

CAS	Chemical	Type of Observation	CHEMTYPE	VOC	MUT_MODE	RFDLOC	RFDLOCREF	RFCIC	RFCICREF	SFO	SFOREF	IUR	IURREF
000000-05-8	Midrange Aliphatic Hydrocarbon Streams	Fall 2010	VOC	1	0	0.01	SCREEN	0.1	PPRTV			0.0045	SCREEN
000060-34-4	Methyl Hydrazine	Spring 2011	SVOC	0	0	0.001	PPRTV	0.00002	SCREEN			1	SCREEN
000064-18-6	Formic Acid	Fall 2010	SVOC	0	0	2	HEAST	0.003	PPRTV				
	Formic Acid	Spring 2011	SVOC	0	0	0.9	PPRTV	0.0003	SCREEN				
		Change Effect		E	E	-1.1		-0.0027		E		E	
000075-71-8	Dichlorodifluoromethane	Fall 2010	VOC	1	0	0.2	IRIS	0.2	HEAST				
	Dichlorodifluoromethane	Spring 2011	VOC	1	0	0.2	IRIS	0.1	SCREEN				
		Change Effect		E	E			-0.1		E		E	
000078-11-5	Pentaerythritol tetranitrate (PETN)	Spring 2011	SVOC	0	0	0.002	PPRTV			0.004	SCREEN		
000079-00-5	Trichloroethane, 1,1,2-	Fall 2010	VOC	1	0	0.004	IRIS			0.057	IRIS	0.016	IRIS
	Trichloroethane, 1,1,2-	Spring 2011	VOC	1	0	0.004	IRIS	0.0002	SCREEN	0.057	IRIS	0.016	IRIS
		Change Effect		E	E					E		E	
000079-01-6	Trichloroethylene	Fall 2010	VOC	1	0					0.0059	CALEPA	0.002	CALEPA
	Trichloroethylene	Spring 2011	VOC	1	0			0.01	NYSDOH	0.0059	CALEPA	0.002	CALEPA
		Change Effect		E	E					E		E	
000079-20-9	Methyl Acetate	Fall 2010	VOC	1	0	1	HEAST						
	Methyl Acetate	Spring 2011	VOC	1	0	1	SCREEN						
		Change Effect		E	E				E			E	
000084-65-1	Anthraquinone, 9,10-	Spring 2011		0		0.002	SCREEN			0.04	PPRTV		
000092-52-4	Biphenyl, 1,1'-	Fall 2010	VOC	1	0	0.05	IRIS						
	Biphenyl, 1,1'-	Spring 2011	VOC	1	0	0.05	IRIS	0.0004	SCREEN	0.008	SCREEN		
		Change Effect		E	E							E	
000092-84-2	Phenothiazine	Spring 2011		0		0.0005	SCREEN						
000095-47-6	Xylene, o-	Fall 2010	VOC	1	0	0.2	SURROGATE	0.7	CALEPA				
	Xylene, o-	Spring 2011	VOC	1	0	0.2	SURROGATE	0.1	SURROGATE				
		Change Effect		E	E			-0.6		E		E	
000095-68-1	Dimethylaniline, 2,4-	Fall 2010	SVOC	0	0					0.75	HEAST		
	Dimethylaniline, 2,4-	Spring 2011	SVOC	0	0	0.002	SCREEN			0.2	PPRTV		
		Change Effect		E	E				E	-0.55		E	
000095-69-2	Chloro-2-methylaniline, 4-	Spring 2011	SVOC	0	0	0.003	SCREEN			0.1	PPRTV	0.077	CALEPA
000095-70-5	Toluene-2,5-diamine	Spring 2011	SVOC	0	0	0.0001	SCREEN			0.18	SCREEN		
000097-63-2	Ethyl Methacrylate	Fall 2010	VOC	1	0	0.09	HEAST						
	Ethyl Methacrylate	Spring 2011	VOC	1	0	0.09	HEAST	0.3	PPRTV				
		Change Effect		E	E					E		E	
000099-55-8	Methyl-5-Nitroaniline, 2-	Fall 2010	SVOC	0	0					0.033	HEAST		
	Methyl-5-Nitroaniline, 2-	Spring 2011	SVOC	0	0	0.02	SCREEN			0.009	PPRTV		
		Change Effect		E	E				E	-0.024		E	
000104-51-8	Butylbenzene, n-	Spring 2011	VOC	1	0	0.05	PPRTV						
000106-42-3	Xylene, p-	Fall 2010	VOC	1	0	0.2	SURROGATE	0.7	CALEPA				
	Xylene, p-	Spring 2011	VOC	1	0	0.2	SURROGATE	0.1	SURROGATE				
		Change Effect		E	E			-0.6		E		E	
000106-43-4	Chlorotoluene, p-	Fall 2010	VOC	1	0	0.07	PPRTV						
	Chlorotoluene, p-	Spring 2011	VOC	1	0	0.02	SCREEN						
		Change Effect		E	E	-0.05			E			E	
000107-06-2	Dichloroethane, 1,2-	Fall 2010	VOC	1	0	0.02	PPRTV	2.428466	ATSDR	0.091	IRIS	0.026	IRIS
	Dichloroethane, 1,2-	Spring 2011	VOC	1	0	0.006	SCREEN	0.007	PPRTV	0.091	IRIS	0.026	IRIS
		Change Effect		E	E	-0.014		-2.421466		E		E	
000108-20-3	Diisopropyl Ether	Fall 2010	VOC	1	0			0.4	PPRTV				
	Diisopropyl Ether	Spring 2011	VOC	1	0			0.7	PPRTV				
		Change Effect		E	E			0.3		E		E	
000108-38-3	Xylene, m-	Fall 2010	VOC	1	0	0.2	SURROGATE	0.7	CALEPA				
	Xylene, m-	Spring 2011	VOC	1	0	0.2	SURROGATE	0.1	SURROGATE				
		Change Effect		E	E			-0.6		E		E	
000108-94-1	Cyclohexanone	Fall 2010	SVOC	0	0	5	IRIS						
	Cyclohexanone	Spring 2011	SVOC	0	0	5	IRIS	0.7	PPRTV				
		Change Effect		E	E					E		E	
000108-98-5	Benzenethiol	Fall 2010	VOC	1	0	1E-05	HEAST						
	Benzenethiol	Spring 2011	VOC	1	0	0.001	PPRTV						
		Change Effect		E	E	0.001			E			E	
000109-86-4	Methoxyethanol, 2-	Fall 2010	SVOC	0	0	0.003	PPRTV	0.02	IRIS				
	Methoxyethanol, 2-	Spring 2011	SVOC	0	0	0.005	PPRTV	0.02	IRIS				
		Change Effect		E	E	0.002			E			E	

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000110-49-6	Methoxyethanol Acetate, 2-	Fall 2010	SVOC	0	0	0.002	HEAST	0.09	CALEPA				
	Methoxyethanol Acetate, 2-	Spring 2011	SVOC	0	0	0.008	PPRTV	0.001	PPRTV				
		Change Effect		E	E	0.006		-0.089		E		E	
000111-15-9	Ethoxyethanol Acetate, 2-	Fall 2010	SVOC	0	0	0.3	HEAST	0.3	CALEPA				
	Ethoxyethanol Acetate, 2-	Spring 2011	SVOC	0	0	0.1	PPRTV	0.06	PPRTV				
		Change Effect		E	E	-0.2		-0.24		E		E	
000123-73-9	Crotonaldehyde, trans-	Fall 2010	VOC	1	0					1.9	HEAST		
	Crotonaldehyde, trans-	Spring 2011	VOC	1	0	0.001	PPRTV			1.9	HEAST		
		Change Effect		E	E			E		E		E	
000123-91-1	Dioxane, 1,4-	Fall 2010	SVOC	0	0	0.03	IRIS	3.603681	ATSDR	0.1	IRIS	0.0077	CALEPA
	Dioxane, 1,4-	Spring 2011	SVOC	0	0	0.03	IRIS	3	CALEPA	0.1	IRIS	0.0077	CALEPA
		Change Effect		E	E	E		-0.603681		E		E	
000126-73-8	Tributyl Phosphate	Fall 2010	SVOC	0	0	0.2	PPRTV			0.0092	PPRTV		
	Tributyl Phosphate	Spring 2011	SVOC	0	0	0.01	PPRTV			0.009	PPRTV		
		Change Effect		E	E	-0.19		E		-2E-04		E	
000512-56-1	Trimethyl Phosphate	Fall 2010	SVOC	0	0					0.037	HEAST		
	Trimethyl Phosphate	Spring 2011	SVOC	0	0	0.01	PPRTV			0.02	PPRTV		
		Change Effect		E	E			E		-0.017		E	
000526-73-8	Trimethylbenzene, 1,2,3-	Spring 2011	VOC	1				0.005	PPRTV				
000615-45-2	Methyl-1,4-benzenediamine dihydrochloride, 2-	Spring 2011	SVOC	0		0.0002	SCREEN						
000615-50-9	Methylbenzene-1,4-diamine sulfate, 2-	Spring 2011	SVOC	0		0.0002	SCREEN						
000634-93-5	Trichloroaniline, 2,4,6-	Fall 2010	SVOC	0	0					0.034	HEAST		
	Trichloroaniline, 2,4,6-	Spring 2011	SVOC	0	0	3E-05	SCREEN			0.007	SCREEN		
		Change Effect		E	E			E		-0.027		E	
001330-20-7	Xylene, Mixture	Fall 2010	VOC	1	0	0.2	IRIS	0.1	IRIS				
	Xylenes	Spring 2011	VOC	1	0	0.2	IRIS	0.1	IRIS				
		Change Effect		E	E	E		E		E		E	
006369-59-1	Benzenediamine-2-methyl sulfate, 1,4-	Spring 2011	SVOC	0		0.0002	SCREEN						
007320-34-5	Tetrapotassium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007439-92-1	Lead and Compounds	Spring 2011	INORGANIC	0	0								
007439-97-6	Mercury (elemental)	Fall 2010	INORGANIC	1	0	0.0002	CALEPA	0.0003	IRIS				
	Mercury (elemental)	Spring 2011	INORGANIC	1	0			0.0003	IRIS				
		Change Effect		E	E			E		E		E	
007440-28-0	Thallium (Soluble Salts)	Spring 2011	INORGANIC	0	0	1E-05	SCREEN						
007440-43-9	Cadmium (Diet)	Fall 2010	INORGANIC	0	0	0.001	IRIS	0.00001	ATSDR			1.8	IRIS
	Cadmium (Diet)	Spring 2011	INORGANIC	0	0	0.001	IRIS	0.00002	CALEPA			1.8	IRIS
		Change Effect		E	E	E		E		E		E	
007440-43-9	Cadmium (Water)	Fall 2010	INORGANIC	0	0	0.0005	IRIS	0.00001	ATSDR			1.8	IRIS
	Cadmium (Water)	Spring 2011	INORGANIC	0	0	0.0005	IRIS	0.00002	CALEPA			1.8	IRIS
		Change Effect		E	E	E		E		E		E	
007440-62-2	Vanadium, Metallic	Fall 2010	INORGANIC	0	0	7E-05	PPRTV	0.0001	ATSDR				
007440-66-6	Zinc (Metallic)	Fall 2010	INORGANIC	0	0	0.3	IRIS						
	Zinc and Compounds	Spring 2011	INORGANIC	0	0	0.3	IRIS						
		Change Effect		E	E	E		E		E		E	
007558-79-4	Disodium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007558-80-7	Monosodium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007601-54-9	Trisodium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007664-38-2	Phosphoric Acid	Fall 2010	INORGANIC	0	0			0.01	IRIS				
	Phosphoric Acid	Spring 2011	INORGANIC	0	0	48.6	PPRTV	0.01	IRIS				
		Change Effect		E	E			E		E		E	
007722-76-1	Monoammonium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007722-88-5	Tetrasodium pyrophosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007757-86-0	Monomagnesium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007757-87-1	Trimagnesium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007757-93-9	Dicalcium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007758-11-4	Dipotassium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007758-16-9	Sodium acid pyrophosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007758-23-8	Monocalcium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007758-29-4	Sodium tripolyphosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007758-87-4	Tricalcium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007778-53-2	Tripotassium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007778-77-0	Monopotassium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						

CAS	Chemical	Type of Observation	CHEMTYPE	VOC	MUT_MODE	RFDQC	RFDQCREF	RFCIC	RFCICREF	SFO	SFOREF	IUR	IURREF
007782-75-4	Dimagnesium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007783-28-0	Diammonium phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007785-84-4	Sodium trimetaphosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007785-88-8	Sodium aluminum phosphate (acidic)	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
007790-76-3	Calcium pyrophosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
008017-16-1	Polyphosphoric acid	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
010124-56-8	Sodium hexametaphosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
010279-59-1	Sodium aluminum phosphate (anhydrous)	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
010305-76-7	Sodium aluminum phosphate (tetrahydrate)	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
013530-50-2	Monoaluminum phosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
013674-87-8	Tris(1,3-Dichloro-2-propyl) Phosphate	Fall 2010	SVOC	0	0	0.02	ATSDR						
013776-88-0	Aluminum metaphosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
013845-36-8	Potassium tripolyphosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
015136-87-5	Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
068333-79-9	Ammonium polyphosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
068915-31-1	Sodium polyphosphate	Spring 2011	INORGANIC	0	0	48.6	PPRTV						
074612-12-7	Methylbenzene,1-4-diamine monohydrochloride, 2-	Spring 2011	SVOC	0		0.0002	SCREEN						