

CAS	Chemical	Type of Observation	RFDOC	RFDOCREF	RFIC	RFICREF	SFO	SFOREF	IUR	IURREF	MCL
000000-00-7	Nickel Refinery Dust	Spring 2009							0.24	IRIS	
	Nickel Refinery Dust	Fall 2009	0.05	CALEPA	0.00005	CALEPA			0.24	IRIS	
	.....	Change Effect		XXXXXX....		XXXXXX....	E .....		E .....		E
000053-70-3	Dibenz[a,h]anthracene	Spring 2009					7.3	WHO/TEF	1.2	CALEPA	
	Dibenz[a,h]anthracene	Fall 2009					7.3	SURROGATE	1.2	CALEPA	
	.....	Change Effect	E .....		E .....		E	XXXXXXXXXX.	E .....		E
000056-55-3	Benz[a]anthracene	Spring 2009					0.73	WHO/TEF	0.11	CALEPA	
	Benz[a]anthracene	Fall 2009					0.73	SURROGATE	0.11	CALEPA	
	.....	Change Effect	E .....		E .....		E	XXXXXXXXXX.	E .....		E
000057-14-7	Dimethylhydrazine, 1,1-	Fall 2009	0.0001	SCREEN	2E-06	SCREEN					
000059-50-7	Cresol, p-chloro-m-	Fall 2009	0.1	SCREEN							
000062-75-9	Nitrosodimethylamine, N-	Spring 2009	0.000008	PPRTV			51	IRIS	14	IRIS	
	Nitrosodimethylamine, N-	Fall 2009	0.000008	PPRTV	0.00004	SCREEN	51	IRIS	14	IRIS	
	.....	Change Effect	E .....			XXXXXX....	E .....		E .....		E
000074-11-3	Chlorobenzoic Acid, p-	Fall 2009	0.03	SCREEN							
000074-31-7	N,N'-Diphenyl-1,4-benzenediamine	Spring 2009	0.0003	PPRTV							
	N,N'-Diphenyl-1,4-benzenediamine	Fall 2009	0.0003	SCREEN							
	.....	Change Effect	E XX.XXX....		E .....		E .....		E .....		E
000074-95-3	Dibromomethane (Methylene Bromide)	Spring 2009	0.01	HEAST							
	Dibromomethane (Methylene Bromide)	Fall 2009	0.01	HEAST	0.004	SCREEN					
	.....	Change Effect	E .....			XXXXXX....	E .....		E .....		E
000079-01-6	Trichloroethylene	Spring 2009					0.013	CALEPA	0.002	CALEPA	5
	Trichloroethylene	Fall 2009					0.0059	CALEPA	0.002	CALEPA	5
	.....	Change Effect	E .....		E .....		-0.0071	.....	E .....		E
000080-07-9	Sulfonylbis(4-chlorobenzene), 1,1'-	Spring 2009	0.005	PPRTV							
	Sulfonylbis(4-chlorobenzene), 1,1'-	Fall 2009	0.0008	PPRTV							
	.....	Change Effect	-0.0042	.....	E .....		E .....		E .....		E
000087-61-6	Trichlorobenzene, 1,2,3-	Fall 2009	0.0008	SCREEN							
000087-86-5	Pentachlorophenol	Spring 2009	0.03	IRIS			0.12	IRIS	0.005	CALEPA	1
	Pentachlorophenol	Fall 2009	0.03	IRIS			0.12	IRIS	0.005	CALEPA	1
	.....	Change Effect	E .....		E .....		E .....		5E-04	.....	E
000088-73-3	Chloronitrobenzene, o-	Spring 2009	0.001	PPRTV	0.00007	PPRTV	0.0097	PPRTV			
	Chloronitrobenzene, o-	Fall 2009	0.003	PPRTV	0.00001	SCREEN	0.3	PPRTV			
	.....	Change Effect	0.002	.....	-0.00006	XX.XXX....	0.2903	.....	E .....		E
000088-74-4	Nitroaniline, 2-	Spring 2009	0.003	PPRTV	0.0001	PPRTV					
	Nitroaniline, 2-	Fall 2009	0.01	SCREEN	0.00005	SCREEN					
	.....	Change Effect	0.007	XX.XXX....	-0.00005	XX.XXX....	E .....		E .....		E
000090-98-2	Dichlorobenzophenone, 4,4'-	Fall 2009	0.009	SCREEN							
000095-47-6	Xylene, o-	Spring 2009	2	HEAST		0.7	CALEPA				
	Xylene, o-	Fall 2009				0.7	CALEPA				
	.....	Change Effect		XXXXX....	E .....		E .....		E .....		E
000095-48-7	Cresol, o-	Spring 2009	0.05	IRIS							
	Cresol, o-	Fall 2009	0.05	IRIS	0.6	CALEPA					
	.....	Change Effect	E .....			XXXXXX....	E .....		E .....		E
000096-18-4	Trichloropropane, 1,2,3-	Spring 2009	0.006	IRIS			7	HEAST			
	Trichloropropane, 1,2,3-	Fall 2009	0.004	IRIS	0.0003	IRIS	30	IRIS			
	.....	Change Effect	-0.002	.....		XXXX....	23	XXX.X....	E .....		E
000096-19-5	Trichloropropene, 1,2,3-	Spring 2009	0.01	PPRTV	0.001	PPRTV					
	Trichloropropene, 1,2,3-	Fall 2009	0.003	SCREEN	0.0003	PPRTV					
	.....	Change Effect	-0.007	XX.XXX....	-0.0007	.....	E .....		E .....		E
000096-91-3	Picramic Acid (2-Amino-4,6-dinitrophenol)	Spring 2009	0.002	PPRTV							
	Picramic Acid (2-Amino-4,6-dinitrophenol)	Fall 2009	0.0001	SCREEN							
	.....	Change Effect	-0.0019	XX.XXX....	E .....		E .....		E .....		E
000099-08-1	Nitrotoluene, m-	Spring 2009	0.02	PPRTV							
	Nitrotoluene, m-	Fall 2009	0.0001	SCREEN							
	.....	Change Effect	-0.0199	XX.XXX....	E .....		E .....		E .....		E

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000100-51-6	Benzyl Alcohol	Spring 2009	0.5	PPRTV							
	Benzyl Alcohol	Fall 2009	0.1	PPRTV							
		Change Effect	-0.4	.....	E	.....	E	.....	E	.....	E
000103-65-1	Propyl benzene	Fall 2009	0.1	SCREEN	1	SCREEN					
000106-44-5	Cresol, p-	Spring 2009	0.005	HEAST							
	Cresol, p-	Fall 2009	0.005	HEAST	0.6	CALEPA					
		Change Effect	E	.....		XXXXXX.....	E	.....	E	.....	E
000107-04-0	Bromo-2-chloroethane, 1-	Fall 2009					2	SCREEN	0.6	SCREEN	
000107-18-6	Allyl Alcohol	Spring 2009	0.005	IRIS	0.0003	PPRTV					
	Allyl Alcohol	Fall 2009	0.005	IRIS							
		Change Effect	E	.....		XXXXX.....	E	.....	E	.....	E
000108-38-3	Xylene, m-	Spring 2009	2	HEAST	0.7	CALEPA					
	Xylene, m-	Fall 2009			0.7	CALEPA					
		Change Effect		XXXXX.....	E	.....	E	.....	E	.....	E
000108-39-4	Cresol, m-	Spring 2009	0.05	IRIS							
	Cresol, m-	Fall 2009	0.05	IRIS	0.6	CALEPA					
		Change Effect	E	.....		XXXXXX.....	E	.....	E	.....	E
000108-67-8	Trimethylbenzene, 1,3,5-	Spring 2009	0.05	PPRTV	0.006	PPRTV					
	Trimethylbenzene, 1,3,5-	Fall 2009	0.01	SCREEN							
		Change Effect	-0.04	XX.XXX.....		XXXXX.....	E	.....	E	.....	E
000108-86-1	Bromobenzene	Spring 2009	0.02	PPRTV	0.01	PPRTV					
	Bromobenzene	Fall 2009	0.008	IRIS	0.06	IRIS					
		Change Effect	-0.012	XXXXX.....	0.05	XXXXX.....	E	.....	E	.....	E
000111-48-8	Thiodiglycol	Fall 2009	0.07	SCREEN							
000111-90-0	Diethylene Glycol Monoethyl Ether	Spring 2009	0.06	PPRTV	0.003	PPRTV					
	Diethylene Glycol Monoethyl Ether	Fall 2009	0.06	PPRTV	0.0003	PPRTV					
		Change Effect	E	.....	-0.0027	.....	E	.....	E	.....	E
000112-34-5	Diethylene Glycol Monobutyl Ether	Spring 2009	0.01	PPRTV	0.02	PPRTV					
	Diethylene Glycol Monobutyl Ether	Fall 2009	0.03	PPRTV	0.0001	PPRTV					
		Change Effect	0.02	.....	-0.0199	.....	E	.....	E	.....	E
000115-96-8	Tris(2-chloroethyl)phosphate	Spring 2009	0.3	PPRTV			0.014	PPRTV			
	Tris(2-chloroethyl)phosphate	Fall 2009	0.007	PPRTV			0.02	PPRTV			
		Change Effect	-0.293	.....	E	.....	0.006	.....	E	.....	E
000120-82-1	Trichlorobenzene, 1,2,4-	Spring 2009	0.01	IRIS	0.004	PPRTV	0.0036	CALEPA			70
	Trichlorobenzene, 1,2,4-	Fall 2009	0.01	IRIS	0.002	PPRTV	0.029	PPRTV			70
		Change Effect	E	.....	-0.002	.....	0.0254	XXXXXX.....	E	.....	E
000123-31-9	Hydroquinone	Spring 2009	0.04	PPRTV			0.056	PPRTV			
	Hydroquinone	Fall 2009	0.04	PPRTV			0.06	PPRTV			
		Change Effect	E	.....	E	.....	0.004	.....	E	.....	E
000127-63-9	Diphenyl Sulfone	Spring 2009	0.003	PPRTV							
	Diphenyl Sulfone	Fall 2009	0.0008	SCREEN							
		Change Effect	-0.0022	XX.XXX.....	E	.....	E	.....	E	.....	E
000132-64-9	Dibenzofuran	Fall 2009	0.001	SCREEN							
000143-50-0	Chlordecone (Kepone)	Spring 2009	0.0005	ATSDR			16	CALEPA	4.6	CALEPA	
	Chlordecone (Kepone)	Fall 2009	0.0003	IRIS			10	IRIS	4.6	CALEPA	
		Change Effect	-0.0002	XXXXX.....	E	.....	-6	XXXXXX.....	E	.....	E
000193-39-5	Indeno[1,2,3-cd]pyrene	Spring 2009					0.73	WHO/TEF	0.11	CALEPA	
	Indeno[1,2,3-cd]pyrene	Fall 2009					0.73	SURROGATE	0.11	CALEPA	
		Change Effect	E	.....	E	.....	E	XXXXXXXXXX.	E	.....	E
000205-99-2	Benzo[b]fluoranthene	Spring 2009					0.73	WHO/TEF	0.11	CALEPA	
	Benzo[b]fluoranthene	Fall 2009					0.73	SURROGATE	0.11	CALEPA	
		Change Effect	E	.....	E	.....	E	XXXXXXXXXX.	E	.....	E
000207-08-9	Benzo[k]fluoranthene	Spring 2009					0.073	WHO/TEF	0.11	CALEPA	
	Benzo[k]fluoranthene	Fall 2009					0.073	SURROGATE	0.11	CALEPA	
		Change Effect	E	.....	E	.....	E	XXXXXXXXXX.	E	.....	E
000218-01-9	Chrysene	Spring 2009					0.0073	WHO/TEF	0.011	CALEPA	

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	Chrysene	Fall 2009					0.0073	SURROGATE	0.011	CALEPA	
	.....	Change Effect	E	.....	E	.....	E	XXXXXXXXXX.	E	.....	E
000302-01-2	Hydrazine	Spring 2009			0.0002	CALEPA		3 IRIS		4.9 IRIS	
	Hydrazine	Fall 2009			0.00003	PPRTV		3 IRIS		4.9 IRIS	
	.....	Change Effect	E	.....	-0.00017	XXXXXX....	E	.....	E	.....	E
000563-68-8	Thallium Acetate	Spring 2009	0.00009	IRIS							
000591-78-6	Hexanone, 2-	Fall 2009	0.005	IRIS	0.03	IRIS					
000630-10-4	Selenourea	Spring 2009	0.005	HEAST							
000993-13-5	Methyl Phosphonic Acid	Spring 2009	0.02	PPRTV							
	Methyl Phosphonic Acid	Fall 2009	0.06	SCREEN							
	.....	Change Effect	0.04	XX.XXX....	E	.....	E	.....	E	.....	E
001306-38-3	Ceric oxide	Fall 2009			0.0009	IRIS					
001333-82-0	Chromium VI (chromic acid mists)	Spring 2009	0.003	IRIS	8E-06	IRIS			84	IRIS	
	Chromium VI (chromic acid mists)	Fall 2009	0.001	ATSDR	8E-06	IRIS			84	IRIS	
	.....	Change Effect	-0.002	XXXXXX....	E	.....	E	.....	E	.....	E
001336-36-3	Polychlorinated Biphenyls (lowest risk)	Spring 2009					0.07	IRIS	0.57	CALEPA	0.5
	Polychlorinated Biphenyls (lowest risk)	Fall 2009					0.07	IRIS			0.5
	.....	Change Effect	E	.....	E	.....	E	.....	XXXXXX....		E
006533-73-9	Thallium Carbonate	Spring 2009	0.00008	IRIS							
007440-28-0	Thallium (Soluble Salts)	Spring 2009	6.48E-05	SURROGATE							2
	Thallium (Soluble Salts)	Fall 2009									2
	.....	Change Effect		XXXXXXXXXX.	E	.....	E	.....	E	.....	E
007440-43-9	Cadmium (Diet)	Spring 2009	0.001	IRIS	0.00001	ATSDR			4.2	CALEPA	
	Cadmium (Diet)	Fall 2009	0.001	IRIS	0.00001	ATSDR			1.8	IRIS	
	.....	Change Effect	E	.....	E	.....	E	.....	-2.4	XXXXXX....	E
007440-50-8	Copper	Spring 2009	0.04	HEAST							1300
	Copper	Fall 2009	1.3	HEAST							1300
	.....	Change Effect	1.26	.....	E	.....	E	.....	E	.....	E
007440-62-2	Vanadium, Metallic	Spring 2009	0.007	HEAST							
	Vanadium, Metallic	Fall 2009	0.00007	PPRTV							
	.....	Change Effect	-0.00693	XXXXXX....	E	.....	E	.....	E	.....	E
007446-18-6	Thallium Sulfate	Spring 2009	0.00008	IRIS							
007446-34-6	Selenium Sulfide	Fall 2009	0.005	CALEPA	0.02	CALEPA					
007487-94-7	Mercuric Chloride	Spring 2009	0.0003	IRIS							
	Mercuric Chloride	Fall 2009	0.0003	IRIS	0.00003	CALEPA					
	.....	Change Effect	E	.....	XXXXXX....	E	.....	E	.....	E	E
007637-07-2	Boron Trifluoride	Spring 2009			0.0007	HEAST					
	Boron Trifluoride	Fall 2009	0.04	CALEPA	0.013	CALEPA					
	.....	Change Effect	XXXXXX....	0.0123	XXXXXX....	E	.....	E	.....	E	E
007681-49-4	Sodium Fluoride	Spring 2009	0.05	ATSDR							
	Sodium Fluoride	Fall 2009	0.05	ATSDR	0.013	CALEPA					
	.....	Change Effect	E	.....	XXXXXX....	E	.....	E	.....	E	E
007738-94-5	Chromium(VI), Aerosol Mists	Spring 2009	0.02	CALEPA	5E-06	ATSDR					
	Chromium(VI), Aerosol Mists	Fall 2009			5E-06	ATSDR					
	.....	Change Effect	XXXXXX....	E	.....	E	.....	E	.....	E	E
007782-41-4	Fluorine (Soluble Fluoride)	Spring 2009	0.06	IRIS							4000
	Fluorine (Soluble Fluoride)	Fall 2009	0.06	IRIS	0.013	CALEPA					4000
	.....	Change Effect	E	.....	XXXXXX....	E	.....	E	.....	E	E
007784-42-1	Arsine	Spring 2009			0.00005	IRIS					
	Arsine	Fall 2009	3.5E-06	CALEPA	0.00005	IRIS					
	.....	Change Effect	XXXXXX....	E	.....	E	.....	E	.....	E	E
007791-12-0	Thallium Chloride	Spring 2009	0.00008	IRIS							
008012-95-1	Mineral oils	Fall 2009	3	PPRTV							
010102-45-1	Thallium (I) Nitrate	Spring 2009	0.00009	IRIS							
012035-72-2	Nickel Subsulfide	Spring 2009					1.7	CALEPA	0.48	IRIS	
	Nickel Subsulfide	Fall 2009	0.05	CALEPA	0.00005	CALEPA	1.7	CALEPA	0.48	IRIS	

CAS	Chemical	Type of Observation	RFOC	RFOCREF	RFCIC	RFCICREF	SFO	SFOREF	IUR	IURREF	MCL
		Change Effect		XXXXXX...		XXXXXX...	E .....		E .....		E
013463-39-3	Nickel Carbonyl	Fall 2009	0.05	CALEPA	0.00005	CALEPA					
014797-73-0	Perchlorate and Perchlorate Salts	Spring 2009	0.0007	IRIS							15
	Perchlorate and Perchlorate Salts	Fall 2009									15
		Change Effect		XXXX.....		E .....	E .....		E .....		E
016984-48-8	Fluoride	Fall 2009	0.04	CALEPA	0.013	CALEPA					
018540-29-9	Chromium VI (particulates)	Spring 2009	0.003	IRIS	0.0001	IRIS			84	IRIS	
	Chromium VI (particulates)	Fall 2009	0.003	IRIS	0.0001	IRIS	0.5	NJEPA	84	IRIS	
		Change Effect	E .....		E .....			XXXXX.....	E .....		E
032774-16-6	Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Spring 2009					13	CALEPA	3.8	CALEPA	
	Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	Fall 2009					1300	CALEPA	380	CALEPA	
		Change Effect	E .....		E .....		1287	.....	376.2	.....	E
038380-08-4	Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	Spring 2009					650	CALEPA	19	CALEPA	
	Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	Fall 2009					65	CALEPA	19	CALEPA	
		Change Effect	E .....		E .....		-585	.....	E .....		E
052663-72-6	Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	Spring 2009					13	CALEPA	3.8	CALEPA	
	Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	Fall 2009					1.3	CALEPA	0.38	CALEPA	
		Change Effect	E .....		E .....		-11.7	.....	-3.42	.....	E
069782-90-7	Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	Spring 2009					650	CALEPA	19	CALEPA	
	Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	Fall 2009					65	CALEPA	19	CALEPA	
		Change Effect	E .....		E .....		-585	.....	E .....		E