Table G-1. Chemicals of Potential Concern, Analytical Methods, Method Detection Limits, and Available MCLs and Region IX PRGs
Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

Group	Compound	CAS RN	Analytical Method	Practical Quantitation Limit[9] (ug/L)	MDL[9] (ug/L)	CAL MCL[3] (ug/L)	Fed MCL[3] (ug/L)	PRG[1] (ug/L)	Lowest Human Health Risk Screening Level (ug/L)
INORGANICS									
	Aluminum	7429-90-5	EPA 6010B	50.		1000		36,000	1000
	Antimony	7440-36-0	EPA 200.8	2.		6	6	15	6
	Arsenic	7440-38-2	EPA 200.8	2.	0.78	50	10	0.045 / 0.0071[2]	0.007
	Barium	7440-38-3	EPA 6010B	10.		1000	2000	2600	1000
	Beryllium	7440-41-7	EPA 200.8	1.		4	4	73	4
	Cadmium	7440-43-9	EPA 200.8	1.	0.083	5	5	18	5
	Calcium	7440-70-2	EPA 6010B	50.					
	Chromium	7440-47-3	EPA 6010B	10.		50	100	110 [12]	50
	Cobalt	7440-48-4	EPA 6010B	50.				730	730
	Copper	7440-50-8	EPA 6010B	10.		1000 [13]	1300	1500	1000
	Cyanide (Total & Amenable)	57-12-5	EPA 9010B/	20.		150	200	730	150
	Iron	7439-89-6	EPA 6010B	50.				11000	11000
	Lead	7439-92-1	EPA 200.8	1.		15	15		15
	Magnesium	7439-95-4	EPA 6010B	50.					
	Manganese	7439-96-5	EPA 6010B	10.			50	880	50
	Mercury	7439-97-6	EPA 7470A	0.2		2	2	11	2
	Molybdenum	7439-98-7	EPA 6010B	50.				180	180
	Nickel	7440-02-0	EPA 6010B	10.		100		730	100
	Potassium	9/7/7440	EPA 6010B	500.					
	Selenium	7782-49-2	EPA 200.8	1.		50	50	180	50
	Silver	7440-22-4	EPA 200.8	1.				180	180
	Sodium	7440-23-5	EPA 6010B	500.					
	Thallium	7440-28-0	EPA 200.8	1.		2	2	2.4	2
	Tin	7440-31-5	EPA 200.8	1.				22,000	22,000
	Vanadium	7440-62-2	EPA 6010B	10.				36	36
	Zinc	7440-66-6	EPA 200.8	5.		5,000 [13]		11,000	5,000
VOLATILE ORGANICS									
	1,1,1,2-Tetrachloroethane	630-20-6	EPA 8260B	0.5	0.128			0.43	0.43
	1,1,1-Trichloroethane	71-55-6	EPA 8260B	0.5		200	200	3200	200
	1,1,2,2-Tetrachloroethane	79-34-5	EPA 8260B	0.5	0.229	1		0.055	0.055
	1,1,2-Trichloroethane	79-00-5	EPA 8260B	0.5	0.140	5	5	0.20	0.20
	1,1-Dichloroethane	75-34-3	EPA 8260B	0.5		5		81 / 2[2]	2
	1,1-Dichloroethylene	75-35-4	EPA 8260B	0.5		6	7	340	6
	1,2,3-Trichlorobenzene	87-61-6	EPA 8260B	0.5					
	1,2,3-Trichloropropane	96-18-4	EPA 504.1	0.01	0.0097			0.0056	0.0056
	1,2,4-Trimethylbenzene	95-63-6	EPA 8260B	0.5				12	12
	1,2-Dibromo-3-chloropropane	96-12-8	EPA 504.1	0.01	0.0013	0.2	0.2	0.048 / 0.0016[2]	0.0016
	1,2-Dibromoethane	106-93-4	EPA 504.1	0.02	0.016	0.05		0.0056	0.0056
	1,2-Dichloroethane	107-06-2	EPA 8260B	0.5	0.245	0.5	5	0.12	0.12
	1,2-Dichloroethene,total	540-59-0	EPA 8260B	1				61	61
	1,2-Dichloropropane	78-87-5	EPA 8260B	0.5	0.152	5	5	0.16	0.16
	1,3,5-Trimethylbenzene	108-67-8	EPA 8260B	0.5				12	12
	2-Butanol	78-92-2	EPA 8260B	50.					
	2-Chloroethyl Vinyl Ether	110-75-8	EPA 8260B	10.					
	2-Chlorotoluene	95-49-8	EPA 8260B	0.5				120	120
	2-Hexanone	591-78-6	EPA 8260B	0.5					
	3,3,5-Trimethylcyclohexanone	873-94-9	EPA 8260B	2.					
	Allyl chloride	107-05-1	EPA 8260B	5.				10	10
	Benzene	71-43-2	EPA 8260B	0.5	0.124	1	5	0.35	0.35
	Bromobenzene	108-86-1	EPA 8260B	0.5				20	20
	Bromochloromethane	74-97-5	EPA 8260B	0.5					
	Bromodichloromethane	75-27-4	EPA 8260B	0.5	0.152	100 [4]	80 [4]	0.18	0.18
	Bromoform	75-25-2	EPA 8260B	0.5		100 [4]	80 [4]	8.5	8.5
	Carbon disulfide	75-15-0	EPA 8260B	1.				1000	1000
	Carbon tetrachloride	56-23-5	EPA 8260B	0.5	0.143	0.5	5	0.17	0.17
	Chlorobenzene	108-90-7	EPA 8260B	0.5		70	100	110	70
	Chloroethane	75-00-3	EPA 8260B	0.5				4.6	4.6
	Chloroform	67-66-3	EPA 8260B	0.5			80 [4]	0.17 / 0.53[2]	0.17
	Chloroprene	126-99-8	EPA 8260B	5.				14	14
	Chlorotrifluoroethene	79-38-9	EPA 8260B	0.5					
	cis-1,2-Dichloroethene	156-59-2	EPA 8260B	0.5		6	70	61	6
	cis-1,3-Dichloropropene	10061-01-5	EPA 8260B	0.5	0.159	0.5 [14]		0.40	0.40
	Dibromochloromethane	124-48-1	EPA 8260B	0.5	0.128		80 [4]	0.13	0.13
	Dichlorodifluoromethane	75-71-8	EPA 8260B	0.5				390	390
	Diisopropyl ether	108-20-3	EPA 8260B	0.5					
	Ethylbenzene	100-41-4	EPA 8260B	0.5		300	700	300	300
	Freon 112	76-12-0	EPA 8260B	0.5					
	Freon 113	76-13-1	EPA 8260B	0.5		1,200		59,000	1,200
	Isopropylbenzene	98-82-8	EPA 8260B	0.5				660	660
	m-Dichlorobenzene	541-73-1	EPA 8260B	0.5				180	180
	Methacrylonitrile	126-98-7	EPA 8260B	10.	2.12			1.0	1.0
	Methyl Acetate	79-20-9	EPA 8260B	5.				6,100	6,100
	Methyl bromide	74-83-9	EPA 8260B	0.5				8.7	8.7
	Methyl chloride	74-87-3	EPA 8260B	0.5				160	160
	Methyl iodide	74-88-4	EPA 8260B	2.					
	Methyl tert-butyl ether	1634-04-4	EPA 8260B	0.5		13		13 / 6.2 [2]	6.2
	Methylcyclopentane	96-37-7	EPA 8260B	0.5					
	Methylene bromide	74-95-3	EPA 8260B	0.5				61	61
	Methylene chloride	75-09-2	EPA 8260B	0.5		5	5	4.3	4.3
	n-Butylbenzene	104-51-8	EPA 8260B	0.5				240	240
	Nonanal	124-19-6	EPA 8260B	2.					
	n-Propylbenzene	103-65-1	EPA 8260B	0.5				240	240
	o-Dichlorobenzene	95-50-1	EPA 8260B	0.5		600	600	370	370
	o-Xylene	95-47-6	EPA 8260B	0.5		1750 [10]		210 [10]	210
	p-Dichlorobenzene	106-46-7	EPA 8260B	0.5		5	75	0.5	0.5
	p-Isopropyltoluene	99-87-6	EPA 8260B	0.5					
	Propanal	123-38-6	EPA 8260B	20.					
	Sec-Butylbenzene	135-98-8	EPA 8260B	0.5				240	240
	Styrene	100-42-5	EPA 8260B	0.5		100	100	1600	100

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	tert-Butylbenzene	98-06-6	EPA 8260B	0.5				240	240
	Tetrachloroethylene	127-18-4	EPA 8260B	0.5		5	5	0.1	0.1
	Tetrahydrofuran	109-99-9	EPA 8260B	20.	3.72			1.6	1.6
	Toluene	108-88-3	EPA 8260B	0.5		150	1000	720	150
	trans-1,2-Dichloroethene	156-60-5	EPA 8260B	0.5		10	100	120	10
	trans-1,3-Dichloropropene	10061-02-6	EPA 8260B	0.5	0.137	0.5 [14]		0.40 [14]	0.40
	trans-1,4-Dichloro-2-butene	110-57-6	EPA 8260B	5.	1.75			0.0012 [11]	0.0012 [11]
	Trichloroethylene	79-01-6	EPA 8260B	0.5	0.175	5	5	0.028	0.028
	Trichlorofluoromethane	75-69-4	EPA 8260B	0.5		150		1300	150
	Trifluoromethylbenzene	98-08-8	EPA 8260B	0.5					
	Vinyl acetate	108-05-4	EPA 8260B	20.				410	410
	Vinyl chloride	75-01-4	EPA 8260B	0.5	0.156	0.5	2	0.02	0.02
	Xylene (total)	1330-20-7	EPA 8260B	1.		1750	10000	210	210
	Thirty Major Peak TICs	NA	EPA 8260B						
POOR PURGING ORGANIC COMPOUNDS									
	Acetone	67-64-1	EPA 8015B, Direct Inject	500.				5500	5500
	Acetonitrile	75-05-8	EPA 8015B, Direct Inject	500.	110			100	100
	Acrolein	107-02-8	EPA 8015B, Direct Inject	500.	442			0.042	0.042
	Acrylonitrile	107-13-1	EPA 8015B, Direct Inject	500.	173			0.039	0.039
	Allyl alcohol	107-18-6	EPA 8015B, Direct Inject	500.	175			180	180
	1-Butanol	71-36-3	EPA 8015B, Direct Inject	500.				3600	3600
	t-Butanol	75-65-0	EPA 8015B, Direct Inject	500.					
	Crotonaldehyde	123-73-9	EPA 8015B, Direct Inject	500.				0.0059	0.0059
	Diethyl ether	60-29-7	EPA 8015B, Direct Inject	500.				1200	1200
	1,4-Dioxane	123-91-1	EPA 8015B, Direct Inject	500.	337			6.1	6.1
	Ethanol	64-17-5	EPA 8015B, Direct Inject	500.					
	Ethyl acetate	141-78-6	EPA 8015B, Direct Inject	500.				5500	5500
	Ethylene glycol	107-21-1	EPA 8015B, Direct Inject	TBD				73000	73000
	Ethylene oxide	75-21-8	EPA 8015B, Direct Inject	500.				0.024	0.024
	Isobutyl alcohol	78-83-1	EPA 8015B, Direct Inject	500.				1800	1800
	2-Propanol (Isopropyl)	67-63-0	EPA 8015B, Direct Inject	500.	200				
	Methanol	67-56-1	EPA 8015B, Direct Inject	500.				18000	18000
	Methyl ethyl ketone	78-93-3	EPA 8015B, Direct Inject	500.				7000	7000
	4-Methyl-2-pentanone	108-10-1	EPA 8015B, Direct Inject	500.	72			2000	2000
	N-Nitrosodi-n-butylamine	924-16-3	EPA 8015B, Direct Inject	500.	345			0.002	0.002
	Paraldehyde	123-63-7	EPA 8015B, Direct Inject	500.					
	2-Pentanone	107-87-9	EPA 8015B, Direct Inject	500.					
	2-Picoline	109-06-8	EPA 8015B, Direct Inject	500.					
	1-Propanol	71-23-8	EPA 8015B, Direct Inject	500.					
	Propionitrile	107-12-0	EPA 8015B, Direct Inject	500.					
	Pyridine	110-86-1	EPA 8015B, Direct Inject	500.	141			36	36
	o-Toludine	95-53-4	EPA 8015B, Direct Inject	500.	323			0.35	0.35
SEMI-VOLATILE COMPOUNDS									
	1,2,4,5-Tetrachlorobenzene	95-94-3	EPA 8270C	10.				11.0	11.0
	1,2,4-Trichlorobenzene	120-82-1	EPA 8270C	2.		5	70	7.2	5
	1,3,5-Trinitrobenzene	99-35-4	EPA 8270C	10.				1100	1100
	1,3-Dinitrobenzene	99-65-0	EPA 8270C	10.	0.19			3.6	3.6
	1,4-Naphthoquinone	130-15-4	EPA 8270C	20.					
	1-Naphthylamine	134-32-7	EPA 8270C	20.					
	2,3,4,6-Tetrachlorophenol	58-90-2	EPA 8270C	10.				1100	1100
	2,4,5-Trichlorophenol	95-95-4	EPA 8270C	5.				3600	3600
	2,4,6-Trichlorophenol	88-06-2	EPA 8270C	5.	0.533			0.96 [2]	0.96
	2,4-Dichlorophenol	120-83-2	EPA 8270C	2.				110	110
	2,4-Dimethylphenol	105-67-9	EPA 8270C	2.				730	730
	2,4-Dinitrophenol	51-28-5	EPA 8270C	10.				73	73
	2,4-Dinitrotoluene	121-14-2	EPA 8270C	2.				73	73
	2,6-Dichlorophenol	87-65-0	EPA 8270C	10.					
	2,6-Dinitrotoluene	606-20-2	EPA 8270C	2.				36	36
	2-Acetylaminofluorene	53-96-3	EPA 8270C	10.					
	2-Chloronaphthalene	91-58-7	EPA 8270C	2.				490	490
	2-Chlorophenol	95-57-8	EPA 8270C	2.				30	30
	2-Methylnaphthalene	91-57-6	EPA 8270C	2.					
	2-Naphthylamine	91-59-8	EPA 8270C	20.					
	3,3'-Dichlorobenzidine	91-94-1	EPA 8270C	10.	0.4			0.15	0.15
	3,3'-Dimethylbenzidine	119-93-7	EPA 8270C	20.	7.8			0.029	0.029
	3-Methylcholanthrene	56-49-5	EPA 8270C	10.					
	4,6-Dinitro-o-cresol	534-52-1	EPA 8270C	10.					
	4-Aminobiphenyl	92-67-1	EPA 8270C	20.					
	4-Bromophenyl phenyl ether	101-55-3	EPA 8270C	2.					
	4-Chlorophenyl phenyl ether	7005-72-3	EPA 8270C	2.					
	4-Nitroquinoline 1-oxide	56-57-5	EPA 8270C	20.					
	5-Nitro-o-toluidine	99-55-8	EPA 8270C	10.	0.351				
	7,12-Dimethylbenz(a) anthracene	57-97-6	EPA 8270C	10.					
	Acenaphthene	83-32-9	EPA 8270C	2.				370	370
	Acenaphthylene	208-96-8	EPA 8270C-SIM	0.1			0.2 [5]		0.2
	Acetophenone	98-86-2	EPA 8270C	10.					
	Acrolein, dimethyl acetal	6044-68-4	EPA 8270C	40.					
	alpha, alpha-Dimethyl-phenethylamine	122-09-8	EPA 8270C	20.				36	36
	Aniline	62-53-3	EPA 8270C	5.				12	12
	Anthracene	120-12-7	EPA 8270C	2.				1800	1800
	Aramite	140-57-8	EPA 8270C	10.	3.31			2.7	2.7
	Benzo(a)anthracene	56-55-3	EPA 8270C - SIM	0.1	0.0063		0.2 [5]	0.092	0.092
	Benzo(a)pyrene	50-32-8	EPA 8270C - SIM	0.1	0.0053	0.2	0.2	0.0092	0.0092
	Benzo(b)fluoranthene	205-99-2	EPA 8270C - SIM	0.1	0.0055		0.2 [5]	0.092	0.092
	Benzo(ghi)perylene	191-24-2	EPA 8270C - SIM	0.1			0.2 [5]		0.2

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	Benzo(k)fluoranthene	207-08-9	EPA 8270C-SIM	0.1	0.0165		0.2 [5]	0.92	0.2
	Benzoic Acid	65-85-0	EPA 8270C	10.				150,000	150,000
	Benzyl alcohol	100-51-6	EPA 8270C	2.				11,000	11,000
	Bis(2-chloro-1-methylethyl) ether	108-60-1	EPA 8270C	2.	0.28			0.27	0.27
	Bis(2-chloroethoxy)methane	111-91-1	EPA 8270C	2.					
	Bis(2-chloroethyl)ether	111-44-4	EPA 8270C - SIM	0.1	0.0156			0.01	0.01
	Bis(2-ethylhexyl) phthalate	117-81-7	EPA 8270C	5.	1.08	4	6	4.8	4
	Butyl benzyl phthalate	85-68-7	EPA 8270C	2.				7300	7300
	Chlorobenzilate	510-15-6	EPA 8270C	10.	0.32			0.25	0.25
	Chrysene	218-01-9	EPA 8270C - SIM	0.1			0.2 [5]	9.2 / 0.56[2]	0.2
	Diallate	2303-16-4	EPA 8270C	10.	0.854			1.1	1.1
	Dibenz(a,h)anthracene	53-70-3	EPA 8270C - SIM	0.1	0.0123		0.2 [5]	0.0092	0.0092
	Dibenzofuran	132-64-9	EPA 8270C	2.				12	12
	Diethyl phthalate	84-66-2	EPA 8270C	2.				29,000	29,000
	Dimethyl phthalate	131-11-3	EPA 8270C	2.				360,000	360,000
	Di-n-butyl phthalate	84-74-2	EPA 8270C	2.				3,600	3,600
	Di-n-octyl phthalate	117-84-0	EPA 8270C	2.				1500	1,500
	Diphenylamine	122-39-4	EPA 8270C	10.				910	910
	Ethyl methacrylate	97-63-2	EPA 8270C	10.				550	550
	Ethyl methanesulfonate	62-50-0	EPA 8270C	10.					
	Fluoranthene	206-44-0	EPA 8270C-SIM	0.1			0.2 [5]	1500	0.2
	Fluorene	86-73-7	EPA 8270C-SIM	0.1			0.2 [5]	240	0.2
	Hexachlorobutadiene	87-68-3	EPA 8270C	2.	0.226			0.86	0.86
	Hexachlorocyclopentadiene	77-47-4	EPA 8270C	2.		50	50	220	50
	Hexachloroethane	67-72-1	EPA 8270C	2.				4.8	4.8
	Hexachlorophene	70-30-4	EPA 8270C	200.	42.1			11.0	11.0
	Hexachloropropene	1888-71-7	EPA 8270C	20.					
	Indeno(1,2,3-cd)pyrene	193-39-5	EPA 8270C-SIM	0.1	0.0102			0.092	0.092
	Isodrin	465-73-6	EPA 8270C	10.					
	Isophorone	78-59-1	EPA 8270C	2.				71	71
	Isosafrole	120-58-1	EPA 8270C	10.					
	m-Cresol	108-39-4	EPA 8270C	2.				1800	1800
	Methapyrilene	91-79-2	EPA 8270C	10.					
	Methyl methacrylate	80-62-6	EPA 8270C	40.				1400	1400
	Methyl methanesulfonate	66-27-3	EPA 8270C	10.					
	m-Nitroaniline	99-09-2	EPA 8270C	2.				3.2	3.2
	Naphthalene	91-20-3	EPA 8270C SIM	0.1			0.2 [5]	6.2 / 0.093[2]	0.093
	Nitrobenzene	98-95-3	EPA 8270C	2.				3.4	3.4
	N-Nitrosodiethylamine	55-18-5	EPA 8270C SIM	0.1	0.0227			0.00045	0.00045
	N-Nitrosodimethylamine	62-75-9	EPA 8270C SIM	0.01	0.0022			0.0013	0.0013
	N-Nitrosodiphenylamine	86-30-6	EPA 8270C	2.				14	14
	N-Nitrosodipropylamine	621-64-7	EPA 8270C SIM	0.1	0.0241			0.0096	0.0096
	N-Nitrosomethylethylamine	10595-95-6	EPA 8270C SIM	0.1	0.0224			0.0031	0.0031
	N-Nitrosomorpholine	59-89-2	EPA 8270C	10.					
	N-Nitrosopiperidine	100-75-4	EPA 8270C	10.					
	N-Nitrosopyrrolidine	930-55-2	EPA 8270C SIM	0.1	0.0296			0.032	0.032
	o-Cresol	95-48-7	EPA 8270C	2.				1800	1800
	o-Nitroaniline	88-74-4	EPA 8270C	2.	0.272			110	110
	o-Nitrophenol	88-75-5	EPA 8270C	2.					
	p-(Dimethylamino) azobenzene	60-11-7	EPA 8270C	10.					
	p-Chloraniline	106-47-8	EPA 8270C	2.				150	150
	p-Chloro-m-cresol	59-50-7	EPA 8270C	10.					
	p-Cresol	106-44-5	EPA 8270C	2.				180	180
	Pentachlorobenzene	608-93-5	EPA 8270C	10.				29	29
	Pentachloroethane	76-01-7	EPA 8270C	20.					
	Pentachlorophenol	87-86-5	EPA 8270C	10.	0.473	1	1	0.56	0.56
	Phenacetin	62-44-2	EPA 8270C	10.					
	Phenanthrene	85-01-8	EPA 8270C	2.					
	Phenol	108-95-2	EPA 8270C	2.				11,000	11,000
	p-Nitroaniline	100-01-6	EPA 8270C	5.				3.2	3.2
	p-Nitrophenol	100-02-7	EPA 8270C	2.					
	p-Phenylenediamine	106-50-3	EPA 8270C	20.				6,900	6,900
	Pronamide	23950-58-5	EPA 8270C	10.				2,700	2,700
	Pyrene	129-00-0	EPA 8270C-SIM	0.1			0.2 [5]	180	0.2
	Safrole	94-59-7	EPA 8270C	10.					
	Thirty Major Peak TICs	NA	EPA 8270C						
ORGANOCHLORINE PESTICIDES/PCBS									
	4,4'-DDD	72-54-8	EPA 8081A	0.005				0.28	0.28
	4,4'-DDE	72-55-9	EPA 8081A	0.005				0.2	0.2
	4,4'-DDT	50-29-3	EPA 8081A	0.005				0.2	0.2
	Aldrin	309-00-2	EPA 8081A	0.005	0.0015			0.004	0.004
	alpha-BHC	319-84-6	EPA 8081A	0.005				0.011	0.011
	beta-BHC	319-85-7	EPA 8081A	0.005				0.037	0.037
	Chlordane, alpha	5103-71-9	EPA 8081A	0.005	0.0019	0.1[15]	2 [15]	0.19 [15]	0.1
	Chlordane, gamma	5103-74-2	EPA 8081A	0.005	0.0014	0.1[15]	2 [15]	0.19 [15]	0.1
	delta-BHC	319-86-8	EPA 8081A	0.005				0.037	0.037
	Dieldrin	60-57-1	EPA 8081A	0.005	0.0014			0.0042	0.0042
	Endosulfan I	959-98-8	EPA 8081A	0.005				220 [16]	220 [16]
	Endosulfan II	33213-65-9	EPA 8081A	0.005				220 [16]	220 [16]
	Endosulfan sulfate	1031-07-8	EPA 8081A	0.005					
	Endrin	72-20-8	EPA 8081A	0.005		2	2	11	2
	Endrin aldehyde	7421-93-4	EPA 8081A	0.01					
	Endrin ketone	5394-70-5	EPA 8081A	0.005					
	gamma-BHC; Lindane	58-89-9	EPA 8081A	0.005		0.2	0.2	0.052	0.052
	Heptachlor	76-44-8	EPA 8081A	0.005		0.01	0.4	0.015	0.01
	Heptachlor epoxide	1024-57-3	EPA 8081A	0.005		0.01	0.2	0.0074	0.0074
	Hexachlorobenzene	118-74-1	EPA 8081A	0.05	0.0086	1	1	0.042	0.042

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Casmalia Resources Superfund Site
Casmalia, California

Group	Compound	CAS RN	Analytical Method	Practical Quantitation Limit[9] (ug/L)	MDL[9] (ug/L)	CAL MCL[3] (ug/L)	Fed MCL[3] (ug/L)	PRG[1] (ug/L)	Lowest Human Health Risk Screening Level (ug/L)
	Kepone	143-50-0	EPA 8081A	0.01	0.005			0.008	0.008
	Methoxychlor	72-43-5	EPA 8081A	0.005		30	40	180	30
	Mirex	2385-85-5	EPA 8081A	0.01				0.037	0.037
	PCNB (pentachloronitrobenzene)	82-68-8	EPA 8081A	0.05	0.0056			0.26	0.26
	Toxaphene	8001-35-2	EPA 8081A	2.	1.0	3	3	0.06	0.06
	PCB-Aroclor 1016	12674-11-2	EPA 8082	0.2	0.1	0.5 [6]	0.5 [6]	0.096	0.096
	PCB-Aroclor 1221	11104-28-2	EPA 8082	0.2	0.1	0.5 [6]	0.5 [6]	0.034	0.034
	PCB-Aroclor 1232	11141-16-5	EPA 8082	0.2	0.017	0.5 [6]	0.5 [6]	0.034	0.034
	PCB-Aroclor 1242	53469-21-9	EPA 8082	0.2	0.032	0.5 [6]	0.5 [6]	0.034	0.034
	PCB-Aroclor 1248	12672-29-6	EPA 8082	0.2	0.022	0.5 [6]	0.5 [6]	0.034	0.034
	PCB-Aroclor 1254	11097-69-1	EPA 8082	0.2	0.019	0.5 [6]	0.5 [6]	0.034	0.034
	PCB-Aroclor 1260	11096-82-5	EPA 8082	0.2	0.019	0.5 [6]	0.5 [6]	0.034	0.034
ORGANOPHOSPORUS PESTICIDES									
	Chlorpyrifos	2921-88-2	EPA 8141A	0.2	0.0354			110	110
	Diazinon	333-41-5	EPA 8141A	0.2	0.0262			33	33
	Dimethoate	60-51-5	EPA 8141A	0.5				7.3	7.3
	Disulfoton	298-04-4	EPA 8141A	0.2				1.5	1.5
	EPN (Phosphothioic acid)	2104-64-5	EPA 8141A	0.2	0.0591			0.360	0.360
	Famphur	52-85-7	EPA 8141A	0.2					
	Malathion	121-75-5	EPA 8141A	0.2	0.0244			730	730
	Methyl parathion	298-00-0	EPA 8141A	0.2				9.1	9.1
	O,O,O-Triethyl phosophorothioate	126-68-1	EPA 8141A	0.2					
	O,O-Diethyl O-2-pyrazinyl phosphorothioate (Thionazin)	297-97-2	EPA 8141A	0.2					
	Parathion	56-38-2	EPA 8141A	0.2				220	220
	Phorate	298-02-2	EPA 8141A	0.2				7.3	7.3
	Phosmet	732-11-6	EPA 8141A	0.2				730	730
	Tetraethyl dithiopyro-phosophate (Sulfotepp)	3689-24-5	EPA 8141A	0.2				18	18
CHLORINATED HERBICIDES									
	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	EPA 8151A	0.2		7	7	36	7
	2,4-Dichlorophenoxyacetic acid; (2,4-D)	94-75-7	EPA 8151A	0.4		70	70	360	70
	2,4-Dichlorophenoxyacetic acid butyl ester; (2,4-DB)	94-80-4	EPA 8151A	3.				290	290
	2,4,5-T	93-76-5	EPA 8151A	0.09				360	360
	2,4,5-TP;Silvex	93-72-1	EPA 8151A	0.07		50	50	290	50
	Dalapon	75-99-0	EPA 8151A	10.		200	200	1100	200
	Dicamba	1918-00-9	EPA 8151A	0.08				1,100	1,100
	Dichloroprop	120-36-5	EPA 8151A	0.5					
	MCPA	94-74-6	EPA 8151A	10.				18	18
	MCPP	93-65-2	EPA 8151A	10.				36	36
	Picloram	1918-02-1	EPA 8151A	0.5		500	500	2600	500
DIOXINS AND FURANS									
	2378-TCDD	1746-01-6	EPA 8290	1.00E-05	3.30E-06	3.00E-05	3.00E-05	4.5E-07	4.50E-07
	2378-TCDF	51207-31-9	EPA 8290	1.00E-05	6.30E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	12378-PeCDF	57117-41-6	EPA 8290	5.00E-05	4.70E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	12378-PeCDD	40321-76-4	EPA 8290	5.00E-05	7.80E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	23478-PeCDF	57117-31-4	EPA 8290	5.00E-05	5.80E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	123478-HxCDF	70648-26-9	EPA 8290	5.00E-05	1.82E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	123678-HxCDF	57117-44-9	EPA 8290	5.00E-05	9.30E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	123478-HxCDD	39227-28-6	EPA 8290	5.00E-05	6.90E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	123678-HxCDD	57653-85-7	EPA 8290	5.00E-05	8.60E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	123789-HxCDD	19408-74-3	EPA 8290	5.00E-05	1.50E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	234678-HxCDF	60851-34-5	EPA 8290	5.00E-05	2.18E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	123789-HxCDF	72918-21-9	EPA 8290	5.00E-05	3.19E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	1234678-HpCDF	67562-39-4	EPA 8290	5.00E-05	1.86E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	1234678-HpCDD	35822-46-9	EPA 8290	5.00E-05	8.20E-06	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	1234789-HpCDF	55673-89-7	EPA 8290	5.00E-05	1.32E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	OCDD	3268-87-9	EPA 8290	1.00E-04	1.86E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	OCDF	39001-02-0	EPA 8290	1.00E-04	1.81E-05	3.00E-05	3.00E-05	4.5E-07 [7]	4.50E-07
	Total TCDD	41903-57-5	EPA 8290						
	Total TCDF	55722-27-5	EPA 8290						
	Total PeCDD	36088-22-9	EPA 8290						
	Total PeCDF	30402-15-4	EPA 8290						
	Total HxCDD	34465-4608	EPA 8290						
	Total HxCDF	55684-94-1	EPA 8290						
	Total HpCDD	37871-00-4	EPA 8290						
	Total HpCDF	38998-75-3	EPA 8290						
TPH, BTEX, AND MTBE									
	TPH as Gasoline	N/A	EPA 8015B (purgeable)	50.					
	Benzene	71-43-2	EPA 8021B	0.3		1	5	0.35	0.35
	Toluene	108-88-3	EPA 8021B	0.3		150	1000	720	150
	Ethylbenzene	100-41-4	EPA 8021B	0.3		300	700	300	300
	Xylene (total)	1330-20-7	EPA 8021B	0.6		1,750	10,000	210	210
	Methyl tert-butyl ether (MTBE)	1634-04-4	EPA 8021B[2]	1.		13	5	6.2 [2]	5
	TPH as Diesel/Motor Oil	N/A	EPA 8015B (extractable)	200.					
PARACHLOROBENZENE SULFONIC ACID and PERCHLORATE									
	Parachlorobenzene sulfonic acid	98-66-8	LC-MS/MS	1,000.					
	Perchlorate	14797-73-0	EPA 314.0	4.	0.45			3.6	3.6
HYDRAZINE									
	Hydrazine	302-01-2	EPA 8315	1.	0.208			0.022	0.022

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Group	Compound	CAS RN	Analytical Method	Practical Quantitation Limit[9] (ug/L)	MDL[9] (ug/L)	CAL MCL[3] (ug/L)	Fed MCL[3] (ug/L)	PRG[1] (ug/L)	Lowest Human Health Risk Screening Level (ug/L)
NITROAROMATICS AND NITROSAMINES									
	1,3-Dinitrobenzene	99-65-0	EPA 8330	5.	0.4			3.6	3.6
	1,3,5-Trinitrobenzene	99-35-4	EPA 8330	5.				1100	1100
	2-amino-Dinitrotoluene	355-72-78-2	EPA 8330	5.					
	2,4-Dinitrotoluene	121-14-2	EPA 8330	5.				73	73
	2,6-Dinitrotoluene	606-20-2	EPA 8330	5.				36	36
	2-Nitrotoluene	88-72-2	EPA 8330	5.				0.049	0.049
	2,4,6-Trinitrotoluene	118-96-7	EPA 8330	5.	3.87			2.2	2.2
	3-Nitrotoluene	99-08-1	EPA 8330	5.				120	120
	4-amino-Dinitrotoluene	1946-51-0	EPA 8330	5.					
	HMX	2691-41-0	EPA 8330	5.				1800	1800
	RDX	121-82-4	EPA 8330	5.	3.19			0.61	0.61
	Tetryl	479-45-8	EPA 8330	5.					
GENERAL MINERALS, pH, SULFIDE, BOD, COD, AND TOC									
	Bicarbonate Alkalinity as $CaCO_3$		SM 2320	2,500.					
	Carbonate Alkalinity as $CaCO_3$		SM 2320	2,500.					
	Hydroxide Alkalinity as $CaCO_3$		SM 2320	2,500.					
	pH		EPA 150.1						
	Bromide		EPA 300.0	100.					
	Chloride		EPA 300.0	500.	48	250 [13]			250
	Fluoride		EPA 300.0	50.		2000	4,000	2,200	2,200
	Nitrate		EPA 300.0	440.		45,000	10,000	10,000	10,000
	Sulfate		EPA 300.0	1,000.	96	250 [13]			250
	Total Dissolved Solids		EPA 160.1	10,000.	100	500 [13]			500
	Total Sulfide		EPA 9030B	100.			250 **		250
	Biological Oxygen Demand (BOD)		EPA 405.1	1,000.					
	Chemical Oxygen Demand (COD)		EPA 410.4	25,000.					
	Total Organic Carbon (TOC)		EPA 415.1	1,000.					

TBD= To be determined by MDL study, no current calibration standard.
PQL = Practical Quantitation Limit
MCL = Maximum Contaminant Limit
PRG = Preliminary Remediation Goal
TIC = Tenatively Identified Compound
n/a = not available, no PQL, MDL, or screening level are available for the analyte.
(1) EPA Region 9 Preliminary Remediation Goals for Tap Water; October 2002; http://www.epa.gov/region09/waste/sfund/prg/files/02table.pdf
(2) Cal Modified PRG
(3) Source of federal MCLs: http://www.epa.gov/safewater/mcl.html
Source of California MCLs: http://www.dhs.cahwhet.gov/ps/ddwem/chemicals/MCL/regextract.pdf
(4) The MCL for this compound is based on trihalomethane.
(5) The Federal MCL for PAH compounds is based on benzo(a)pyrene (PAHs) MCL.
(6) Individual PCB aroclor mixture MCL based on PCBs MCL.
(7) The PRG for dioxin compound is based on 2,3,7,8-TCDD Toxicity Equivalent.
(8) From Table 3-1 of the Work Plan.
(9) PQL and MDL provided by BC Laboratories, Inc. MDL provided if PQL is greater than lowest screening level.
(10) Based on total xylenes.
(11) PRG for total 1,4-dichloro-2-butene.
(12) Based on Hexavalent chromium
(13) Secondary CA MCL
(14) Based on total 1,3-Dichloropropene
(15) Based on total chlordane
(16) Based on total endosulfan
Note: PQLs cited assume no significant matrix interference.
Based on Expanded RI Monitoring Event

Checked: NM

Approved: WC