONE	31	31	NO	27	NO				
7	Lead*	µg/L	1.4	1	DNQ	480	19	Narrative	19	19	NO	17	NO				
8	Mercury	µg/L	0.5	0.04	reserved	reserved	0.05	0.051	2	2	0.051	NO	0.08	YES		0.051	1.85
9	Nickel*	µg/L	0.4	9	DNQ	1500	170	610	100	100	NO	27	NO				
10	Selenium	µg/L	0.4	1.1	Reserved	5	Narrative	Narrative	50	5	NO	5.16	YES				
11	Silver*	µg/L	0.6	0.25	44	none	NONE	NONE	44	44	NO	0.41	NO				
12	Thallium	µg/L	0.6	0.08	DNQ	NONE	NONE	1.7	2	2	NO	0.18	NO				
13	Zinc*	µg/L	0.3	114	390	390	none	NONE	390	390	NO	91	NO				
14	Cyanide	µg/L	0.5	4	22	5.2	700	220,000	200	5.2	NO	3.3	NO				
15	Asbestos	Fibers/L			NONE	NONE	7,000,000	NONE	7x10 ⁶	7x10 ⁶			NO				
16	2,3,7,8-TCDD (Dioxin)	µg/L			NONE	NONE	1.3E-08	1.4E-08	3x10 ⁻⁵	1.4E-08			NO				
17	Aroclorin	µg/L	0.6	0.54	DNQ	NONE	NONE	780	780	780	NO	<0.1	NO				

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
 SCVSD/LAC - Valencia WRP
 (CA0054216, C# 4993)

CTR#	DATE	Units	AQUATIC LIFE CALCULATIONS						AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation	
			Freshwater			Freshwater			Freshwater		Lowest AMEL	Lowest MDEL	Lowest AMEL	Lowest MDEL		
			ECA acute multiplier (SIpp.9)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)						MDEL aq.life
1	Arsimony	µg/L														Deleted 6 µg/L limit previously found in Order No. R4-2003-0145 because no RPA. New monitoring data (new information) indicated pollutant does not have RP to cause or contribute to an exceedance of the WQO. Require monitoring.
2	Arsenic	µg/L														Need Limit Tier 2 the receiving water exceeds WQO and the discharge has RP to contribute to an exceedance of the Basin Plan WQO.
3	Beryllium	µg/L														Interim Monitoring - No CTR-based Limit
4	Cadmium*	µg/L														Interim Monitoring - No CTR-based Limit
5a	Chromium III*	µg/L														Interim Monitoring - No CTR-based Limit
5b	Chromium VI	µg/L														Interim Monitoring - No CTR-based Limit
6	Copper*	µg/L														Interim Monitoring - No CTR-based Limit
7	Lead*	µg/L														Interim Monitoring - No CTR-based Limit
8	Mercury	µg/L												0.051	0.094	Need Limit Tier 2 the receiving water exceeds WQO and the discharge has RP to contribute to an exceedance of the CTR Human Health Organisms only criteria.
9	Nickel*	µg/L														Deleted 100 µg/L limit previously found in Order No. R4-2003-0145 because no RPA. New monitoring data (new information) indicated pollutant does not have RP to cause or contribute to an exceedance of the WQO. Require monitoring.
10	Selenium	µg/L	0.44	#VALUE!	0.643	3.215	3.215	3.215	1.36	4.3724	2.275	7.314125	4.4	7.3		Need Limit Tier 2 the receiving water exceeds WQO and the discharge has RP to contribute to an exceedance of the CTR Aquatic Life criteria.
11	Silver*	µg/L														Interim Monitoring - No Limit
12	Thallium	µg/L														Interim Monitoring - No Limit
13	Zinc*	µg/L														Deleted 5,000 µg/L limit previously found in Order No. R4-2003-0145 because no RPA. New monitoring data (new information) indicated pollutant does not have RP to cause or contribute to an exceedance of the WQO. Require monitoring.
14	Cyanide	µg/L														Deleted 5.2 µg/L limit previously found in Order No. R4-2003-0145 because no RPA. New monitoring data (new information) indicated pollutant is not present in the effluent or receiving water. Require interim monitoring. Deleted values prior to January 2006 were artificially generated as a result of the preservatives added to the sample. Discharger obtained ELAP certification to run a new test method which does not require the use of preservatives. Cyanide data from January 2006 to the present, has been below the 5.2 µg/L CTR criteria. Cyanide data prior to January 2006 is not considered representative of the quality of effluent, and was therefore not used in the RPA determination.
15	Asbestos	Fibers/L														Interim Monitoring - No Limit
16	2,3,7,8-TCDD (Dioxin)	µg/L														Interim Quarterly Monitoring - Not enough data was available.
17	Acroftin	µg/L														Interim Monitoring - No Limit

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
SCVSDLAC - Valencia WRP
(CA0054216, C# 4893)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				REASONABLE POTENTIAL ANALYSIS (RPA)					HUMAN HEALTH CALCS.	
					Freshwater		Human Health		Basin Plan	Tier 1: MEC B >= Lowest C 1)	Tier 2 B>C (RD- & Eff. present ?	Tier 3 - other info.	AMELhh = ECA = C hh O	Organisms Only	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O						Title 22 GWR	Lowest C
18	Acrylonitrile	µg/L	0.6	<0.57	NONE	NONE	0.059	0.66	1	NO	2				
19	Benzene	µg/L	0.6	<0.1	NONE	NONE	1.2	71	1	NO	ND	NO			
20	Bromoform	µg/L	2.1		NONE	NONE	4.3	360		NO	0.6	NO			
21	Carbon Tetrachloride	µg/L	0.6	<0.1	NONE	NONE	0.25	4.4	600		ND	NO			
22	Chlorobenzene	µg/L	0.6	<0.1	NONE	NONE	680	21,000		NO	ND	NO			
23	Dibromochloromethane	µg/L	1.6		NONE	NONE	0.401	34		NO	2	NO			
24	Chloroethane	µg/L	0.6	<0.1	NONE	NONE	NONE	NONE		NA	ND	NO			
25	2-chloroethyl vinyl ether	µg/L	0.6	<0.5	NONE	NONE	NONE	NONE		NA	ND	NO			
26	Chloroform	µg/L	0.4		NONE	NONE	Reserved	Reserved		NA	9	NO			
27	Dichloromethane	µg/L	0.7		NONE	NONE	0.56	46		NA	4	NO			
28	1,1-Dichloroethane	µg/L	0.6	<0.1	NONE	NONE	NONE	NONE		5	ND	NO			
29	1,2-dichloroethane	µg/L	0.6	<0.08	NONE	NONE	0.38	99		0.5	ND	NO			
30	1,1-Dichloroethylene	µg/L	0.6	<0.2	NONE	NONE	0.057	3.2		6	ND	NO			
31	1,2-dichloropropane	µg/L	0.6	<0.2	NONE	NONE	0.52	39		5	ND	NO			
32	1,3-dichloropropylene	µg/L	0.6	<0.1	NONE	NONE	10	1,700		0.5	ND	NO			
33	Ethylbenzene	µg/L	0.8	<0.5	NONE	NONE	3100	29,000		0.7	ND	NO			
34	Methyl bromide	µg/L	0.6	<0.5	NONE	NONE	48	4,000		Narrative	NA	NO			
35	Methyl chloride	µg/L	0.9		NONE	NONE	Narrative	Narrative		Narrative	NA	NO			
36	Methylene chloride	µg/L	0.7		NONE	NONE	4.7	1,600		1,600	NO	NO			
37	1,1,2,2-tetrachloroethane	µg/L	0.8	<0.5	NONE	NONE	0.17	11		1	NO	NO			
38	Tetrachloroethylene	µg/L	0.6		0.6	NONE	0.8	8.85		5	ND	NO			
39	Toluene	µg/L	1.4		2	NONE	6600	200,000		150	NO	NO			
40	Trans 1,2-Dichloroethylene	µg/L	0.6		NONE	NONE	700	140,000		10	ND	NO			
41	1,1,1-Trichloroethane	µg/L	0.6	<0.1	NONE	NONE	Narrative	Narrative		200	ND	NO			
42	1,1,2-Trichloroethane	µg/L	0.6		NONE	NONE	0.6	42		5	ND	NO			
43	Trichloroethylene	µg/L	0.6		NONE	NONE	2.7	81		5	ND	NO			
44	Vinyl chloride	µg/L	0.6		NONE	NONE	2	525		0.5	ND	NO			
45	2-chlorophenol	µg/L	0.6		NONE	NONE	120	400		400	ND	NO			
46	2,4-dichlorophenol	µg/L	0.6		NONE	NONE	93	790		790	ND	NO			
47	2,4-dimethylphenol	µg/L	0.6		NONE	NONE	540	2,300		2,300	ND	NO			
48	4,6-dinitro-o-resol	µg/L	0.6		NONE	NONE	13.4	765		765	ND	NO			
49	(aka 2-methyl-4,6-Dinitrophenol)	µg/L	0.6		NONE	NONE	70	14,000		14,000	ND	NO			
50	2-nitrophenol	µg/L	0.6		NONE	NONE	NONE	NONE		None	ND	NO			
51	4-nitrophenol	µg/L	0.6		NONE	NONE	NONE	NONE		None	ND	NO			
52	3-Methyl-4-Chlorophenol	µg/L	0.6		NONE	NONE	NONE	NONE		None	ND	NO			
53	(aka P-chloro-m-resol)	µg/L	0.6		NONE	NONE	0.28	8.2		1	ND	NO			
54	Pentachlorophenol	µg/L	0.6		NONE	NONE	21,000	4,600,000		4.6x10 ⁶	ND	NO			
55	2,4,6-trichlorophenol	µg/L	0.2		0.5	NONE	2.1	6.5		6.5	NO	NO			
56	Acenaphthene	µg/L	0.6		NONE	NONE	1200	2,700		2,700	ND	NO			
57	Acenaphthylene	µg/L	0.6		NONE	NONE	NONE	NONE		NONE	ND	NO			
58	Anthracene	µg/L	0.6		NONE	NONE	9600	110,000		110,000	ND	NO			
59	Benzo(a)anthracene	µg/L	0.6		NONE	NONE	0.0012	0.00054		0.00054	ND	NO			
60	Benzo(b)anthracene	µg/L	0.6		NONE	NONE	0.0044	0.049		0.049	ND	NO			
61	Benzo(g)Pyrene	µg/L	0.6		NONE	NONE	0.0044	0.049		0.049	ND	NO			

02/25/09
Adopted: 06/04/09

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
 SCVSDLAC - Valencia WRP
 (CA0054216, C# 4993)

CTR#	DATE	Units	AQUATIC LIFE CALCULATIONS				AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation
			Freshwater		Freshwater		Freshwater		Lowest AMEL	Lowest MDEL			
			ECA acute multiplier (SIPp.9)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aq.life		
18	Acrylonitrile	µg/L											Deleted 0.66 µg/L monthly average and 1.3 µg/L daily maximum limits previously found in Order No. R4-2003-0145 because no RPA. New monitoring data (new information) indicated pollutant does not have RP to cause or contribute to an exceedance of the WQO. Only require monitoring.
19	Benzene	µg/L											Interim Monitoring - No Limit
20	Bromoform	µg/L											Interim Monitoring - No Limit
21	Carbon Tetrachloride	µg/L											Interim Monitoring - No Limit
22	Chlorobenzene	µg/L											Interim Monitoring - No Limit
23	Dibromochloromethane	µg/L											Interim Monitoring - No Limit
24	Chloroethane	µg/L											No Limit - No Criteria Available
25	2-chloroethyl vinyl ether	µg/L											No Limit - No Criteria Available
26	Chloroform	µg/L											Interim Monitoring - No Limit
27	Dichlorobromomethane	µg/L											Interim Monitoring - No Limit
28	1,1-Dichloroethane	µg/L											Interim Monitoring - No Limit
29	1,2-dichloroethane	µg/L											Interim Monitoring - No Limit
30	1,1-Dichloroethylene	µg/L											Interim Monitoring - No Limit
31	1,2-dichloropropane	µg/L											Interim Monitoring - No Limit
32	1,3-dichloropropylene	µg/L											Interim Monitoring - No Limit
33	Ethylbenzene	µg/L											Interim Monitoring - No Limit
34	Methyl bromide	µg/L											Interim Monitoring - No Limit
35	Methyl chloride	µg/L											Interim Monitoring - No Limit
36	Methylene chloride	µg/L											Interim Monitoring - No Limit
37	1,1,2,2-tetrachloroethane	µg/L											Interim Monitoring - No Limit
38	Tetrachloroethylene	µg/L											Deleted 5 µg/L monthly average limit previously found in Order No. R4-2003-0145 because no RPA. New monitoring data (new information) indicated pollutant does not have RP to cause or contribute to an exceedance of the WQO. Only require monitoring.
39	Toluene	µg/L											Interim Monitoring - No Limit
40	Trans 1,2-Dichloroethylene	µg/L											Interim Monitoring - No Limit
41	1,1,1-Trichloroethane	µg/L											Interim Monitoring - No Limit
42	1,1,2-Trichloroethane	µg/L											Interim Monitoring - No Limit
43	Trichloroethylene	µg/L											Interim Monitoring - No Limit
44	Vinyl chloride	µg/L											Interim Monitoring - No Limit
45	2-chlorophenol	µg/L											Interim Monitoring - No Limit
46	2,4-dihydroxyphenol	µg/L											Interim Monitoring - No Limit
47	2,4-dimethylphenol	µg/L											Interim Monitoring - No Limit
48	4,6-dinitro-o-resol	µg/L											Interim Monitoring - No Limit
48	(aka 2-methyl-4,6-Dinitrophenol)	µg/L											Interim Monitoring - No Limit
49	2,4-dinitrophenol	µg/L											Interim Monitoring - No Limit
50	2-nitrophenol	µg/L											No Criteria Available
51	4-nitrophenol	µg/L											No Criteria Available
52	3-Methyl-4-Chlorophenol	µg/L											No Criteria Available
52	(aka p-chloro-m-resol)	µg/L											Interim Monitoring - No Limit
53	Pentachlorophenol	µg/L											Interim Monitoring - No Limit
54	Phenol	µg/L											Interim Monitoring - No Limit
55	2,4,6-triChlorophenol	µg/L											Interim Monitoring - No Limit
56	Acenaphthene	µg/L											Interim Monitoring - No Limit
57	Acenaphthylene	µg/L											Interim Monitoring - No Limit
58	Anthracene	µg/L											No Criteria Available
59	Benazidine	µg/L											Interim Monitoring - No Limit
60	Benzo(a)Anthracene	µg/L											Interim Monitoring - No Limit
61	Benzo(b)Pyrene	µg/L											Interim Monitoring - No Limit

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
SCVSD/LAC - Valencia WRP
(CA0054216, C# 4993)

CTR#	DATE	Units	CV	MEC	CTR CRITERIA				REASONABLE POTENTIAL ANALYSIS (RPA)				HUMAN HEALTH CALCS.			
					Freshwater		Human Health		Basin Plan	Tier 1: MEC B >= Lowest C 1)	Tier 2 B >C (RD- & Eff. present ?)	Tier 3 - other info. ?	AMELhh = ECA = C hh O multiplier	MDEL/AMEL multiplier	MDEL hh	
					C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O								Title 22 GWR
62	Benzo(b)Fluoranthene	µg/L	0.6	0.6	NONE	NONE	0.0044	NONE	0.049		ND	NO				
63	Benzo(g,h)Perylene	µg/L	0.6	0.6	NONE	NONE	NONE	NONE	NONE		ND	NO				
64	Benzo(k)Fluoranthene	µg/L	0.6	0.6	NONE	NONE	0.0044	NONE	0.049		ND	NO				
65	Bis(2-Chloroethoxy)methane	µg/L	0.6	0.6	NONE	NONE	NONE	NONE	NONE		ND	NO				
66	Bis(2-Chloroethyl)Ether	µg/L	0.6	0.6	NONE	NONE	0.031	NONE	1.4		ND	NO				
67	Bis(2-Chloroisopropyl) Ether	µg/L	0.6	0.6	NONE	NONE	1400	170,000	170,000		ND	NO				
68	Bis(2-Ethylhexyl) Phthalate	µg/L	0.5	1.2 DNQ	NONE	NONE	1.8	5.9	4	4	NO	0.7	NO			
69	4-Bromophenyl Phenyl Ether	µg/L	0.6	0.6	NONE	NONE	NONE	NONE	NONE		ND	NO				
70	Butylbenzyl Phthalate	µg/L	0.6	0.6	NONE	NONE	3000	5,200	5,200		ND	NO				
71	2-Chloronaphthalene	µg/L	0.6	0.6	NONE	NONE	1700	4,300	4,300		ND	NO				
72	4-Chlorophenyl Phenyl Ether	µg/L	0.6	0.6	NONE	NONE	NONE	NONE	NONE		ND	NO				
73	Chrysene	µg/L	0.6	0.6	NONE	NONE	0.0044	0.049	0.049		ND	NO				
74	Dibenz(a,h)Anthracene	µg/L	0.6	0.6	NONE	NONE	0.0044	0.049	0.049		ND	NO				
75	1,2-Dichlorobenzene	µg/L	0.6	0.6	NONE	NONE	2700	17,000	600	600	ND	NO				
76	1,3-Dichlorobenzene	µg/L	0.6	0.6	NONE	NONE	400	2,600	2,600		ND	NO				
77	1,4-Dichlorobenzene	µg/L	0.6	0.5	NONE	NONE	400	2,600	5	5	NO	NO				
78	3,3'-Dichlorobenzidine	µg/L	0.6	0.6	NONE	NONE	0.04	0.077		0.077	ND	NO				
79	Diethyl Phthalate	µg/L	0.8	1.1 DNQ	NONE	NONE	23000	120,000		120,000	NO	NO				
80	Dimethyl Phthalate	µg/L	0.6	0.6	NONE	NONE	313000	2,900,000		2.9x10 ⁶	ND	NO				
81	Di-n-Butyl Phthalate	µg/L	0.6	0.6	NONE	NONE	2700	12,000		12,000	ND	NO				
82	2,4-Dinitrotoluene	µg/L	0.6	0.6	NONE	NONE	0.11	9.1		9.1	ND	NO				
83	2,6-Dinitrotoluene	µg/L	0.6	0.6	NONE	NONE	NONE	NONE		NONE	ND	NO				
84	Di-n-Octyl Phthalate	µg/L	0.6	0.6	NONE	NONE	NONE	NONE		NONE	ND	NO				
85	1,2-Diphenylhydrazine	µg/L	0.6	0.6	NONE	NONE	0.04	0.54		0.54	ND	NO				
86	Fluoranthene	µg/L	0.6	0.6	NONE	NONE	300	370		370	ND	NO				
87	Fluorene	µg/L	0.6	0.6	NONE	NONE	1300	14,000		14,000	ND	NO				
88	Hexachlorobenzene	µg/L	0.6	0.6	NONE	NONE	0.00075	0.00077		0.00077	ND	NO				
89	Hexachlorobutadiene	µg/L	0.6	0.6	NONE	NONE	0.44	50		50	ND	NO				
90	Hexachlorocyclopentadiene	µg/L	0.6	0.6	NONE	NONE	240	17,000		17,000	ND	NO				
91	Hexachloroethane	µg/L	0.6	0.6	NONE	NONE	1.9	8.9		8.9	ND	NO				
92	Indeno(1,2,3-cd)Pyrene	µg/L	0.6	0.6	NONE	NONE	0.0044	0.049		0.049	ND	NO				
93	Isophorone	µg/L	0.6	0.6	NONE	NONE	8.4	600		600	ND	NO				
94	Naphthalene	µg/L	0.6	0.6	NONE	NONE	NONE	NONE		NONE	ND	NO				
95	Nitrobenzene	µg/L	0.6	0.6	NONE	NONE	17	1,900		1,900	ND	NO				
96	N-Nitrosodimethylamine	µg/L	0.6	3.9 DNQ	NONE	NONE	0.00069	8.1		8.1	3.2	NO				
97	N-Nitrosodi-n-Propylamine	µg/L	0.6	0.6	NONE	NONE	0.006	1.4		1.4	NO	NO				
98	N-Nitrosodiphenylamine	µg/L	0.6	0.6	NONE	NONE	5	16		16	ND	NO				
99	Phenanthrene	µg/L	0.6	0.6	NONE	NONE	NONE	NONE		NONE	ND	NO				
100	Pyrene	µg/L	0.6	0.6	NONE	NONE	960	11,000		11,000	ND	NO				
101	1,2,4-Trichlorobenzene	µg/L	0.6	0.6	NONE	NONE	NONE	NONE		NONE	ND	NO				
102	Aldrin	µg/L	0.6	0.6	3	NONE	0.00013	0.00014		0.00014	ND	NO				
103	alpha-BHC	µg/L	0.6	0.6	NONE	NONE	0.0039	0.013		0.013	ND	NO				
104	beta-BHC	µg/L	0.6	0.6	NONE	NONE	0.014	0.046		0.046	ND	NO				

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
SCVSDLAC - Valencia WRP
(CA0054216, C# 4993)

CTR#	DATE	Units	AQUATIC LIFE CALCULATIONS						AQUATIC LIFE CALCULATIONS				PROPOSED LIMITS		Recommendation	
			Freshwater			Freshwater			Freshwater		Lowest AMEL	Lowest MDEL	Interim Monitoring - No Limit	No Criteria Available		
			ECA acute multiplier (SIPp.9)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA	AMEL multiplier (n=4)	MDEL multiplier (n=4)	MDEL aq.life						
62	Benzo(b)Fluoranthene	µg/L														
63	Benzo(g,h,i)Perylene	µg/L														Interim Monitoring - No Limit
64	Benzo(k)Fluoranthene	µg/L														Interim Monitoring - No Limit
65	Bis(2-Chloroethoxy)methane	µg/L														Interim Monitoring - No Limit
66	Bis(2-Chloroethyl)Ether	µg/L														Interim Monitoring - No Limit
67	Bis(2-Chloroisopropyl) Ether	µg/L														Interim Monitoring - No Limit
68	Bis(2-Ethylhexyl) Phthalate	µg/L														Interim Monitoring - No Limit
69	4-Bromophenyl Phenyl Ether	µg/L														Interim Monitoring - No Limit
70	Butylbenzyl Phthalate	µg/L														Interim Monitoring - No Limit
71	2-Chloronaphthalene	µg/L														Interim Monitoring - No Limit
72	4-Chlorophenyl Phenyl Ether	µg/L														Interim Monitoring - No Limit
73	Chrysene	µg/L														Interim Monitoring - No Limit
74	Dibenzo(a,h)Anthracene	µg/L														Interim Monitoring - No Limit
75	1,2-Dichlorobenzene	µg/L														Interim Monitoring - No Limit
76	1,3-Dichlorobenzene	µg/L														Interim Monitoring - No Limit
77	1,4-Dichlorobenzene	µg/L														Interim Monitoring - No Limit
78	3,3'-Dichlorobenzidine	µg/L														Interim Monitoring - No Limit
79	Diethyl Phthalate	µg/L														Interim Monitoring - No Limit
80	Dimethyl Phthalate	µg/L														Interim Monitoring - No Limit
81	Di-n-Butyl Phthalate	µg/L														Interim Monitoring - No Limit
82	2,4-Dinitrotoluene	µg/L														Interim Monitoring - No Limit
83	2,6-Dinitrotoluene	µg/L														Interim Monitoring - No Limit
84	Di-n-Octyl Phthalate	µg/L														Interim Monitoring - No Limit
85	1,2-Diphenylhydrazine	µg/L														Interim Monitoring - No Limit
86	Fluoranthene	µg/L														Interim Monitoring - No Limit
87	Fluorene	µg/L														Interim Monitoring - No Limit
88	Hexachlorobenzene	µg/L														Interim Monitoring - No Limit
89	Hexachlorobutadiene	µg/L														Interim Monitoring - No Limit
90	Hexachlorocyclopentadiene	µg/L														Interim Monitoring - No Limit
91	Hexachloroethane	µg/L														Interim Monitoring - No Limit
92	Indeno(1,2,3-cd)Pyrene	µg/L														Interim Monitoring - No Limit
93	Isophorone	µg/L														Interim Monitoring - No Limit
94	Naphthalene	µg/L														Interim Monitoring - No Limit
95	Nitrobenzene	µg/L														Interim Monitoring - No Limit
96	N-Nitrosodimethylamine	µg/L														Interim Monitoring - No Limit
97	N-Nitrosodi-n-Propylamine	µg/L														Interim Monitoring - No Limit
98	N-Nitrosodiphenylamine	µg/L														Interim Monitoring - No Limit
99	Phenanthrene	µg/L														Interim Monitoring - No Limit
100	Pyrene	µg/L														Interim Monitoring - No Limit
101	1,2,4-Trichlorobenzene	µg/L														Interim Monitoring - No Limit
102	Aldrin	µg/L														Interim Monitoring - No Limit
103	alpha-BHC	µg/L														Interim Monitoring - No Limit
104	beta-BHC	µg/L														Interim Monitoring - No Limit

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
 SCVSLAC - Valencia WRP
 (CA0054216, C# 4993)

CTR#	DATE	CTR CRITERIA				REASONABLE POTENTIAL ANALYSIS (RPA)							HUMAN HEALTH CALCCS.					
		Freshwater		Human Health		Basin Plan	Tier 1: MEC B >= Lowest C	Tier 2 B>C & Eff. present ?	Tier 3 - other info. ?	AMELth = ECA = C hh O multiplier	MDEL/AMEL multiplier	MDEL hh	Organisms Only					
		C acute = CMC tot	C chronic = CCC tot	Not applicable C hh W&O	C hh O								Title 22 GWR	0.063 NO	0.002 DNQ			
105	gamma-BHC (aka Lindane)	µg/L	1.3	0.006	DNQ	NONE	0.95	NONE	0.019	0.063	0.2	NONE	0.063	NO				
106	delta-BHC	µg/L	0.6	0.6		NONE	0.0043	NONE	0.00057	0.00059		0.00059	0.00059	NO				
107	Chlordane	µg/L	0.6	0.6		NONE	1.1	0.001	0.00059	0.00059		0.00059	0.00059	NO				
108	4,4'-DDT	µg/L	0.6	0.6		NONE	0.00059	0.00059	0.00059	0.00059		0.00059	0.00059	NO				
109	4,4'-DDE	µg/L	0.6	0.6		NONE	0.00083	0.00084	0.00083	0.00084		0.00084	0.00084	NO				
110	4,4'-DDD	µg/L	0.6	0.6		NONE	0.00014	0.00014	0.00014	0.00014		0.00014	0.00014	NO				
111	Dieldrin	µg/L	0.6	0.6		0.24	0.056	0.056	0.00014	0.00014		0.00014	0.00014	NO				
112	alpha-Endosulfan	µg/L	0.6	0.6		0.22	0.056	0.056	0.056	0.056		0.056	0.056	NO				
113	beta-Endosulfan	µg/L	0.6	0.6		0.22	0.056	0.056	0.056	0.056		0.056	0.056	NO				
114	Endosulfan Sulfate	µg/L	0.6	0.6		NONE	0.086	0.086	0.086	0.086		0.086	0.086	NO				
115	Endrin	µg/L	0.6	0.6		NONE	0.036	0.036	0.036	0.036		0.036	0.036	NO				
116	Endrin Aldehyde	µg/L	0.6	0.6		NONE	0.036	0.036	0.036	0.036		0.036	0.036	NO				
117	Heptachlor	µg/L	0.6	0.6		0.52	0.0038	0.00021	0.00021	0.00021		0.00021	0.00021	NO				
118	Heptachlor Epoxide	µg/L	0.6	0.6		0.52	0.0038	0.00021	0.00021	0.00021		0.00021	0.00021	NO				
	Polychlorinated biphenyls (PCBs)	µg/L	0.6	0.6														
119	Aroclor 1016	µg/L	0.6	0.6		NONE	0.014	0.00017	0.00017	0.00017		0.00017	0.00017	NO				
120	Aroclor 1221	µg/L	0.6	0.6		NONE	0.014	0.00017	0.00017	0.00017		0.00017	0.00017	NO				
121	Aroclor 1232	µg/L	0.6	0.6		NONE	0.014	0.00017	0.00017	0.00017		0.00017	0.00017	NO				
122	Aroclor 1242	µg/L	0.6	0.6		NONE	0.014	0.00017	0.00017	0.00017		0.00017	0.00017	NO				
123	Aroclor 1248	µg/L	0.6	0.6		NONE	0.014	0.00017	0.00017	0.00017		0.00017	0.00017	NO				
124	Aroclor 1254	µg/L	0.6	0.6		NONE	0.014	0.00017	0.00017	0.00017		0.00017	0.00017	NO				
125	Aroclor 1260	µg/L	0.6	0.6		NONE	0.014	0.00017	0.00017	0.00017		0.00017	0.00017	NO				
126	Toxaphene	µg/L	0.6	0.6		0.73	0.0002	0.0002	0.0073	0.00075		0.00075	0.00075	NO				

FOOTNOTE:
 These metals are hardness dependent. CTR criteria was calculated using an average receiving water hardness of 400 mg/L (from Station R-C).

TABLE R1

Reasonable Potential Analysis for Priority Pollutants
 SCVSDLAC - Valencia WRP
 (CA0054216, C# 4993)

CTR#	DATE	Units	AQUATIC LIFE CALCULATIONS						AQUATIC LIFE CALCULATIONS			PROPOSED LIMITS		Recommendation	
			Freshwater			Freshwater			AMEL multiplier (n=4)	MDEL multiplier (n=4)	MDEL aq.life	Lowest AMEL	Lowest MDEL		
			ECA acute multiplier (SIPp.9)	LTA acute	ECA chronic multiplier	LTA chronic	Lowest LTA								
105	gamma-BHC (aka Lindane)	µg/L													Deleted 0.2 µg/L monthly average limit previously found in Order No. R4-2003-0145 because no RPA. New monitoring data (new information) indicated pollutant does not have RP to cause or contribute to an exceedance of the WQO. Only require monitoring. Interim Monitoring - No Limit
106	delta-BHC	µg/L													
107	Chlordane	µg/L													
108	4,4'-DDT	µg/L													
109	4,4'-DDE	µg/L													
110	4,4'-DDD	µg/L													
111	Dieldrin	µg/L													
112	alpha-Endosulfan	µg/L													
113	beta-Endosulfan	µg/L													
114	Endosulfan Sulfate	µg/L													
115	Endrin	µg/L													
116	Endrin Aldehyde	µg/L													
117	Heptachlor	µg/L													
118	Heptachlor Epoxide	µg/L													
119	Polychlorinated biphenyls (PCBs)	µg/L													
120	Aroclor 1016	µg/L													
121	Aroclor 1221	µg/L													
121	Aroclor 1232	µg/L													
122	Aroclor 1242	µg/L													
123	Aroclor 1248	µg/L													
124	Aroclor 1254	µg/L													
125	Aroclor 1260	µg/L													
126	Toxaphene	µg/L													

FOOTNOTE:
 These metals are hardness dependent. CTR criteria was calculated using an average receiving water hardness of 400 mg/L (from Station R-C).

Table R2
REASONABLE POTENTIAL ANALYSIS

Santa Clarita Valley Sanitation District of Los Angeles County - Valencia WRP

CONSTITUENT	Units	Number of Samples	Maximum Observed Effluent Concentration	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Seawater Concentration	Projected Maximum Receiving Water Concentration	Water Quality Objectives	REASONABLE POTENTIAL	
											C-Human carcinogen NC-Human noncarcinogen AP-Aquatic life protection GWR- Groundwater Recharge protection	YES YES
Halomethanes	µg/L	24	51	0.6	2.16	110.24	0		110.24	80	GWR	YES
Iron	µg/L	13	115	0.6	2.71	311.50	0		311.50	300	GWR	YES

* Effluent limits are prescribed for these constituents whose projected maximum receiving water concentrations exceed criteria.