

Table 5-1B
Occurrence, Distribution and Selection of COPCs
Personnel Buildings and Parking Lot Areas

Medium	CAS No.	Chemical	Minimum Conc.	Maximum Conc.	Units	Location of Maximum	Detection Frequency	Average Concentration	Screening Conc.	Risk Based Conc. ¹	Selected as COPC	Rationale
Surface Soils												
Metals	7429-90-5	ALUMINUM	9620	11400	mg/kg	MY05SB17(0-0.5)	3/3	10506.67	11400	7600	Y	ASL
	7440-36-0	ANTIMONY	1.5 J	1.5 J	mg/kg	MY05SS75(0-0.5)	1/1	1.50	1.5 J	3.1	N	BSL
	7440-38-2	ARSENIC	7.8	12	mg/kg	MY05SS67	3/3	9.87	12	0.39	Y	ASL
	7440-39-3	BARIUM	43.4	52.2	mg/kg	MY05SS67	3/3	47.57	52.2	540	N	BSL
	7440-41-7	BERYLLIUM	0.37	0.41	mg/kg	MY05SS75(0-0.5)	3/3	0.40	0.41	150	N	BSL
	7440-42-8	BORON	0.65	0.65	mg/kg	MY05SB17(0-0.5)	1/3	0.34	0.65	1600	N	BSL
	7440-43-9	CADMIUM	0.12	0.17	mg/kg	MY05SS67	2/3	0.14	0.17	3.7	N	BSL
	7440-70-2	CALCIUM	1530	3120	mg/kg	MY05SB17(0-0.5)	3/3	2086.67	3120	NA	N	NUT
	7440-47-3	CHROMIUM	19.9 J	44 J	mg/kg	MY05SS75(0-0.5)	3/3	29.27	44 J	10000	N	BSL
	7440-48-4	COBALT	6.7	7.9	mg/kg	MY05SS75(0-0.5)	3/3	7.20	7.9	90	N	BSL
	7440-50-8	COPPER	16.7	25.3	mg/kg	MY05SS67	3/3	19.93	25.3	310	N	BSL
	7439-89-6	IRON	15800	17000	mg/kg	MY05SS75(0-0.5)	3/3	16300.00	17000	2300	Y	ASL
	7439-92-1	LEAD	11.9	969	mg/kg	MY05SS75(0-0.5)	3/3	331.43	969	40	Y	ASL
	7439-95-4	MAGNESIUM	5270	5620	mg/kg	MY05SS75(0-0.5)	3/3	5450.00	5620	NA	N	NUT
	7439-96-5	MANGANESE	301	362	mg/kg	MY05SS75(0-0.5)	3/3	328.67	362	180	Y	ASL
	7439-98-7	MOLYBDENUM	0.48	0.77	mg/kg	MY05SS67	2/3	0.55	0.77	39	N	BSL
	7440-02-0	NICKEL	17.8	21	mg/kg	MY05SS75(0-0.5)	3/3	19.80	21	160	N	BSL
	7440-09-7	POTASSIUM	2440	2540	mg/kg	MY05SB17(0-0.5)	3/3	2500.00	2540	NA	N	NUT
	7440-22-4	SILVER	0.04	1.9	mg/kg	MY05SS67	2/3	0.69	1.9	39	N	BSL
	7440-23-5	SODIUM	106 J	415 J	mg/kg	MY05SB17(0-0.5)	3/3	217.67	415 J	NA	Y	NTX
7440-28-0	THALLIUM	0.29	0.29	mg/kg	MY05SB17(0-0.5)	1/3	0.19	0.29	0.52	N	BSL	
7440-62-2	VANADIUM	22.8	40.8	mg/kg	MY05SB17(0-0.5)	3/3	29.43	40.8	55	N	BSL	
7440-66-6	ZINC	63.1	74.8	mg/kg	MY05SS67	3/3	69.13	74.8	2300	N	BSL	
VOCs	67-64-1	ACETONE	7 J	22 J	ug/kg	MY05SB17(0-0.5)	2/3	11.83	22 J	160000	N	BSL
Surface and Subsurface Soils												
Metals	7429-90-5	ALUMINUM	8330	30500	mg/kg	MY05SB19(10-12)	8/8	14131.25	30500	7600	Y	ASL
	7440-36-0	ANTIMONY	1.5 J	1.5 J	mg/kg	MY05SS75(0-0.5)	1/5	0.33	1.5 J	3.1	N	BSL
	7440-38-2	ARSENIC	7.4	12	mg/kg	MY05SS67	8/8	9.41	12	0.39	Y	ASL
	7440-39-3	BARIUM	43.1	119	mg/kg	MY05SB19(10-12)	8/8	58.94	119	540	N	BSL
	7440-41-7	BERYLLIUM	0.33	0.84	mg/kg	MY05SB19(10-12)	8/8	0.49	0.84	150	N	BSL
	7440-42-8	BORON	0.63	0.65	mg/kg	MY05SB17(0-0.5)	2/8	1.06	0.65	1600	N	BSL
	7440-43-9	CADMIUM	0.02 J	0.17	mg/kg	MY05SS67	7/8	0.09	0.17	3.7	N	BSL
	7440-70-2	CALCIUM	1080	9220	mg/kg	MY05SB17(4-5)	8/8	3145.00	9220	NA	N	NUT
	7440-47-3	CHROMIUM	19.8	64.2	mg/kg	MY05SB19(10-12)	8/8	31.99	64.2	10000	N	BSL
	7440-48-4	COBALT	5	17	mg/kg	MY05SB19(10-12)	8/8	8.54	17	90	N	BSL
	7440-50-8	COPPER	12.5	27.9	mg/kg	MY05SB19(10-12)	8/8	18.96	27.9	310	N	BSL
	7439-89-6	IRON	9750	39600	mg/kg	MY05SB19(10-12)	9/9	18538.89	39600	2300	Y	ASL

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Medium	CAS No.	Chemical	Minimum Conc.	Maximum Conc.	Units	Location of Maximum	Detection Frequency	Average Concentration	Screening Conc.	Risk Based Conc. ¹	Selected as COPC	Rationale	
SVOCs	7439-92-1	LEAD	5.9	969	mg/kg	MY05SS75(0-0.5)	8/8	130.10	969	40	Y	ASL	
	7439-95-4	MAGNESIUM	3640	14100	mg/kg	MY05SB19(10-12)	8/8	6283.75	14100	NA	N	NUT	
	7439-96-5	MANGANESE	296	732	mg/kg	MY05SB19(10-12)	8/8	401.13	732	180	Y	ASL	
	7439-98-7	MOLYBDENUM	0.43	1.2	mg/kg	MY05SB17(4-5)	7/8	0.73	1.2	39	N	BSL	
	7440-02-0	NICKEL	14.5	52.5	mg/kg	MY05SB19(10-12)	8/8	24.71	52.5	160	N	BSL	
	7440-09-7	POTASSIUM	2010	8670	mg/kg	MY05SB19(10-12)	8/8	3492.50	8670	NA	N	NUT	
	7782-49-2	SELENIUM	0.52 J	0.53 J	mg/kg	MY05SB19(10-12)	2/8	0.32	0.53 J	39	N	BSL	
	7440-22-4	SILVER	0.04	1.9	mg/kg	MY05SS67	6/8	0.29	1.9	39	N	BSL	
	7440-23-5	SODIUM	106 J	452	mg/kg	MY05SB19(10-12)	6/8	206.38	452	NA	Y	NTX	
	7440-28-0	THALLIUM	0.29	0.29	mg/kg	MY05SB17(0-0.5)	1/8	0.13	0.29	0.52	N	BSL	
	7440-62-2	VANADIUM	19.8	61.1	mg/kg	MY05SB19(10-12)	8/8	31.76	61.1	55	Y	ASL	
	7440-66-6	ZINC	32.9	85.1	mg/kg	MY05SB19(10-12)	8/8	60.01	85.1	2300	N	BSL	
	56-55-3	BENZO(A)ANTHRACENE	330 J	330 J	ug/kg	MY05SB17(4-5)	1/7	426.43					
	50-32-8	BENZO(A)PYRENE	300 J	300 J	ug/kg	MY05SB17(4-5)	1/7	422.14					
	205-99-2	BENZO(B)FLUORANTHENE	370	370	ug/kg	MY05SB17(4-5)	1/7	432.14					
	218-01-9	CHRYSENE	310 J	310 J	ug/kg	MY05SB17(4-5)	1/7	423.57					
	193-39-5	INDENO(1,2,3-CD)PYRENE	240 J	240 J	ug/kg	MY05SB17(4-5)	1/7	413.57					
		BENZO(A)PYRENE equivalent		394	ug/kg				394	62		Y	ASL
	191-24-2	BENZO[G,H,I]PERYLENE	200 J	200 J	ug/kg	MY05SB17(4-5)	1/7	407.86	200 J	NA		Y	NTX
	206-44-0	FLUORANTHENE	940	940	ug/kg	MY05SB17(4-5)	1/7	513.57	940	230000		N	BSL
85-01-8	PHENANTHRENE	520	520	ug/kg	MY05SB17(4-5)	1/7	453.57	520	NA		Y	NTX	
129-00-0	PYRENE	520	520	ug/kg	MY05SB17(4-5)	1/7	453.57	520	230000		N	BSL	
67-64-1	ACETONE	7 J	22 J	ug/kg	MY05SB17(0-0.5)	2/9	11.83	22 J	160000		N	BSL	
79-01-6	TRICHLOROETHENE	58	58	ug/kg	MY05SB19(10-12)	1/9	9.06	58	53		Y	ASL	

BOLD - individual carcinogenic PAH compounds modified by the appropriate TEF and summed to yield a Benzo(a)pyrene equivalent concentration- see text

1 - USEPA Region 9 Soil PRGs modified to an HI = 0.1. Same units as reported concentrations

COPC - Compound of Potential Concern

J - estimated concentration

BSL - Below Screening Level

Conc. - Concentration

ASL - Above Screening Level

Min. - Minimum

NUT - Essential Nutrient

Max. - Maximum

NTX - Insufficient Toxicity Information

**Table 5-1C
Occurrence, Distribution and Selection of COPCs
Plant Area**

Medium	CAS No.	Chemical	Minimum Conc.	Maximum Conc.	Units	Location of Maximum	Detection Frequency	Average Concentration	Screening Conc.	Risk Based Conc. ¹	Selected as COPC	Rationale
Surface Soils												
Fuel	NA	DIESEL RANGE ORGANICS	5.5	110	mg/kg	MYLOSS05(0-0.5)	5/5	45.20	110	NA	Y	NTX
Metals	7429-90-5	ALUMINUM	4990	25400	mg/kg	MY05SB16(0-0.5)	39/39	9433.72	25400	7600	Y	ASL
	7440-36-0	ANTIMONY	0.315 J	0.6725 J	mg/kg	MY05SB01 & SB75(0-0.5)	4/36	0.22	0.6725 J	3.1	N	BSL
	7440-38-2	ARSENIC	4.6	22.3 J	mg/kg	MY05SB57(0-0.5)	39/39	7.67	22.3 J	0.39	Y	ASL
	7440-39-3	BARIUM	23.5	169	mg/kg	MY05SB16(0-0.5)	39/39	51.64	169	540	N	BSL
	7440-41-7	BERYLLIUM	0.2	2.1	mg/kg	MY05SB16(0-0.5)	35/39	0.38	2.1	150	N	BSL
	7440-42-8	BORON	0.365 J	8.6	mg/kg	MY05SS31 & SS97(0-0.5)	19/39	1.76	8.6	1600	N	BSL
	7440-43-9	CADMIUM	0.11	0.7	mg/kg	MY05SS28(0-0.5)	29/39	0.21	0.7	3.7	N	BSL
	7440-70-2	CALCIUM	1270	56800	mg/kg	MY05SS25(0-0.5)	38/39	7864.36	56800	NA	N	NUT
	7440-47-3	CHROMIUM	9.3 J	79.5	mg/kg	MY05SB11(0-0.5)	32/32	25.29	79.5	10000	N	BSL
	7440-48-4	COBALT	3.3	13.3	mg/kg	MY05SB57(0-0.5)	39/39	6.14	13.3	90	N	BSL
	7440-50-8	COPPER	8.3 J	757 J	mg/kg	MY05SS99(0-0.5)	39/39	80.90	757 J	310	Y	ASL
	7439-89-6	IRON	8310	46600 J	mg/kg	MY05SB01 & SB75(0-0.5)	40/40	15656.25	46600 J	2300	Y	ASL
	7439-92-1	LEAD	4.4	42.5	mg/kg	MY05SS52(0-0.5)	39/39	11.19	42.5	40	Y	ASL
	7439-95-4	MAGNESIUM	2760	12100	mg/kg	MY05SB11(0-0.5)	39/39	4848.59	12100	NA	N	NUT
	7439-96-5	MANGANESE	154	835	mg/kg	MY05SB16(0-0.5)	39/39	286.09	835	180	Y	ASL
	7439-97-6	MERCURY	0.01 J	0.27	mg/kg	MY05SS31 & SS97(0-0.5)	13/39	0.03	0.27	2.3	N	BSL
	7439-98-7	MOLYBDENUM	0.38	11.15 J	mg/kg	MY05SB01 & SB75(0-0.5)	12/39	0.96	11.15 J	39	N	BSL
	7440-02-0	NICKEL	8.5 J	54.4 J	mg/kg	MY05SB01 & SB75(0-0.5)	39/39	19.37	54.4 J	160	N	BSL
	7440-09-7	POTASSIUM	956 J	11100 J	mg/kg	MY05SB11(0-0.5)	39/39	2654.64	11100 J	NA	N	NUT
	7782-49-2	SELENIUM	0.73 J	0.73 J	mg/kg	MY05SB16(0-0.5)	1/39	0.24	0.73 J	39	N	BSL
	7440-22-4	SILVER	0.04	7.4 J	mg/kg	MY05SS80 & SS95(0-0.5)	8/39	0.43	7.4 J	39	N	BSL
	7440-23-5	SODIUM	81.3	552	mg/kg	MY05SS31 & SS97(0-0.5)	38/39	263.30	552	NA	Y	NTX
	7440-28-0	THALLIUM	0.22	1.5 J	mg/kg	MY05SB02(0-0.5)	6/39	0.33	1.5 J	0.52	Y	ASL
	7440-62-2	VANADIUM	11.2	59.1	mg/kg	MY05SB02(0-0.5)	39/39	23.56	59.1	55	Y	ASL
	7440-66-6	ZINC	27.5 J	1060	mg/kg	MY05SS70	39/39	91.12	1060	2300	N	BSL
PCBs	53469-21-9	PCB-1242	22	47	ug/kg	MY05SS28(0-0.5)	3/48	10.51				
	12672-29-6	PCB-1248	64	64	ug/kg	MY05SS35(0-0.5)	1/48	10.18				
	11097-69-1	PCB-1254	18.9	240	ug/kg	MY05SS36(0-0.5)	19/48	37.71				
	11096-82-5	PCB-1260	21	38.5	ug/kg	MY05SB01 & SB75(0-0.5)	2/48	9.90				
		Total PCBs		389.5	ug/kg				389.5	220	Y	ASL
Pesticides	50-29-3	4,4'-DDT	2.57	7.2 J	ug/kg	MY05SB15(0-0.5)	2/15	3.10	7.2 J	1700	N	BSL
	60-57-1	DIELDRIN	5.4 J	5.4 J	ug/kg	MY05SS03(0-0.5)	1/15	2.93	5.4 J	30	N	BSL
	7421-93-4	ENDRIN ALDEHYDE	2.41	2.41	ug/kg	MY05SS03(0-0.5)	1/15	2.73	2.41	NA	Y	NTX
	1024-57-3	HEPTACHLOR EPOXIDE	0.874	0.874	ug/kg	MY05SB57(0-0.5)	1/15	1.37	0.874	53	N	BSL

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Medium	CAS No.	Chemical	Minimum Conc.	Maximum Conc.	Units	Location of Maximum	Detection Frequency	Average Concentration	Screening Conc.	Risk Based Conc. ¹	Selected as COPC	Rationale
SVOCs	72-43-5	METHOXYCHLOR	9.78	9.78	ug/kg	MY05SS03(0-0.5)	1/15	13.74	9.78	31000	N	BSL
	91-57-6	2-METHYLNAPHTHALENE	40	1700	ug/kg	MY05SS29(0-0.5)	9/47	387.13	1700	NA	Y	TX
	83-32-9	ACENAPHTHENE	240 J	3400	ug/kg	MY05SS80 & SS95(0-0.5)	13/47	592.23	3400	370000	N	BSL
	120-12-7	ANTHRACENE	177.5 J	8900	ug/kg	MY05SS80 & SS95(0-0.5)	20/47	995.21	8900	2200000	N	BSL
	56-55-3	BENZO(A)ANTHRACENE	100 J	19000	ug/kg	MY05SS80 & SS95(0-0.5)	29/47	1779.10				
	50-32-8	BENZO(A)PYRENE	85 J	16000	ug/kg	MY05SS80 & SS95(0-0.5)	28/47	1632.27				
	205-99-2	BENZO(B)FLUORANTHENE	95 J	21000	ug/kg	MY05SS80 & SS95(0-0.5)	29/47	2029.95				
	207-08-9	BENZO(K)FLUORANTHENE	81 J	8400 J	ug/kg	MY05SS80 & SS95(0-0.5)	24/47	923.41				
	53-70-3	DIBENZO(A,H)ANTHRACENE	280 J	1750	ug/kg	MY05SS80 & SS95(0-0.5)	10/47	412.87				
	218-01-9	CHRYSENE	120 J	19000	ug/kg	MY05SS80 & SS95(0-0.5)	29/47	1736.86				
	193-39-5	INDENO(1,2,3-CD)PYRENE	190 J	9700	ug/kg	MY05SS80 & SS95(0-0.5)	22/47	1150.27				
	BENZO(A)PYRENE equivalent			22823	ug/kg				22823	62	Y	ASL
191-24-2	BENZO[G,H,I]PERYLENE	222.5 J	8350	ug/kg	MY05SS80 & SS95(0-0.5)	20/47	988.56	8350	NA	Y	NTX	
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	230 J	2300	ug/kg	MY05SS53(0-0.5)	5/44	350.85	2300	35000	N	BSL	
85-68-7	BUTYL BENZYL PHTHALATE	570 J	2600 J	ug/kg	MY05SS24 & SS152(0-0.5)	2/44	348.81	2600 J	1200000	N	BSL	
86-74-8	CARBAZOLE	210 J	8100 J	ug/kg	MY05SS80 & SS95(0-0.5)	22/44	833.69	8100 J	NA	Y	NTX	
132-64-9	DIBENZOFURAN	220 J	2450	ug/kg	MY05SS80 & SS95(0-0.5)	12/44	514.55	2450	29000	N	BSL	
206-44-0	FLUORANTHENE	180	49000	ug/kg	MY05SS80 & SS95(0-0.5)	29/47	4068.35	49000	230000	N	BSL	
86-73-7	FLUORENE	210 J	4550	ug/kg	MY05SS80 & SS95(0-0.5)	16/47	632.13	4550	270000	N	BSL	
91-20-3	NAPHTHALENE	210 J	1100	ug/kg	MY05SS38(0-0.5)	9/47	326.76	1100	5600	N	BSL	
85-01-8	PHENANTHRENE	130 J	34500	ug/kg	MY05SS80 & SS95(0-0.5)	29/47	3262.61	34500	NA	Y	NTX	
129-00-0	PYRENE	180	39000	ug/kg	MY05SS80 & SS95(0-0.5)	29/47	3182.71	39000	230000	N	BSL	
VOCs	78-93-3	2-BUTANONE	11 J	11 J	ug/kg	MY05SS25(0-0.5)	1/14	5.79	11 J	730000	N	BSL
	108-10-1	4-METHYL-2-PENTANONE	8 J	8 J	ug/kg	MYLOSS01 & SS06(0-0.5)	1/34	6.87	8 J	79000	N	BSL
	67-64-1	ACETONE	10.25 J	62 J	ug/kg	MYLOSS05(0-0.5)	7/44	13.07	62 J	160000	N	BSL
	136777-61-2	M-,P-XYLENE	4 J	4 J	ug/kg	MY05SS24 & SS152(0-0.5)	1/44	3.48	4 J	27000	N	BSL
	75-09-2	METHYLENE CHLORIDE	6 J	28 J	ug/kg	MY05SS53(0-0.5)	5/44	6.48	28 J	9100	N	BSL
	Surface and Subsurface Soils											
Fuel	NA	DIESEL RANGE ORGANICS	5.5	110	mg/kg	MYLOSS05(0-0.5)	5/5	45.20	110	NA	Y	NTX
	Metals	7429-90-5	ALUMINUM	1600	25400	mg/kg	MY05SB16(0-0.5)	53/53	10153.30	25400	7600	Y
7440-36-0		ANTIMONY	0.315 J	0.6725 J	mg/kg	MY05SB01 & SB75(0-0.5)	4/40	0.22	0.6725 J	3.1	N	BSL
7440-38-2		ARSENIC	2	22.3	mg/kg	MY05SB57(0-0.5)	52/53	7.74	22.3	0.39	Y	ASL
7440-39-3		BARIUM	7.4	169	mg/kg	MY05SB16(0-0.5)	53/53	52.92	169	540	N	BSL
7440-41-7		BERYLLIUM	0.2	2.1	mg/kg	MY05SB16(0-0.5)	42/53	0.39	2.1	15	N	BSL
7440-42-8		BORON	0.365	8.6	mg/kg	MY05SS31 & SS97(0-0.5)	21/53	1.68	8.6	1600	N	BSL
7440-43-9		CADMIUM	0.03	1.3	mg/kg	MY05SB11(12-13.5)	33/53	0.24	1.3	3.7	N	BSL

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	7440-70-2	CALCIUM	592	56800	mg/kg	MY05SS25(0-0.5)	51/53	6693.34	56800	NA	N	NUT	
	7440-47-3	CHROMIUM	6.4	79.5	mg/kg	MY05SB11(0-0.5)	45/45	25.41	79.5	10000	N	BSL	
	7440-48-4	COBALT	0.98	16.8	mg/kg	MY05SB10(14-16)	53/53	6.58	16.8	90	N	BSL	
	7440-50-8	COPPER	2.8	757	mg/kg	MY05SS99(0-0.5)	53/53	65.40	757	310	Y	ASL	
	7439-89-6	IRON	3410 J	46600 J	mg/kg	MY05SB01 & SB75(0-0.5)	54/54	16862.22	46600 J	2300	Y	ASL	
	7439-92-1	LEAD	3.4	42.5	mg/kg	MY05SS52(0-0.5)	53/53	11.41	42.5	40	Y	ASL	
	7439-95-4	MAGNESIUM	574	13100	mg/kg	MY05SB10(14-16)	53/53	5183.94	13100	NA	N	NUT	
	7439-96-5	MANGANESE	68.7	835	mg/kg	MY05SB16(0-0.5)	53/53	311.29	835	180	Y	ASL	
	7439-97-6	MERCURY	0.01	0.27	mg/kg	MY05SS31 & SS97(0-0.5)	14/53	0.02	0.27	2.3	N	BSL	
	7439-98-7	MOLYBDENUM	0.38 J	11.15 J	mg/kg	MY05SB01 & SB75(0-0.5)	18/53	0.86	11.15 J	39	N	BSL	
	7440-02-0	NICKEL	3.2 J	54.4 J	mg/kg	MY05SB01 & SB75(0-0.5)	53/53	19.59	54.4 J	160	N	BSL	
	7440-09-7	POTASSIUM	575	11100	mg/kg	MY05SB11(0-0.5)	53/53	2859.17	11100	NA	N	NUT	
	7782-49-2	SELENIUM	0.53	0.73	mg/kg	MY05SB16(0-0.5)	2/53	0.24	0.73	39	N	BSL	
	7440-22-4	SILVER	0.04	7.4	mg/kg	MY05SS80 & SS95(0-0.5)	10/53	0.39	7.4	39	N	BSL	
	7440-23-5	SODIUM	77.9	3700	mg/kg	MY05SB13(4-5.5)	50/53	314.68	3700	NA	Y	NTX	
	7440-28-0	THALLIUM	0.15 J	1.5 J	mg/kg	MY05SB02(0-0.5)	8/53	0.34	1.5 J	0.52	Y	ASL	
	7440-62-2	VANADIUM	3	59.1	mg/kg	MY05SB02(0-0.5)	53/53	24.94	59.1	55	Y	ASL	
	7440-66-6	ZINC	12.2	1060	mg/kg	MY05SS70	53/53	87.50	1060	2300	N	BSL	
	PCBs	53469-21-9	PCB-1242	22	47	ug/kg	MY05SS28(0-0.5)	3/64	9.98				
		12672-29-6	PCB-1248	64	64	ug/kg	MY05SS35(0-0.5)	1/64	9.73				
		11097-69-1	PCB-1254	18.9	240	ug/kg	MY05SS36(0-0.5)	20/64	30.58				
11096-82-5		PCB-1260	21	38.5	ug/kg	MY05SB01 & SB75(0-0.5)	2/64	9.52					
		Total PCBs		389.5	ug/kg				389.5	220	Y	ASL	
Pesticides	50-29-3	4,4'-DDT	2.57	7.2	ug/kg	MY05SB15(0-0.5)	2/29	2.27	7.2	1700	N	BSL	
	60-57-1	DIELDRIN	2.38	13	ug/kg	MY05SB12(8-10)	5/29	2.82	13	30	N	BSL	
	7421-93-4	ENDRIN ALDEHYDE	2.41	2.41	ug/kg	MY05SS03(0-0.5)	1/29	2.07	2.41	NA	Y	NTX	
	58-89-9	GAMMA BHC	3.99 J	3.99 J	ug/kg	MY05SB05(12-13.5)	1/29	1.13	3.99 J	440	N	BSL	
	1024-57-3	HEPTACHLOR EPOXIDE	0.874	0.874	ug/kg	MY05SB57(0-0.5)	1/29	1.04	0.874	53	N	BSL	
SVOCs	72-43-5	METHOXYCHLOR	9.78	9.78	ug/kg	MY05SS03(0-0.5)	1/29	10.44	9.78	31000	N	BSL	
	91-57-6	2-METHYLNAPHTHALENE	40	1700	ug/kg	MY05SS29(0-0.5)	10/61	322.95	1700	NA	Y	TX	
	83-32-9	ACENAPHTHENE	240	3400	ug/kg	MY05SS80 & SS95(0-0.5)	14/61	490.00	3400	370000	N	BSL	
	120-12-7	ANTHRACENE	177.5	8900	ug/kg	MY05SS80 & SS95(0-0.5)	21/61	807.87	8900	2200000	N	BSL	
	56-55-3	BENZO(A)ANTHRACENE	100	19000	ug/kg	MY05SS80 & SS95(0-0.5)	32/61	1446.19					
	50-32-8	BENZO(A)PYRENE	85	16000	ug/kg	MY05SS80 & SS95(0-0.5)	31/61	1327.48					
	205-99-2	BENZO(B)FLUORANTHENE	95	21000	ug/kg	MY05SS80 & SS95(0-0.5)	32/61	1634.39					
218-01-9	CHRYSENE	110	19000	ug/kg	MY05SS80 & SS95(0-0.5)	32/61	1408.07						

**Table 5-1C
Occurrence, Distribution and Selection of COPCs
Plant Area**

Medium	CAS No.	Chemical	Minimum Conc.	Maximum Conc.	Units	Location of Maximum	Detection Frequency	Average Concentration	Screening Conc.	Risk Based Conc. ¹	Selected as COPC	Rationale
VOCs	53-70-3	DIBENZO(A,H)ANTHRACENE	280	1750	ug/kg	MY05SS80 & SS95(0-0.5)	11/61	347.38				
	207-08-9	BENZO(K)FLUORANTHENE	81	8400	ug/kg	MY05SS80 & SS95(0-0.5)	27/61	768.06				
	193-39-5	INDENO(1,2,3-CD)PYRENE	190	9700	ug/kg	MY05SS80 & SS95(0-0.5)	24/61	940.53				
		BENZO(A)PYRENE equivalent		22823	ug/kg				22823	62	Y	ASL
	117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	120	2300	ug/kg	MY05SS53(0-0.5)	7/58	310.04	2300	35000	N	BSL
	85-68-7	BUTYL BENZYL PHTHALATE	570	2600	ug/kg	MY05SS24 & SS152(0-0.5)	2/58	290.22	2600	1200000	N	BSL
	86-74-8	CARBAZOLE	210	8100	ug/kg	MY05SS80 & SS95(0-0.5)	23/58	671.16	8100	NA	Y	NTX
	191-24-2	BENZO[G,H,I]PERYLENE	222.5	8350	ug/kg	MY05SS80 & SS95(0-0.5)	22/61	798.40	8350	NA	Y	NTX
	132-64-9	DIBENZOFURAN	220	2450	ug/kg	MY05SS80 & SS95(0-0.5)	13/58	421.98	2450	29000	N	BSL
	206-44-0	FLUORANTHENE	140	49000	ug/kg	MY05SS80 & SS95(0-0.5)	33/61	3282.50	49000	230000	N	BSL
	86-73-7	FLUORENE	210	4550	ug/kg	MY05SS80 & SS95(0-0.5)	17/61	523.20	4550	270000	N	BSL
	91-20-3	NAPHTHALENE	210	1100	ug/kg	MY05SS38(0-0.5)	10/61	278.57	1100	5600	N	BSL
	85-01-8	PHENANTHRENE	130	34500	ug/kg	MY05SS80 & SS95(0-0.5)	32/61	2644.30	34500	NA	Y	NTX
	129-00-0	PYRENE	100	39000	ug/kg	MY05SS80 & SS95(0-0.5)	33/61	2579.47	39000	230000	N	BSL
	78-93-3	2-BUTANONE	11	11	ug/kg	MY05SS25(0-0.5)	1/27	5.39	11	730000	N	BSL
	108-10-1	4-METHYL-2-PENTANONE	8	8	ug/kg	MYLOSS01 & SS06(0-0.5)	1/47	6.34	8	79000	N	BSL
	67-64-1	ACETONE	6	62	ug/kg	MYLOSS05(0-0.5)	8/61	11.22	62	160000	N	BSL
	75-15-0	CARBON DISULFIDE	4 J	4 J	ug/kg	MY05SB05(12-13.5)	1/61	5.39	4 J	36000	N	BSL
136777-61-2	M-,P-XYLENE	4	4	ug/kg	MY05SS24 & SS152(0-0.5)	1/61	3.64	4	27000	N	BSL	
75-09-2	METHYLENE CHLORIDE	2.9	28	ug/kg	MY05SS53(0-0.5)	8/61	5.88	28	9100	N	BSL	

BOLD - individual carcinogenic PAH compounds modified by the appropriate TEF and summed to yield a Benzo(a)pyrene equivalent concentration- see text

1 - USEPA Region 9 Soil PRG modified to an HI = 0.1. Same units as reported concentrations

COPCs - Compounds of Potential Cancer Max. - Maximum

TX - Toxicity information is available

DRO - Diesel Range Organics

BSL - Below Screening Level

NTX - Insufficient Toxicity Information

J - estimated Concentration

ASL - Above Screening Level

Y - Yes

Min. - Minimum

NUT - Essential Nutrient

N- No