Appendix C1 - Statistical Summary Tables
Table C1-1. Area 1

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	3,300	6,242	11,000	78	13	91	91	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	26	176	470	78	13	91	5	100%	5	100%	86	95%	410,000	0	0%
Arsenic	ug/kg	1,400	3,454	8,200	78	13	91	91	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	29,000	57,330	130,000	78	13	91	91	100%	5	5%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	160	284	610	78	13	91	91	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	< 1.1	2.7	10	78	13	91	46	51%	30	33%	0	0%	200,000	0	0%
Cadmium	ug/kg	210	419	970	78	13	91	91	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	2,400	6,622	29,000	78	13	91	91	100%	2	2%	0	0%	NA	0	0%
Chromium, Total	ug/kg	2,600	4,744	16,000	78	13	91	91	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	2,600	3,945	9,600	78	13	91	91	100%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	36,000	130,088	1,200,000	78	13	91	91	100%	4	4%	0	0%	41,000,000	0	0%
Iron	mg/kg	5,100	9,992	16,000	78	13	91	91	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	2,200	4,302	35,000	78	13	91	91	100%	2	2%	0	0%	NA	0	0%
Magnesium	mg/kg	1,900	3,405	6,300	78	13	91	91	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	95,000	190,165	440,000	78	13	91	91	100%	2	2%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.02	0.35	78	13	91	63	69%	47	52%	0	0%	310	0	0%
Molybdenum	ug/kg	<20	188	1,300	78	13	91	53	58%	39	43%	0	0%	5,100,000	0	0%
Nickel	ug/kg	3,500	5,431	14,000	78	13	91	91	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	730	1,437	2,900	78	13	91	91	100%	3	3%	0	0%	NA	0	0%
Selenium	ug/kg	<160	305	2,700	78	13	91	47	52%	45	49%	0	0%	5,100,000	0	0%
Silver	ug/kg	<32	91	2,000	78	13	91	76	84%	67	74%	0	0%	5,100,000	0	0%
Sodium	mg/kg	100	334	1,700	78	13	91	91	100%	3	3%	0	0%	NA	0	0%
Thallium	ug/kg	<29	91	400	78	13	91	88	97%	85	93%	0	0%	67,000	0	0%
Vanadium	ug/kg	10,000	15,143	39,000	78	13	91	91	100%	1	1%	0	0%	1,000,000	0	0%
Zinc	ug/kg	11,000	20,549	170,000	78	13	91	91	100%	3	3%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	NA	NA	NA			0							3.7	NA	NA
Radium-228	pCi/g	NA	NA	NA			0							8.4	NA	NA
Acid/Base Potential:																
Acid Potential	T/KT	< 1	1	6	78	13	91	24	26%	4	4%	0	0%	NA	0	0%
Acid/Base Potential	T/KT	4	13	38	78	13	91	91	100%	0	0%	0	0%	NA	0	0%
Neutralization Potential	T/KT	4	14	39	78	13	91	91	100%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.039	0.07	<0.54	78	13	91	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.066	0.07	<0.37	78	13	91	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.081	0.11	<0.73	78	13	91	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.18	0.15	<0.72	78	13	91	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.056	0.06	<0.35	78	13	91	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.089	0.08	<0.43	78	13	91	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.034	0.04	0.1	78	13	91	1	1%	1	1%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.065	0.12	<0.95	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.11	0.21	<1.6	78	13	91	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.08	0.13	<0.95	78	13	91	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.048	0.16	2.4	78	13	91	7	8%	7	8%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.53	0.37	<1.4	78	13	91	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.071	0.09	<0.63	78	13	91	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.072	0.12	<0.91	78	13	91	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.1	0.10	<0.55	78	13	91	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.061	0.06	<0.29	78	13	91	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.053	0.08	<0.6	78	13	91	0	0%	0	0%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.066	0.11	<0.8	78	13	91	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.058	0.08	<0.6	78	13	91	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.071	0.12	<0.9	78	13	91	0	0%	0	0%	0	0%	10,000,000	0	0%
2,2-Dichloropropane	ug/kg	<0.062	0.07	<0.43	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.039	0.10	<0.83	78	13	91	0	0%	0	0%	0	0%	NA	0	0%

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4-Chlorotoluene	ug/kg	<0.061	0.10	<0.71	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.047	0.12	4.4	78	13	91	6	7%	5	5%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.094	0.12	<0.8	78	13	91	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.18	0.12	<0.42	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.2	0.13	<0.4	78	13	91	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.17	0.15	<0.76	78	13	91	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.15	0.15	<0.88	78	13	91	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.062	0.09	<0.63	78	13	91	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.061	0.08	<0.5	78	13	91	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.29	0.23	<1	78	13	91	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.1	0.08	<0.38	78	13	91	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1	0.62	<1.6	78	13	91	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.079	0.07	<0.33	78	13	91	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.065	0.08	<0.53	78	13	91	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0.12	<0.59	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.062	0.10	<0.78	78	13	91	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.14	0.11	0.4	78	13	91	1	1%	1	1%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.093	0.11	<0.7	78	13	91	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.025	0.06	<0.51	78	13	91	0	0%	0	0%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.28	0.97	3.0	78	13	91	14	15%	14	15%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.047	0.13	0.1	78	13	91	10	11%	10	11%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.083	0.11	0.2	78	13	91	1	1%	1	1%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.052	0.09	0.3	78	13	91	3	3%	3	3%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.064	0.10	0.1	78	13	91	1	1%	1	1%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.048	0.08	<0.64	78	13	91	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.048	0.11	1.0	78	13	91	20	22%	20	22%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.035	0.08	0.3	78	13	91	1	1%	1	1%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.062	0.18	4.8	78	13	91	13	14%	12	13%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.11	0.16	0.8	78	13	91	9	10%	9	10%	0	0%	2,200,000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.066	0.07	<0.39	78	13	91	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.081	0.07	<0.32	78	13	91	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.043	0.08	0.8	78	13	91	2	2%	2	2%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.047	0.11	<0.87	78	13	91	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.28	0.23	3.9	78	13	91	2	2%	2	2%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.016	0.18	<13	78	13	91	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0.30	<21	78	13	91	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0.31	<23	78	13	91	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.30	<23	78	13	91	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0.08	<6.1	78	13	91	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0096	0.08	<6.1	78	13	91	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0.06	<4.4	78	13	91	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.037	0.11	<4.7	78	13	91	0	0%	0	0%	5	5%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0.12	<7.6	78	13	91	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0.06	<3.9	78	13	91	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.014	0.09	<5.7	78	13	91	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.01	0.07	<5.2	78	13	91	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0.11	<8.3	78	13	91	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.06	<3.7	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.09	<5.8	78	13	91	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0.09	<6.2	78	13	91	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.015	0.13	<8.9	78	13	91	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.045	0.74	<55	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0.72	<55	78	13	91	0	0%	0	0%	0	0%	180	0	0%
4,6-Dinitro-2-Methylphenol	mg/kg	<0.018	0.07	<4.5	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0.05	<3.2	78	13	91	1	1%	1	1%	0	0%	NA	0	0%

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4-Chloro-3-Methylphenol	mg/kg	<0.011	0.06	<4.1	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.044	0.45	<33	78	13	91	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0.08	<5.2	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.012	0.07	<4.5	78	13	91	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.023	0.10	<6.9	78	13	91	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.024	0.14	<9.3	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0089	0.06	<4.4	78	13	91	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0078	0.06	<4.3	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0.06	<3.4	78	13	91	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0078	0.03	<1.9	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0.06	<3.4	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.13	<3.5	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.009	0.08	<5.5	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.043	0.14	<4.6	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.75	<55	78	13	91	0	0%	0	0%	1	1%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0.10	<7.5	78	13	91	0	0%	0	0%	1	1%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.012	0.05	0.41	78	13	91	4	4%	3	3%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0093	0.10	<6.4	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.016	0.22	<16	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0.21	<15	78	13	91	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0095	0.06	0.10	78	13	91	4	4%	4	4%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.26	0.45	<27	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.04	<2.4	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.019	0.08	<5.4	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0098	0.07	<4.6	78	13	91	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.015	0.07	<4.2	78	13	91	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.012	0.06	<4.5	78	13	91	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.03	<2.3	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.012	0.05	<3.4	78	13	91	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.012	0.04	<1.9	78	13	91	0	0%	0	0%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0081	0.06	<4.2	78	13	91	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.016	0.05	<3.6	78	13	91	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0.21	<15	78	13	91	0	0%	0	0%	3	3%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0.12	<7.7	78	13	91	0	0%	0	0%	9	10%	3,700	0	0%
Hexachloroethane	mg/kg	<0.018	0.30	<22	78	13	91	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.07	<5.3	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.015	0.07	<4.8	78	13	91	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.014	0.04	<2.6	78	13	91	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.017	0.16	<11	78	13	91	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0.09	<6.8	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0.09	<5.8	78	13	91	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.17	<12	78	13	91	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.05	<3.3	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Phenol	mg/kg	<0.013	0.08	<5.8	78	13	91	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.06	<4.2	78	13	91	0	0%	0	0%	0	0%	29,000	0	0%
TPH:																
Diesel Components	mg/kg	<0.87	395	19,000	78	13	91	26	29%	9	10%	0	0%	100	6	8%
Gasoline C4-C12	mg/kg	<3.4	2.3	<13	78	13	91	0	0%	0	0%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	70	3,000	78	13	91	53	58%	46	51%	0	0%	100	4	5%
Pesticide:																
Aldrin	ug/kg	<0.21	0.22	6	78	13	91	1	1%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.47	16	78	13	91	8	9%	7	8%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.56	0.43	<12	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<1	0.79	<22	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.28	0.42	19	78	13	91	1	1%	0	0%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.78	0.60	<17	78	13	91	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-1. Area 1

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.3	0.39	14	78	13	91	5	5%	4	4%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.63	0.47	<13	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<2.4	1.8	<51	78	13	91	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.68	0.76	27	78	13	91	2	2%	1	1%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<2.4	1.9	<52	78	13	91	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<2.5	2.1	20	78	13	91	1	1%	1	1%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.2	0.30	14	78	13	91	1	1%	0	0%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<1	0.79	<22	78	13	91	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.36	0.31	4	78	13	91	1	1%	1	1%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.26	0.46	13	78	13	91	3	3%	3	3%	0	0%	310,000	0	0%
Methoxychlor	ug/kg	<1.5	2.4	58	78	13	91	5	5%	5	5%	0	0%	8,000	0	0%
P,P'-Ddd	ug/kg	<1.9	1.5	3	78	13	91	3	3%	3	3%	0	0%	3,100,000	0	0%
P,P'-Dde	ug/kg	<0.66	0.70	6	78	13	91	6	7%	3	3%	0	0%	NA	0	0%
P,P'-Ddt	ug/kg	<1.9	4.6	170	78	13	91	11	12%	9	10%	0	0%	NA	0	0%
Toxaphene	ug/kg	<82	63	<1800	78	13	91	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29	15.3	<34	78	13	91	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.1	3.8	<8.4	78	13	91	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.4	2.9	<6.3	78	13	91	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31	16.3	<36	78	13	91	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.6	3.0	<6.5	78	13	91	0	0%	0	0%	0	0%	18,000,000	0	0%
Dichloroprop	ug/kg	<4.6	2.5	<5.4	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14	7.6	<21	78	13	91	0	0%	0	0%	26	29%	620,000	0	0%
MCPA	ug/kg	<1400	737	<1600	78	13	91	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<840	467	2,400	78	13	91	1	1%	1	1%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<6.9	3.7	<8.1	78	13	91	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	1.4	<39	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<20	15.7	<440	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<20	15.7	<440	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<20	15.7	<440	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<20	15.7	<440	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<20	15.7	<440	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	1.0	<29	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<20	15.7	<440	78	13	91	0	0%	0	0%	0	0%	37,000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-2. Area 2

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	2,100	5,964	11,000	108	18	126	126	100%	2	2%	0	0%	920,000	0	0%
Antimony	ug/kg	24	1,641	13,000	108	18	126	10	100%	10	100%	116	92%	410,000	0	0%
Arsenic	ug/kg	1,400	3,840	16,000	108	18	126	126	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	15,000	52,579	160,000	108	18	126	126	100%	2	2%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	120	261	500	108	18	126	126	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<1.1	2.9	7.2	108	18	126	84	67%	63	50%	0	0%	200,000	0	0%
Cadmium	ug/kg	<130	353	1,200	108	18	126	121	96%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	2,800	6,714	25,000	108	18	126	126	100%	4	3%	0	0%	NA	0	0%
Chromium, Total	ug/kg	1,600	4,760	50,000	108	18	126	126	100%	6	5%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	1,800	3,481	7,600	108	18	126	126	100%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	29,000	204,310	3,500,000	108	18	126	126	100%	6	5%	0	0%	41,000,000	0	0%
Iron	mg/kg	3,300	9,502	17,000	108	18	126	126	100%	2	2%	0	0%	310,000	0	0%
Lead	ug/kg	1,200	23,648	1,300,000	108	18	126	126	100%	4	3%	0	0%	NA	0	0%
Magnesium	mg/kg	1,500	3,250	6,700	108	18	126	126	100%	2	2%	0	0%	NA	0	0%
Manganese	ug/kg	72,000	163,222	320,000	108	18	126	126	100%	6	5%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.12	7.7	108	18	126	94	75%	56	44%	0	0%	310	0	0%
Molybdenum	ug/kg	<20	649	34,000	108	18	126	89	71%	60	48%	0	0%	5,100,000	0	0%
Nickel	ug/kg	2,500	4,990	12,000	108	18	126	126	100%	2	2%	0	0%	20,000,000	0	0%
Potassium	mg/kg	460	1,268	2,900	108	18	126	126	100%	5	4%	0	0%	NA	0	0%
Selenium	ug/kg	<160	1,283	82,000	108	18	126	38	30%	34	27%	0	0%	5,100,000	0	0%
Silver	ug/kg	<16	95	4,200	108	18	126	76	60%	63	50%	0	0%	5,100,000	0	0%
Sodium	mg/kg	80	244	1,100	108	18	126	126	100%	3	2%	0	0%	NA	0	0%
Thallium	ug/kg	<2.1	115	1,800	108	18	126	100	79%	95	75%	0	0%	67,000	0	0%
Vanadium	ug/kg	6,000	13,746	20,000	108	18	126	126	100%	0	0%	0	0%	1,000,000	0	0%
Zinc	ug/kg	9,600	24,864	190,000	108	18	126	126	100%	11	9%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	NA	NA	NA	0		0							3.7	NA	NA
Radium-228	pCi/g	NA	NA	NA	0		0							8.4	NA	NA
Acid/Base Potential:																
Acid Potential	t/kt	<1	1.1	22	108	18	126	43	34%	9	7%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-22	13	30	108	18	126	126	100%	4	3%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	14	31	108	18	126	125	99%	1	1%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.038	0.09	<0.62	108	18	126	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.064	0.08	<0.42	108	18	126	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.078	0.13	<0.84	108	18	126	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.18	0.17	0.83	108	18	126	1	1%	1	1%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.053	0.07	<0.4	108	18	126	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.085	0.34	8.6	108	18	126	9	7%	7	6%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.032	0.05	<0.3	108	18	126	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.062	0.16	<1.1	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.1	0.26	<1.8	108	18	126	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.077	0.17	<1.1	108	18	126	0	0%	0	0%	5	4%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.046	0.18	3	108	18	126	1	1%	1	1%	1	1%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.51	0.40	<1.6	108	18	126	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.068	0.11	<0.72	108	18	126	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.069	0.15	<1	108	18	126	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.096	0.11	<0.63	108	18	126	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.059	0.06	0.33	108	18	126	1	1%	1	1%	2	2%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.051	0.10	<0.68	108	18	126	0	0%	0	0%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.064	0.14	<0.91	108	18	126	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.056	0.11	<0.68	108	18	126	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.068	0.15	<1	108	18	126	0	0%	0	0%	0	0%	10,000,000	0	0%
2,2-Dichloropropane	ug/kg	<0.06	0.08	<0.49	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.037	0.13	<0.95	108	18	126	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-2. Area 2

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4-Chlorotoluene	ug/kg	<0.059	0.12	<0.8	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.045	0.09	0.6	108	18	126	1	1%	1	1%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.09	0.15	<0.91	108	18	126	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.17	0.13	<0.48	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.2	0.13	<0.46	108	18	126	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.16	0.17	<0.87	108	18	126	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.14	0.18	<1	108	18	126	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.06	0.11	<0.72	108	18	126	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.058	0.09	<0.57	108	18	126	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.28	0.26	<1.2	108	18	126	0	0%	0	0%	5	4%	18,000,000	0	0%
Chloroform	ug/kg	<0.1	0.09	<0.43	108	18	126	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1.1	0.62	<1.7	108	18	126	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.075	0.08	<0.38	108	18	126	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.062	0.10	<0.61	108	18	126	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0.14	<0.67	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.06	0.13	<0.89	108	18	126	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.14	0.12	<0.55	108	18	126	0	0%	0	0%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.089	0.13	<0.79	108	18	126	0	0%	0	0%	5	4%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.024	0.08	<0.59	108	18	126	0	0%	0	0%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.27	1.02	7	108	18	126	3	2%	3	2%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.045	0.24	2.0	108	18	126	5	4%	5	4%	5	4%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.079	0.13	<0.78	108	18	126	0	0%	0	0%	6	5%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.05	0.10	<0.66	108	18	126	0	0%	0	0%	1	1%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.061	0.12	<0.78	108	18	126	0	0%	0	0%	6	5%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.046	0.11	<0.73	108	18	126	0	0%	0	0%	6	5%	1,600,000	0	0%
Styrene	ug/kg	<0.046	0.11	0.6	108	18	126	16	13%	16	13%	4	3%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.034	0.10	<0.67	108	18	126	0	0%	0	0%	2	2%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.06	0.16	5.5	108	18	126	8	6%	7	6%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.1	0.20	1.4	108	18	126	23	18%	23	18%	0	0%	2,200,000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.064	0.08	<0.45	108	18	126	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.078	0.08	<0.37	108	18	126	0	0%	0	0%	0	0%	110000	0	0%
Trichlorofluoromethane	ug/kg	<0.042	0.12	0.6	108	18	126	13	10%	13	10%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.045	0.14	<0.99	108	18	126	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.27	0.21	1.2	108	18	126	1	1%	1	1%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0.03	<0.65	108	18	126	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0.04	<1	108	18	126	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0.04	<1.2	108	18	126	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.04	<1.1	108	18	126	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0.02	<0.31	108	18	126	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0.01	<0.3	108	18	126	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0.01	<0.22	108	18	126	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	0.02	<0.23	108	18	126	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0.02	<0.38	108	18	126	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0.01	<0.19	108	18	126	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0.01	<0.28	108	18	126	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0.01	<0.26	108	18	126	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0.02	<0.41	108	18	126	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.01	<0.18	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.02	<0.29	108	18	126	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.017	0.02	<0.31	108	18	126	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0.02	<0.44	108	18	126	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0.11	<2.7	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0.10	<2.7	108	18	126	0	0%	0	0%	0	0%	180	0	0%
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0.01	<0.22	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0.01	<0.16	108	18	126	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-2. Area 2

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4-Chloro-3-Methylphenol	mg/kg	<0.011	0.01	<0.2	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.058	0.08	<1.6	108	18	126	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0.01	<0.26	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0.01	<0.22	108	18	126	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0.02	<0.34	108	18	126	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0.02	<0.46	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0.01	<0.22	108	18	126	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0.01	<0.21	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0.01	<0.17	108	18	126	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.01	<0.093	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0.01	<0.17	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.10	<1.1	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0.01	<0.27	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.043	0.11	<1.1	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.09	<2.7	108	18	126	0	0%	0	0%	1	1%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0.02	<0.37	108	18	126	0	0%	0	0%	7	6%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0.03	1.6	108	18	126	7	6%	7	6%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0.01	<0.32	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0.03	<0.8	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0.03	<0.77	108	18	126	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0.04	1.7	108	18	126	6	5%	6	5%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.25	0.14	<1.4	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.01	0.1	108	18	126	2	2%	2	2%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0.02	<0.27	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0.01	<0.23	108	18	126	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0.01	0.2	108	18	126	6	5%	6	5%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0.01	<0.22	108	18	126	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.01	0.1	108	18	126	8	6%	8	6%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0.01	<0.17	108	18	126	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.01	<0.097	108	18	126	0	0%	0	0%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.01	<0.21	108	18	126	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0.01	<0.18	108	18	126	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0.03	<0.77	108	18	126	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0.02	<0.38	108	18	126	0	0%	0	0%	5	4%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0.04	<1.1	108	18	126	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.01	<0.26	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0.01	<0.24	108	18	126	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0.01	<0.13	108	18	126	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0.02	<0.53	108	18	126	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0.02	<0.34	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0.02	<0.29	108	18	126	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.02	<0.6	108	18	126	0	0%	0	0%	0	0%	12000	0	0%
Phenanthrene	mg/kg	<0.014	0.01	0.3	108	18	126	2	2%	2	2%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0.01	<0.29	108	18	126	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.01	<0.21	108	18	126	0	0%	0	0%	0	0%	29,000	0	0%
TPH:																
Diesel Components	mg/kg	<0.84	113	4,300	108	18	126	47	37%	20	16%	0	0%	100	9	7%
Gasoline C4-C12	mg/kg	<0.79	1.9	8.5	108	18	126	4	3%	0	0%	1	1%	100	0	0%
Motor Oils	mg/kg	<1.9	345	13,000	108	18	126	91	72%	66	52%	0	0%	100	14	11%
Pesticide:																
Aldrin	ug/kg	<0.21	0.16	4.3	108	18	126	3	2%	3	2%	0	0%	18,000	0	0%
Alpha BHC (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.68	26	108	18	126	15	12%	13	10%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.56	0.42	12.0	108	18	126	1	1%	1	1%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<1	0.74	<21	108	18	126	0	0%	0	0%	0	0%	NA	0	0%
Beta BHC (Beta Hexachlorocyclohexane)	ug/kg	<0.28	0.33	12.0	108	18	126	5	4%	4	3%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.79	0.63	16.0	108	18	126	2	2%	2	2%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-2. Area 2

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Delta BHC (Delta Hexachlorocyclohexane)	ug/kg	<0.3	0.36	7.7	108	18	126	9	7%	9	7%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.63	0.50	13.0	108	18	126	5	4%	4	3%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<2.4	1.75	<50	108	18	126	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.68	0.65	16	108	18	126	4	3%	4	3%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<2.4	1.77	<50	108	18	126	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<2.5	2.03	51	108	18	126	2	2%	2	2%	0	0%	NA	0	0%
Gamma BHC (Lindane)	ug/kg	<0.2	0.20	4.3	108	18	126	4	3%	3	2%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<1	0.74	<21	108	18	126	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.36	0.29	7.3	108	18	126	3	2%	2	2%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.27	0.33	11	108	18	126	4	3%	4	3%	0	0%	310,000	0	0%
Methoxychlor	ug/kg	<1.5	1.62	55	108	18	126	7	6%	7	6%	0	0%	8,000	0	0%
p,p-DDD	ug/kg	<1.9	4.16	160	108	18	126	8	6%	6	5%	0	0%	3100000	0	0%
p,p-DDE	ug/kg	<0.67	4.60	300	108	18	126	21	17%	8	6%	0	0%	NA	0	0%
p,p-DDT	ug/kg	<1.9	36.6	3,000	108	18	126	31	25%	20	16%	0	0%	NA	0	0%
Toxaphene	ug/kg	<82	59.4	<1700	108	18	126	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29	15.3	<34	108	18	126	0	0%	0	0%	1	1%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.1	3.8	<8.4	108	18	126	0	0%	0	0%	1	1%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.4	2.9	<6.4	108	18	126	0	0%	0	0%	1	1%	7,700,000	0	0%
Dalapon	ug/kg	<31	16.3	<36	108	18	126	0	0%	0	0%	1	1%	18,000,000	0	0%
Dicamba	ug/kg	<5.6	3.0	<6.5	108	18	126	0	0%	0	0%	1	1%	18,000,000	0	0%
Dichloroprop	ug/kg	<4.6	2.4	<5.4	108	18	126	0	0%	0	0%	1	1%	NA	0	0%
Dinoseb	ug/kg	<14	7.5	<16	108	18	126	0	0%	0	0%	20	16%	620000	0	0%
MCPA	ug/kg	<1400	736	<1600	108	18	126	0	0%	0	0%	1	1%	310,000	0	0%
MCPP	ug/kg	<840	490	2,600	108	18	126	1	1%	1	1%	1	1%	620,000	0	0%
Silvex (2,4,5-TP)	ug/kg	<6.9	3.6	<8.1	108	18	126	0	0%	0	0%	1	1%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	1.3	<37	108	18	126	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<21	14.5	<420	108	18	126	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<21	14.5	<420	108	18	126	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<21	14.5	<420	108	18	126	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<21	14.5	<420	108	18	126	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<21	14.5	<420	108	18	126	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	1.0	<28	108	18	126	0	0%	0	0%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<21	14.5	<420	108	18	126	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-3. Area 3

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	2,800	5,291	9,300	57	7	64	64	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	77	619	1,100	57	7	64	5	100%	4	80%	59	92%	410,000	0	0%
Arsenic	ug/kg	1,900	3,723	6,900	57	7	64	64	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	29,000	57,141	110,000	57	7	64	64	100%	0	0%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	150	286	630	57	7	64	64	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<1.4	3.1	10	57	7	64	30	47%	15	23%	0	0%	200,000	0	0%
Cadmium	ug/kg	160	354	580	57	7	64	64	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	2,300	5,206	14,000	57	7	64	64	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	2,500	14,359	71,000	57	7	64	64	100%	2	3%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	1,900	3,722	11,000	57	7	64	64	100%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	25,000	469,797	6,500,000	57	7	64	64	100%	5	8%	0	0%	41,000,000	0	0%
Iron	mg/kg	5,300	9,708	16,000	57	7	64	64	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	1,900	3,128	5,500	57	7	64	64	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	1,400	2,736	4,600	57	7	64	64	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	96,000	187,734	360,000	57	7	64	64	100%	2	3%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.01	0.22	57	7	64	39	61%	26	41%	0	0%	310	0	0%
Molybdenum	ug/kg	<160	1,811	10,000	57	7	64	47	73%	11	17%	0	0%	5,100,000	0	0%
Nickel	ug/kg	2,800	5,809	17,000	57	7	64	64	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	630	1,163	2,000	57	7	64	64	100%	0	0%	0	0%	NA	0	0%
Selenium	ug/kg	<160	338	1,400	57	7	64	34	53%	32	50%	0	0%	5,100,000	0	0%
Silver	ug/kg	<33	65	150	57	7	64	62	97%	60	94%	0	0%	5,100,000	0	0%
Sodium	mg/kg	81	393	970	57	7	64	64	100%	4	6%	0	0%	NA	0	0%
Thallium	ug/kg	16	124	1,900	57	7	64	64	100%	64	100%	0	0%	67,000	0	0%
Thorium-232	mg/kg	4.8	6.3	10	51	6	57	57	100%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	1.1	1.5	4.3	51	6	57	57	100%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	8,600	14,067	22,000	57	7	64	64	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	9,300	18,583	37,000	57	7	64	64	100%	0	0%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	<0.2	0.8	1.6	51	6	57	41	72%	2	4%	0	0%	3.7	0	0%
Radium-228	pCi/g	<0.2	0.8	3.4	51	6	57	26	46%	3	5%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	2.0	16	57	7	64	39	61%	4	6%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-7	15	31	57	7	64	64	100%	2	3%	0	0%	NA	0	0%
Neutralization Potential	t/kt	5	16	34	57	7	64	64	100%	2	3%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.036	0.02	<0.061	57	7	64	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.061	0.04	<0.1	57	7	64	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.074	0.05	<0.13	57	7	64	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.17	0.11	<0.29	57	7	64	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.051	0.03	<0.086	57	7	64	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.081	0.05	<0.14	57	7	64	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.031	0.02	<0.052	57	7	64	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.059	0.04	<0.1	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.1	0.06	<0.17	57	7	64	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.073	0.05	<0.12	57	7	64	0	0%	0	0%	1	2%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.044	0.07	0.66	57	7	64	2	3%	2	3%	1	2%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.48	0.30	<0.82	57	7	64	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.065	0.04	<0.11	57	7	64	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.066	0.04	<0.11	57	7	64	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.091	0.06	<0.16	57	7	64	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.056	0.04	<0.095	57	7	64	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.049	0.03	0.08	57	7	64	1	2%	1	2%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.061	0.04	<0.1	57	7	64	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.053	0.03	0.09	57	7	64	1	2%	1	2%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.065	0.04	<0.11	57	7	64	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-3. Area 3

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.057	0.04	<0.097	57	7	64	0	0%	0	0%	1	2%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.035	0.02	<0.06	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.056	0.04	<0.095	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.044	0.05	0.28	57	7	64	11	17%	11	17%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.086	0.05	<0.15	57	7	64	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.16	0.10	<0.27	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.19	0.12	<0.32	57	7	64	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.15	0.10	<0.26	57	7	64	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.13	0.08	<0.23	57	7	64	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.057	0.04	<0.097	57	7	64	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.055	0.03	<0.094	57	7	64	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.26	0.16	<0.44	57	7	64	0	0%	0	0%	1	2%	18,000,000	0	0%
Chloroform	ug/kg	<0.096	0.06	<0.16	57	7	64	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1	0.63	<1.7	57	7	64	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.072	0.05	<0.12	57	7	64	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.059	0.04	<0.1	57	7	64	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.13	0.08	<0.22	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.057	0.04	<0.097	57	7	64	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.13	0.09	0.35	57	7	64	1	2%	1	2%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.085	0.05	<0.14	57	7	64	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.022	0.01	<0.038	57	7	64	0	0%	0	0%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.26	0.20	1.60	57	7	64	2	3%	2	3%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.044	0.04	0.43	57	7	64	2	3%	2	3%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.076	0.05	<0.13	57	7	64	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.047	0.03	<0.08	57	7	64	0	0%	0	0%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.058	0.04	<0.099	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.044	0.03	<0.075	57	7	64	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.044	0.03	0.08	57	7	64	1	2%	1	2%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.032	0.02	<0.055	57	7	64	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.057	0.04	<0.097	57	7	64	0	0%	0	0%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.1	0.11	0.63	57	7	64	16	25%	16	25%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.061	0.04	<0.1	57	7	64	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.074	0.05	<0.13	57	7	64	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.04	0.27	7.7	57	7	64	8	13%	7	11%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.043	0.03	<0.072	57	7	64	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.25	0.22	0.73	57	7	64	9	14%	9	14%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0.06	<0.26	57	7	64	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0.10	<0.29	57	7	64	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0.10	<0.29	57	7	64	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.09	<0.27	57	7	64	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0.03	<0.2	57	7	64	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0.03	<0.22	57	7	64	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0.03	<0.22	57	7	64	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	0.05	<0.32	57	7	64	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0.05	<0.19	57	7	64	0	0%	0	0%	1	2%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0.03	<0.23	57	7	64	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0.04	<0.23	57	7	64	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0.03	<0.22	57	7	64	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0.04	<0.25	57	7	64	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.03	<0.25	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.04	<0.23	57	7	64	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.016	0.04	<0.24	57	7	64	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0.05	<0.29	57	7	64	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0.20	<0.54	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0.19	<0.54	57	7	64	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-3. Area 3

	Unit	Minimum	Average(1)	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG(2)	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0.03	<0.19	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0.02	0.210	57	7	64	1	2%	1	2%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.011	0.03	<0.23	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.046	0.12	<0.33	57	7	64	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0.03	<0.19	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0.03	<0.23	57	7	64	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0.04	<0.19	57	7	64	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0.05	<0.19	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0.03	<0.22	57	7	64	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0.03	<0.24	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0.03	<0.19	57	7	64	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.02	<0.16	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0.03	<0.22	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.04	<0.25	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0.04	<0.32	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.042	0.04	<0.25	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.21	0.540	57	7	64	2	3%	2	3%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0.04	<0.26	57	7	64	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0.02	<0.19	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0.04	<0.23	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0.06	<0.16	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0.08	<0.32	57	7	64	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0.04	0.270	57	7	64	4	6%	4	6%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.2	0.13	<0.27	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.02	<0.18	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0.04	<0.27	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0.03	<0.21	57	7	64	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0.03	<0.21	57	7	64	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0.03	<0.21	57	7	64	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.02	<0.21	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0.03	<0.22	57	7	64	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.02	<0.2	57	7	64	0	0%	0	0%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.03	<0.2	57	7	64	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0.03	<0.23	57	7	64	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0.07	<0.27	57	7	64	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0.05	<0.34	57	7	64	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0.10	<0.31	57	7	64	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.04	<0.27	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0.03	<0.23	57	7	64	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0.03	<0.25	57	7	64	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0.06	<0.26	57	7	64	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.016	0.04	<0.26	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0.04	<0.21	57	7	64	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.06	<0.22	57	7	64	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.02	<0.19	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0.04	<0.23	57	7	64	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.03	<0.16	57	7	64	0	0%	0	0%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.83	0.9	4.9	57	7	64	23	36%	10	16%	0	0%	100	0	0%
Gasoline C4-C12	mg/kg	<1.1	2.1	<7.2	57	7	64	0	0%	0	0%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	3.6	20	57	7	64	35	55%	31	48%	0	0%	100	0	0%
Pesticide:																
Aldrin	ug/kg	<0.21	0.12	0.85	57	7	64	2	3%	2	3%	0	0%	18,000	0	0%
Alpha BHC (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.19	5.30	57	7	64	1	2%	1	2%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.21	0.27	0.60	57	7	64	1	2%	1	2%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.027	0.18	1.10	57	7	64	1	2%	1	2%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-3. Area 3

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta BHC (Beta Hexachlorocyclohexane)	ug/kg	<0.28	0.17	0.99	57	7	64	2	3%	2	3%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.31	0.37	<0.83	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Delta BHC (Delta Hexachlorocyclohexane)	ug/kg	<0.3	0.29	7.10	57	7	64	3	5%	3	5%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.31	0.30	<0.67	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.31	1.10	2.60	57	7	64	1	2%	1	2%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.41	0.36	1.10	57	7	64	2	3%	2	3%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.52	1.15	<2.6	57	7	64	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.31	1.18	3.50	57	7	64	2	3%	2	3%	0	0%	NA	0	0%
Gamma BHC (Lindane)	ug/kg	<0.2	0.25	9.80	57	7	64	1	2%	1	2%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.27	0.22	1.10	57	7	64	1	2%	1	2%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.21	0.17	<0.38	57	7	64	0	0%	0	0%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.21	0.14	0.55	57	7	64	1	2%	1	2%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	0.84	7.7	57	7	64	2	3%	2	3%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.31	0.90	2.0	57	7	64	2	3%	2	3%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.21	0.43	7.8	57	7	64	2	3%	2	3%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.42	1.12	13	57	7	64	2	3%	2	3%	0	0%	NA	0	0%
Toxaphene	ug/kg	<52	41.6	130	57	7	64	1	2%	1	2%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29	15.1	<31.5	57	7	64	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.2	3.7	<7.72	57	7	64	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.5	2.8	<5.9	57	7	64	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31	16.1	<33.7	57	7	64	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.6	2.9	<6.09	57	7	64	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.7	2.6	<22	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.4	7.8	<27	57	7	64	0	0%	0	0%	16	25%	620,000	0	0%
MCPA	ug/kg	<1400	722	<1520	57	7	64	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<850	454	<2100	57	7	64	0	0%	0	0%	0	0%	620,000	0	0%
Silvex (2,4,5-TP)	ug/kg	<7	3.6	<7.5	57	7	64	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	1.4	<10	57	7	64	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<4.7	9.5	<22	57	7	64	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<6.2	9.6	<22	57	7	64	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<17	10.3	<22	57	7	64	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<10	9.9	<22	57	7	64	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<17	10.3	<22	57	7	64	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	1.5	<15	57	7	64	0	0%	0	0%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<1.6	9.3	<22	57	7	64	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-4. Area 4

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	1,900	5,108	8,100	46	6	52	52	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	22	218	2,200	46	6	52	17	100%	16	94%	35	67%	410,000	0	0%
Arsenic	ug/kg	2,000	6,527	34,000	46	6	52	52	100%	2	4%	0	0%	260,000	0	0%
Barium	ug/kg	24,000	65,404	370,000	46	6	52	52	100%	0	0%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	47	240	490	46	6	52	52	100%	2	4%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.59	2.6	6.9	46	6	52	43	83%	41	79%	0	0%	200,000	0	0%
Cadmium	ug/kg	110	295	1,100	46	6	52	52	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	580	5,515	15,000	46	6	52	52	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	2,100	5,517	42,000	46	6	52	52	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	960	4,324	19,000	46	6	52	52	100%	2	4%	0	0%	13,000,000	0	0%
Copper	ug/kg	16,000	632,096	6,100,000	46	6	52	52	100%	3	6%	0	0%	41,000,000	0	0%
Iron	mg/kg	6,100	11,877	60,000	46	6	52	52	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	2,200	21,777	340,000	46	6	52	52	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	810	2,694	5,000	46	6	52	52	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	21,000	139,135	290,000	46	6	52	52	100%	2	4%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00095	0.9	23	46	6	52	25	48%	11	21%	0	0%	310	0	0%
Molybdenum	ug/kg	110	597	3,600	46	6	52	52	100%	31	60%	0	0%	5,100,000	0	0%
Nickel	ug/kg	1,400	6,802	55,000	46	6	52	52	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	490	1,115	2,700	46	6	52	52	100%	3	6%	0	0%	NA	0	0%
Selenium	ug/kg	<170	5,473	110,000	46	6	52	24	46%	10	19%	0	0%	5,100,000	0	0%
Silver	ug/kg	<37	88	480	46	6	52	36	69%	25	48%	0	0%	5,100,000	0	0%
Sodium	mg/kg	71	217	720	46	6	52	52	100%	2	4%	0	0%	NA	0	0%
Thallium	ug/kg	4.2	338	4,700	46	6	52	52	100%	43	83%	0	0%	67,000	0	0%
Thorium-232	mg/kg	4.4	7.7	40	41	6	47	47	100%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	1.1	1.7	11	41	6	47	47	100%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	8,200	13,096	26,000	46	6	52	52	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	11,000	24,846	90,000	46	6	52	52	100%	0	0%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	<0.8	2.2	18	41	6	47	45	96%	2	4%	0	0%	3.7	5	11%
Radium-228	pCi/g	<0.4	1.6	5.5	41	6	47	44	94%	4	9%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	2.3	22	46	6	52	19	37%	2	4%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-20	8.2	37	46	6	52	52	100%	0	0%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	10	37	46	6	52	48	92%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.04	0.02	<0.049	46	6	52	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.068	0.04	<0.084	46	6	52	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.083	0.05	<0.1	46	6	52	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.19	0.11	<0.23	46	6	52	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.057	0.03	<0.07	46	6	52	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.09	0.05	<0.11	46	6	52	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.034	0.02	<0.042	46	6	52	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.066	0.04	<0.081	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.11	0.06	<0.14	46	6	52	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.082	0.05	<0.1	46	6	52	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.049	0.03	0.19	46	6	52	1	2%	1	2%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.54	0.30	<0.67	46	6	52	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.073	0.04	<0.09	46	6	52	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.073	0.04	<0.091	46	6	52	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.1	0.06	<0.13	46	6	52	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.063	0.04	<0.077	46	6	52	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.054	0.03	0.07	46	6	52	1	2%	1	2%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.068	0.04	<0.084	46	6	52	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.059	0.03	<0.073	46	6	52	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.073	0.04	<0.09	46	6	52	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-4. Area 4

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.063	0.04	<0.078	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.039	0.02	<0.048	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.063	0.04	<0.077	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.048	0.03	0.27	46	6	52	2	4%	2	4%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.096	0.06	0.19	46	6	52	1	2%	1	2%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.18	0.10	<0.22	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.21	0.12	<0.26	46	6	52	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.17	0.10	<0.21	46	6	52	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.15	0.08	<0.18	46	6	52	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.063	0.04	<0.078	46	6	52	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.062	0.03	<0.076	46	6	52	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.29	0.16	<0.36	46	6	52	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.11	0.06	<0.13	46	6	52	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1.1	0.63	<1.4	46	6	52	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.08	0.04	<0.099	46	6	52	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.066	0.04	<0.081	46	6	52	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0.08	<0.18	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.063	0.05	0.29	46	6	52	1	2%	1	2%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.15	0.08	<0.18	46	6	52	0	0%	0	0%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.094	0.05	<0.12	46	6	52	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.025	0.01	0.03	46	6	52	1	2%	1	2%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.29	0.31	2.00	46	6	52	10	19%	10	19%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.048	0.03	<0.23	46	6	52	0	0%	0	0%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.084	0.05	<0.1	46	6	52	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.053	0.03	<0.065	46	6	52	0	0%	0	0%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.065	0.04	0.20	46	6	52	1	2%	1	2%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.049	0.03	<0.061	46	6	52	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.049	0.03	0.20	46	6	52	2	4%	2	4%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.036	0.02	<0.044	46	6	52	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.063	0.04	<0.078	46	6	52	0	0%	0	0%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.11	0.08	0.49	46	6	52	2	4%	2	4%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.068	0.04	<0.084	46	6	52	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.083	0.05	<0.1	46	6	52	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.044	0.02	<0.055	46	6	52	0	0%	0	0%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.048	0.03	<0.059	46	6	52	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.28	0.17	0.85	46	6	52	1	2%	1	2%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.047	0.13	<1.2	46	6	52	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.19	0.18	<2	46	6	52	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.12	0.16	<2.2	46	6	52	0	0%	0	0%	1	2%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.16	<2.1	46	6	52	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.018	0.09	<0.94	46	6	52	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.022	0.09	<1	46	6	52	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.019	0.09	<1	46	6	52	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.043	0.12	<1	46	6	52	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.07	0.09	<0.7	46	6	52	0	0%	0	0%	1	2%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.025	0.09	<1.1	46	6	52	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.053	0.11	<1.1	46	6	52	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.019	0.09	<1	46	6	52	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.03	0.11	<1.2	46	6	52	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.034	0.10	<1.2	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.053	0.10	<1.1	46	6	52	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0.10	<1.1	46	6	52	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.08	0.13	<1.4	46	6	52	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.13	0.23	<5.1	46	6	52	0	0%	0	0%	1	2%	NA	0	0%
3-Nitroaniline	mg/kg	<0.079	0.21	<5.1	46	6	52	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-4. Area 4

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.042	0.08	<0.89	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.017	0.08	<0.99	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.019	0.09	<1.1	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.044	0.15	<3.1	46	6	52	0	0%	0	0%	1	2%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.047	0.09	<0.89	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.041	0.10	<1.1	46	6	52	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.063	0.09	<0.89	46	6	52	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.075	0.10	<0.89	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.023	0.09	<1	46	6	52	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.04	0.10	<1.1	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.031	0.09	<0.89	46	6	52	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.017	0.10	1.8	46	6	52	2	4%	2	4%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.032	0.13	1.7	46	6	52	2	4%	2	4%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.15	3.1	46	6	52	2	4%	1	2%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.024	0.13	0.9	46	6	52	1	2%	1	2%	1	2%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.042	0.11	1.2	46	6	52	1	2%	1	2%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.17	0.25	5.1	46	6	52	2	4%	2	4%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.017	0.10	<0.7	46	6	52	0	0%	0	0%	1	2%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.028	0.08	<0.89	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.059	0.11	<1.1	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.044	0.08	<1.5	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.12	0.16	<1.5	46	6	52	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.047	0.17	1.3	46	6	52	7	13%	5	10%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.2	0.10	<0.99	38	6	44	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.022	0.12	2.6	46	6	52	2	4%	1	2%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.023	0.11	<1.3	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.042	0.09	<0.99	46	6	52	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.039	0.10	<0.99	46	6	52	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.025	0.09	<0.99	46	6	52	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.014	0.08	<0.99	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.031	0.09	<1	46	6	52	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.018	0.15	3.5	46	6	52	3	6%	2	4%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.025	0.08	<0.94	46	6	52	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.019	0.09	<1.1	46	6	52	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.062	0.14	<1.4	46	6	52	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.02	0.13	<0.72	46	6	52	0	0%	0	0%	1	2%	3,700	0	0%
Hexachloroethane	mg/kg	<0.13	0.17	<2	46	6	52	0	0%	0	0%	1	2%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.017	0.12	1.3	46	6	52	1	2%	1	2%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.02	0.09	<1.1	46	6	52	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.017	0.10	<1.2	46	6	52	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.098	0.13	<1.2	46	6	52	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.021	0.11	<1.2	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.054	0.10	<0.99	46	6	52	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.081	0.12	<1.1	46	6	52	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.022	0.13	2.1	46	6	52	2	4%	2	4%	0	0%	NA	0	0%
Phenol	mg/kg	<0.053	0.10	<1.1	46	6	52	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.023	0.12	2.6	46	6	52	3	6%	2	4%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.84	110	3,100	46	6	52	26	50%	6	12%	0	0%	100	3	6%
Gasoline C4-C12	mg/kg	<0.81	0.82	2.5	46	6	52	9	20%	9	20%	8	15%	100	0	0%
Motor Oils	mg/kg	<1.9	235	9,200	46	6	52	31	60%	13	25%	0	0%	100	9	17%
Pesticide:																
Aldrin	ug/kg	<0.21	0.16	<1.1	46	6	52	0	0%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.21	3.0	46	6	52	1	2%	1	2%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.26	0.26	<1.4	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.27	0.27	<1.4	46	6	52	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-4. Area 4

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.15	0.19	3.0	46	6	52	1	2%	1	2%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.33	0.36	2.0	46	6	52	1	2%	0	0%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.11	0.12	<0.64	46	6	52	0	0%	0	0%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.18	0.21	<0.96	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.43	0.67	8.2	46	6	52	1	2%	1	2%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.18	0.30	4.8	46	6	52	1	2%	1	2%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.59	1.15	29	46	6	52	1	2%	1	2%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.43	0.56	<2.6	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.14	0.12	<0.63	46	6	52	0	0%	0	0%	1	2%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.3	0.29	<1.5	46	6	52	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.28	0.28	3.3	46	6	52	2	4%	2	4%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.1	0.19	2.7	46	6	52	1	2%	1	2%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	1.07	33	46	6	52	1	2%	1	2%	0	0%	8,000	0	0%
P,P'-Ddd	ug/kg	<0.18	0.55	6.3	46	6	52	2	4%	0	0%	0	0%	3,100,000	0	0%
P,P'-Dde	ug/kg	<0.13	1.05	18	46	6	52	5	10%	3	6%	0	0%	NA	0	0%
P,P'-Ddt	ug/kg	<0.1	2.00	35	46	6	52	10	19%	6	12%	0	0%	NA	0	0%
Toxaphene	ug/kg	<12	17.9	<100	46	6	52	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<10	17.3	<302	46	6	52	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.3	6.1	<74	46	6	52	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.55	5.8	<56.2	46	6	52	0	0%	0	0%	1	2%	7,700,000	0	0%
Dalapon	ug/kg	<10	18.5	<323	46	6	52	0	0%	0	0%	1	2%	18,000,000	0	0%
Dicamba	ug/kg	<5.76	5.9	<58.3	46	6	52	0	0%	0	0%	1	2%	18000000	0	0%
Dichloroprop	ug/kg	<4.73	4.2	<50	46	6	52	0	0%	0	0%	1	2%	NA	0	0%
Dinoseb	ug/kg	<14.4	19.6	<200	46	6	52	0	0%	0	0%	0	0%	620,000	0	0%
MCPA	ug/kg	<1440	915	<14600	46	6	52	0	0%	0	0%	7	13%	310,000	0	0%
MCPP	ug/kg	<863	569	<8750	46	6	52	0	0%	0	0%	6	12%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7.09	6.5	<71.9	46	6	52	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	4.6	<31	46	6	52	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<10	7.4	<53	46	6	52	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<12	8.3	<95	46	6	52	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<9.9	7.3	<49	46	6	52	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<12	8.2	<68	46	6	52	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<12	116	5,600	46	6	52	2	4%	1	2%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	4.9	<34	46	6	52	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-5. Area 5

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	3,200	5,821	14,000	60	6	66	66	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	NA	NA	NA	60	6	66	0	0%	0	0%	66	100%	410,000	0	0%
Arsenic	ug/kg	1,600	5,311	63,000	60	6	66	66	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	21,000	55,758	250,000	60	6	66	66	100%	1	2%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	49	250	620	60	6	66	66	100%	3	5%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.018	2.5	8	60	6	66	42	64%	32	48%	0	0%	200,000	0	0%
Cadmium	ug/kg	<110	402	1,300	60	6	66	62	94%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	2,200	5,918	23,000	60	6	66	66	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	1,900	4,527	17,000	60	6	66	66	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	1,300	4,350	29,000	60	6	66	66	100%	2	3%	0	0%	13,000,000	0	0%
Copper	ug/kg	21,000	1,936,682	44,000,000	60	6	66	66	100%	4	6%	0	0%	41,000,000	1	2%
Iron	mg/kg	5,700	10,971	21,000	60	6	66	66	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	1,700	13,129	170,000	60	6	66	66	100%	2	3%	0	0%	NA	0	0%
Magnesium	mg/kg	1,600	2,967	6,500	60	6	66	66	100%	2	3%	0	0%	NA	0	0%
Manganese	ug/kg	29,000	162,606	520,000	60	6	66	66	100%	1	2%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.08	1.1	60	6	66	50	76%	36	55%	0	0%	310	0	0%
Molybdenum	ug/kg	<77	527	6,000	60	6	66	44	67%	15	23%	0	0%	5,100,000	0	0%
Nickel	ug/kg	2,100	8,398	110,000	60	6	66	66	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	160	1,226	2,800	60	6	66	66	100%	2	3%	0	0%	NA	0	0%
Selenium	ug/kg	<160	678	5,700	60	6	66	48	73%	37	56%	0	0%	5,100,000	0	0%
Silver	ug/kg	<23	81	330	60	6	66	61	92%	54	82%	0	0%	5,100,000	0	0%
Sodium	mg/kg	66	236	550	60	6	66	66	100%	3	5%	0	0%	NA	0	0%
Thallium	ug/kg	<5.2	86	520	60	6	66	65	98%	63	95%	0	0%	67,000	0	0%
Thorium-232	mg/kg	1.0	7.5	17	60	6	66	66	100%	2	3%	0	0%	174	0	0%
Uranium	mg/kg	<0.5	2.5	22	60	6	66	65	98%	2	3%	0	0%	200	0	0%
Vanadium	ug/kg	7,500	14,155	26,000	60	6	66	66	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	8,200	24,958	270,000	60	6	66	66	100%	8	12%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	0.5	1.6	5.0	60	6	66	66	100%	2	3%	0	0%	3.7	5	8%
Radium-228	pCi/g	<0.2	1.6	3.2	60	6	66	64	97%	2	3%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	3.3	17	60	6	66	36	55%	4	6%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-14	10	50	60	6	66	66	100%	6	9%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	14	51	60	6	66	65	98%	2	3%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.035	0.02	<0.057	60	6	66	0	0%	0	0%	1	2%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.059	0.04	<0.096	60	6	66	0	0%	0	0%	1	2%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.072	0.05	<0.12	60	6	66	0	0%	0	0%	7	11%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.16	0.11	<0.27	60	6	66	0	0%	0	0%	1	2%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.05	0.03	<0.073	60	6	66	0	0%	0	0%	8	12%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.079	0.05	<0.13	60	6	66	0	0%	0	0%	1	2%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.03	0.02	<0.049	60	6	66	0	0%	0	0%	1	2%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.058	0.04	<0.094	60	6	66	0	0%	0	0%	1	2%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.097	0.06	<0.15	60	6	66	0	0%	0	0%	7	11%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.071	0.04	<0.11	60	6	66	0	0%	0	0%	8	12%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.048	0.11	<1.4	60	6	66	0	0%	0	0%	1	2%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.47	0.32	1.60	60	6	66	1	2%	1	2%	1	2%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.063	0.04	<0.1	60	6	66	0	0%	0	0%	1	2%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.064	0.04	<0.095	60	6	66	0	0%	0	0%	8	12%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.089	0.06	<0.15	60	6	66	0	0%	0	0%	1	2%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.055	0.03	<0.081	60	6	66	0	0%	0	0%	8	12%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.047	0.04	<0.29	60	6	66	0	0%	0	0%	1	2%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.059	0.04	<0.088	60	6	66	0	0%	0	0%	8	12%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.052	0.03	<0.077	60	6	66	0	0%	0	0%	8	12%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.063	0.04	<0.094	60	6	66	0	0%	0	0%	8	12%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-5. Area 5

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.055	0.04	<0.09	60	6	66	0	0%	0	0%	1	2%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.034	0.02	<0.051	60	6	66	0	0%	0	0%	8	12%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.055	0.03	<0.081	60	6	66	0	0%	0	0%	8	12%	NA	0	0%
Benzene	ug/kg	<0.041	0.03	0.13	60	6	66	2	3%	1	2%	8	12%	120,000	0	0%
Bromobenzene	ug/kg	<0.084	0.05	<0.12	60	6	66	0	0%	0	0%	8	12%	92,000	0	0%
Bromochloromethane	ug/kg	<0.16	0.10	<0.26	60	6	66	0	0%	0	0%	1	2%	NA	0	0%
Bromodichloromethane	ug/kg	<0.18	0.12	<0.3	60	6	66	0	0%	0	0%	1	2%	810,000	0	0%
Bromoform	ug/kg	<0.15	0.10	<0.25	60	6	66	0	0%	0	0%	1	2%	12,000,000	0	0%
Bromomethane	ug/kg	<0.13	0.08	<0.21	60	6	66	0	0%	0	0%	1	2%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.055	0.04	<0.09	60	6	66	0	0%	0	0%	2	3%	7,300	0	0%
Chlorobenzene	ug/kg	<0.054	0.03	<0.088	60	6	66	0	0%	0	0%	1	2%	530,000	0	0%
Chloroethane	ug/kg	<0.25	0.16	<0.42	60	6	66	0	0%	0	0%	1	2%	18,000,000	0	0%
Chloroform	ug/kg	<0.093	0.06	0.23	60	6	66	1	2%	1	2%	1	2%	190,000	0	0%
Chloromethane	ug/kg	<0.98	0.63	<1.6	60	6	66	0	0%	0	0%	1	2%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.07	0.04	<0.11	60	6	66	0	0%	0	0%	1	2%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.058	0.04	<0.094	60	6	66	0	0%	0	0%	1	2%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.13	0.08	<0.21	60	6	66	0	0%	0	0%	1	2%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.055	0.04	<0.09	60	6	66	0	0%	0	0%	1	2%	310,000	0	0%
Ethylbenzene	ug/kg	<0.13	0.09	0.43	60	6	66	1	2%	1	2%	1	2%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.082	0.05	<0.12	60	6	66	0	0%	0	0%	8	12%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.022	0.01	<0.036	60	6	66	0	0%	0	0%	1	2%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.25	0.38	2.60	60	6	66	13	20%	13	20%	1	2%	9,300,000	0	0%
Naphthalene	ug/kg	<0.041	0.06	<0.84	60	6	66	0	0%	0	0%	1	2%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.074	0.05	<0.19	60	6	66	0	0%	0	0%	1	2%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.046	0.03	<0.17	60	6	66	0	0%	0	0%	2	3%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.057	0.04	<0.084	60	6	66	0	0%	0	0%	8	12%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.043	0.03	<0.064	60	6	66	0	0%	0	0%	8	12%	1,600,000	0	0%
Styrene	ug/kg	<0.043	0.03	<0.07	60	6	66	0	0%	0	0%	1	2%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.031	0.02	0.21	60	6	66	1	2%	1	2%	7	11%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.055	0.04	0.24	60	6	66	1	2%	1	2%	1	2%	130,000	0	0%
Toluene	ug/kg	<0.097	0.16	1.50	60	6	66	18	27%	18	27%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.059	0.04	<0.096	60	6	66	0	0%	0	0%	1	2%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.072	0.05	<0.21	60	6	66	0	0%	0	0%	1	2%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.039	0.29	3.50	60	6	66	17	26%	17	26%	1	2%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.041	0.03	<0.068	60	6	66	0	0%	0	0%	1	2%	140,000	0	0%
Xylenes, Total	ug/kg	<0.25	0.27	2.90	60	6	66	1	2%	1	2%	1	2%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.047	0.07	<0.27	60	6	66	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.2	0.13	<1	60	6	66	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.12	0.11	<0.61	60	6	66	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.07	<0.29	60	6	66	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.018	0.04	<0.21	60	6	66	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.022	0.04	<0.23	60	6	66	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.019	0.04	<0.23	60	6	66	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.044	0.13	<1.5	60	6	66	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.072	0.09	<0.93	60	6	66	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.025	0.04	<0.24	60	6	66	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.054	0.07	<0.48	60	6	66	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.019	0.04	<0.23	60	6	66	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.03	0.05	<0.26	60	6	66	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.035	0.05	<0.26	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.054	0.05	<0.28	60	6	66	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0.04	<0.25	60	6	66	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.08	0.07	<0.41	60	6	66	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.13	0.15	<0.68	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.079	0.13	<0.6	60	6	66	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-5. Area 5

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.043	0.05	<0.31	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.017	0.03	<0.22	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.019	0.04	<0.24	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.044	0.08	<0.36	60	6	66	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.049	0.06	<0.43	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.042	0.05	<0.24	60	6	66	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.065	0.06	<0.4	60	6	66	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.075	0.06	<0.38	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.023	0.04	<0.23	60	6	66	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.041	0.05	<0.25	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.032	0.07	<0.59	60	6	66	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.018	0.03	0.17	60	6	66	1	2%	1	2%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.033	0.07	<0.53	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.07	0.64	60	6	66	1	2%	1	2%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.024	0.05	<0.33	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.043	0.05	<0.28	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.18	0.19	1.20	60	6	66	2	3%	2	3%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.017	0.05	<0.27	60	6	66	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.029	0.04	<0.25	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.061	0.07	<0.57	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.044	0.05	<0.22	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.12	0.10	<0.6	60	6	66	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.037	0.06	0.49	60	6	66	2	3%	2	3%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.2	0.43	<6	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.023	0.04	0.21	60	6	66	1	2%	1	2%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.023	0.05	<0.29	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.044	0.05	<0.32	60	6	66	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.04	0.07	<0.54	60	6	66	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.025	0.04	<0.22	60	6	66	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.014	0.03	<0.22	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.032	0.04	<0.23	60	6	66	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.018	0.06	0.54	60	6	66	1	2%	1	2%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.025	0.04	<0.21	60	6	66	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.019	0.04	<0.24	60	6	66	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.062	0.08	<0.32	60	6	66	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.02	0.06	<0.35	60	6	66	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.13	0.11	<0.68	60	6	66	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.017	0.05	<0.29	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.02	0.04	<0.24	60	6	66	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.017	0.04	<0.26	60	6	66	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.1	0.08	<0.55	60	6	66	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.021	0.05	<0.27	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.055	0.06	<0.34	60	6	66	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.081	0.07	<0.41	60	6	66	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.022	0.03	<0.19	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Phenol	mg/kg	<0.055	0.05	<0.28	60	6	66	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.022	0.03	0.17	60	6	66	1	2%	1	2%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.84	12	440	60	6	66	23	35%	6	9%	0	0%	100	1	2%
Gasoline C4-C12	mg/kg	<0.84	2.0	<5.3	60	6	66	0	0%	0	0%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	45	1,000	60	6	66	22	33%	11	17%	0	0%	100	5	8%
Pesticide:																
Aldrin	ug/kg	<0.21	0.18	2.10	60	6	66	1	2%	1	2%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.24	3.30	60	6	66	2	3%	2	3%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.21	0.33	5.70	60	6	66	1	2%	1	2%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.21	0.48	<10	60	6	66	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-5. Area 5

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.28	0.20	<2.9	60	6	66	0	0%	0	0%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.31	0.44	8.00	60	6	66	1	2%	1	2%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.3	0.25	3.0	60	6	66	4	6%	4	6%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.31	0.36	6.4	60	6	66	2	3%	2	3%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.31	1.19	24.0	60	6	66	7	11%	7	11%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.41	0.37	<6.9	60	6	66	0	0%	0	0%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.52	0.99	2.6	60	6	66	1	2%	1	2%	1	2%	180,000	0	0%
Endrin Ketone	ug/kg	<0.31	1.12	<25	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.2	0.18	2.6	60	6	66	1	2%	1	2%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.31	0.50	<10	60	6	66	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.21	0.21	3.6	60	6	66	1	2%	1	2%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.21	0.20	2.7	60	6	66	3	5%	3	5%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.42	0.79	15.0	60	6	66	3	5%	3	5%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.31	0.90	19.0	60	6	66	1	2%	1	2%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.21	0.43	6.7	60	6	66	4	6%	4	6%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.41	1.26	19.0	60	6	66	5	8%	5	8%	0	0%	NA	0	0%
Toxaphene	ug/kg	<12	40.2	<830	60	6	66	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<20	14.8	<33	60	6	66	0	0%	0	0%	1	2%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.32	5.0	<30	60	6	66	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.57	4.7	<40	60	6	66	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<20	15.7	<35.2	60	6	66	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.77	4.8	<40	60	6	66	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.74	3.2	<20	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.4	17.4	200.0	60	6	66	1	2%	1	2%	0	0%	620,000	0	0%
MCPA	ug/kg	<1400	923	<5000	60	6	66	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<866	662	<5000	60	6	66	0	0%	0	0%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7.1	5.4	<40	60	6	66	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	1.7	<18	60	6	66	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<4.7	11.4	<210	60	6	66	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<6.2	11.9	<210	60	6	66	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<9.9	12.6	210	60	6	66	1	2%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<10	11.8	<210	60	6	66	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<14	12.4	210	60	6	66	1	2%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	1.7	<15	60	6	66	0	0%	0	0%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<1.6	12.0	<210	53	6	59	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-6. Area 6

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	3,000	5,391	11,000	50	6	56	56	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	24	66.6	170	50	6	56	7	100%	7	100%	49	88%	410,000	0	0%
Arsenic	ug/kg	2,200	3,205	6,400	50	6	56	56	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	24,000	52,464	99,000	50	6	56	56	100%	0	0%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	170	279	730	50	6	56	56	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<1.5	2.0	9.3	50	6	56	27	48%	27	48%	0	0%	200,000	0	0%
Cadmium	ug/kg	140	334	1,100	50	6	56	56	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	2,400	5,604	11,000	50	6	56	56	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	1,900	3,518	7,100	50	6	56	56	100%	2	4%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	2,200	3,293	7,700	50	6	56	56	100%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	27,000	101,911	430,000	50	6	56	56	100%	1	2%	0	0%	41,000,000	0	0%
Iron	mg/kg	7,200	9,225	14,000	50	6	56	56	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	2,000	3,264	5,800	50	6	56	56	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	1,700	2,818	4,600	50	6	56	56	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	100,000	178,214	490,000	50	6	56	56	100%	1	2%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.004	0.03	50	6	56	35	63%	29	52%	0	0%	310	0	0%
Molybdenum	ug/kg	<20	472	1,600	50	6	56	44	79%	10	18%	0	0%	5,100,000	0	0%
Nickel	ug/kg	2,600	4,121	9,200	50	6	56	56	100%	2	4%	0	0%	20,000,000	0	0%
Potassium	mg/kg	580	1,156	2,600	50	6	56	56	100%	0	0%	0	0%	NA	0	0%
Selenium	ug/kg	<160	267	660	50	6	56	39	70%	39	70%	0	0%	5,100,000	0	0%
Silver	ug/kg	<28	54	140	50	6	56	46	82%	45	80%	0	0%	5,100,000	0	0%
Sodium	mg/kg	150	356	860	50	6	56	56	100%	1	2%	0	0%	NA	0	0%
Thallium	ug/kg	<15	46	170	50	6	56	39	70%	39	70%	0	0%	67,000	0	0%
Thorium-232	mg/kg	4.9	7.2	15	47	5	52	52	100%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	1.0	1.6	2.8	47	5	52	52	100%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	8,100	12,571	21,000	50	6	56	56	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	10,000	17,018	42,000	50	6	56	56	100%	5	9%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	<1	1.6	2.5	47	5	52	51	98%	0	0%	0	0%	3.7	0	0%
Radium-228	pCi/g	<1	1.7	3.4	47	5	52	50	96%	1	2%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	0.8	3	50	6	56	17	30%	0	0%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	5	12	25	50	6	56	56	100%	2	4%	0	0%	NA	0	0%
Neutralization Potential	t/kt	6	13	26	50	6	56	56	100%	2	4%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.04	0.05	<0.5	50	6	56	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.067	0.05	<0.34	50	6	56	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.082	0.08	<0.68	50	6	56	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.19	0.13	<0.67	50	6	56	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.056	0.05	<0.33	50	6	56	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.089	0.07	<0.42	50	6	56	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.034	0.04	<0.39	50	6	56	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.065	0.11	<1.2	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.11	0.13	<1.5	50	6	56	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.081	0.10	<0.88	50	6	56	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.049	0.16	1.7	50	6	56	6	11%	6	11%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.53	0.34	<1.3	50	6	56	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.072	0.07	<0.58	50	6	56	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.073	0.08	<0.84	50	6	56	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.1	0.08	<0.51	50	6	56	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.062	0.05	0.27	50	6	56	1	2%	1	2%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.054	0.07	<0.65	50	6	56	0	0%	0	0%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.067	0.08	<0.74	50	6	56	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.059	0.06	<0.56	50	6	56	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.072	0.09	<0.83	50	6	56	0	0%	0	0%	0	0%	10,000,000	0	0%

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Table C1-6. Area 6

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2,2-Dichloropropane	ug/kg	<0.063	0.05	<0.4	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.039	0.07	<0.77	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.062	0.08	<0.74	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.047	0.06	0.75	50	6	56	1	2%	1	2%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.095	0.10	<0.74	50	6	56	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.18	0.12	<0.45	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.15	0.12	<0.43	50	6	56	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.17	0.12	<0.71	50	6	56	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.15	0.17	<1.9	50	6	56	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.063	0.06	0.58	50	6	56	1	2%	1	2%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.061	0.06	<0.46	50	6	56	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.29	0.19	<0.97	50	6	56	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.11	0.07	<0.35	50	6	56	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1	0.62	<2.3	50	6	56	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.079	0.07	<0.46	50	6	56	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.065	0.06	<0.5	50	6	56	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0.10	<0.55	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.063	0.07	<0.73	50	6	56	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.14	0.10	<0.48	50	6	56	0	0%	0	0%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.093	0.10	<0.88	50	6	56	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.025	0.05	<0.61	50	6	56	0	0%	0	0%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.23	0.61	5.70	50	6	56	14	25%	14	25%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.047	0.11	<1.4	50	6	56	0	0%	0	0%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.083	0.09	<0.71	50	6	56	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.052	0.07	<0.73	50	6	56	0	0%	0	0%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.064	0.08	<0.65	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.049	0.07	0.74	50	6	56	1	2%	1	2%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.049	0.06	0.51	50	6	56	4	7%	4	7%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.035	0.06	0.59	50	6	56	1	2%	1	2%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.063	0.06	<0.49	50	6	56	0	0%	0	0%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.11	0.15	0.80	50	6	56	13	23%	13	23%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.067	0.06	<0.46	50	6	56	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.082	0.07	<0.43	50	6	56	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.044	0.16	0.98	50	6	56	12	21%	12	21%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.047	0.07	<0.8	50	6	56	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.28	0.16	<0.66	46	6	52	0	0%	0	0%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.047	0.04	<0.13	50	6	56	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.2	0.10	<0.21	50	6	56	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.12	0.09	<0.23	50	6	56	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.06	<0.23	50	6	56	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.018	0.02	<0.061	50	6	56	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.022	0.02	<0.06	50	6	56	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.019	0.02	<0.044	50	6	56	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.044	0.09	<0.32	50	6	56	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.071	0.07	<0.2	50	6	56	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.025	0.02	<0.039	50	6	56	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.053	0.04	<0.1	50	6	56	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.019	0.02	<0.052	50	6	56	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.03	0.03	<0.082	50	6	56	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.034	0.02	<0.055	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.054	0.03	<0.059	50	6	56	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0.02	<0.061	50	6	56	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.08	0.04	<0.089	50	6	56	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.13	0.17	<0.54	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.079	0.15	<0.54	50	6	56	0	0%	0	0%	0	0%	180	0	0%

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Table C1-6. Area 6

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.042	0.03	<0.066	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.017	0.01	<0.032	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.019	0.01	<0.041	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.044	0.09	<0.33	50	6	56	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.048	0.03	<0.092	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.042	0.02	<0.047	50	6	56	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.064	0.04	<0.084	50	6	56	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.075	0.04	<0.093	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.023	0.02	0.12	50	6	56	2	4%	2	4%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.04	0.02	<0.046	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.031	0.04	<0.13	50	6	56	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.018	0.02	0.29	50	6	56	2	4%	2	4%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.032	0.04	0.27	50	6	56	2	4%	2	4%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.05	0.36	50	6	56	2	4%	2	4%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.024	0.02	0.10	50	6	56	2	4%	2	4%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.043	0.03	0.14	50	6	56	2	4%	2	4%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.24	0.19	<0.54	50	6	56	0	0%	0	0%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.017	0.02	<0.074	50	6	56	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.028	0.02	<0.053	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.06	0.04	<0.12	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.044	0.05	<0.16	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.12	0.07	<0.15	50	6	56	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.037	0.02	<0.05	50	6	56	0	0%	0	0%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.26	0.13	<0.28	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.023	0.02	0.31	50	6	56	2	4%	2	4%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.023	0.02	0.05	50	6	56	1	2%	1	2%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.043	0.03	<0.068	50	6	56	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.04	0.04	<0.12	50	6	56	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.025	0.02	<0.045	50	6	56	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.014	0.01	0.02	50	6	56	1	2%	1	2%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.032	0.02	<0.034	50	6	56	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.018	0.05	0.85	50	6	56	3	5%	3	5%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.025	0.02	0.08	50	6	56	1	2%	1	2%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.019	0.01	<0.036	50	6	56	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.062	0.05	<0.15	50	6	56	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.02	0.02	<0.077	50	6	56	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.13	0.09	<0.22	50	6	56	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.017	0.02	0.13	50	6	56	2	4%	2	4%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.02	0.02	<0.048	50	6	56	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.017	0.01	0.06	50	6	56	2	4%	2	4%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.1	0.05	<0.12	50	6	56	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.021	0.02	<0.068	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.054	0.03	<0.072	50	6	56	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.08	0.05	<0.12	50	6	56	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.022	0.03	0.69	50	6	56	4	7%	4	7%	0	0%	NA	0	0%
Phenol	mg/kg	<0.054	0.03	<0.059	50	6	56	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.022	0.03	0.51	50	6	56	4	7%	4	7%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.84	1.0	8	50	6	56	10	18%	3	5%	0	0%	100	0	0%
Gasoline C4-C12	mg/kg	<0.83	1.4	5.5	50	6	56	3	5%	3	5%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	4.2	39	50	6	56	18	32%	12	21%	0	0%	100	0	0%
Pesticide:																
Aldrin	ug/kg	<0.21	0.11	<0.23	50	6	56	0	0%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.09	<0.2	50	6	56	0	0%	0	0%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.26	0.27	<0.61	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.27	0.48	<1.1	50	6	56	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-6. Area 6

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.15	0.15	0.47	50	6	56	2	4%	2	4%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.33	0.38	<0.85	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.11	0.14	<0.33	50	6	56	0	0%	0	0%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.18	0.30	<0.68	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.43	1.13	<2.6	50	6	56	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.18	0.32	<0.74	50	6	56	0	0%	0	0%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.59	1.15	<2.6	50	6	56	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.43	1.16	<2.7	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.14	0.10	<0.22	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.3	0.48	<1.1	50	6	56	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.28	0.18	<0.39	50	6	56	0	0%	0	0%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.1	0.13	<0.29	50	6	56	0	0%	0	0%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	0.71	1.60	50	6	56	1	2%	1	2%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.18	0.88	<2.1	50	6	56	0	0%	0	0%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.13	0.31	<0.72	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.1	0.87	<2.1	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Toxaphene	ug/kg	<21	38.7	<89	50	6	56	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29	15.2	<32.2	50	6	56	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.24	3.7	<7.88	50	6	56	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.5	2.8	<5.99	50	6	56	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31	16.2	<34.4	50	6	56	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.7	2.9	<6.22	50	6	56	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.69	2.4	<5.11	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.3	7.5	<16	50	6	56	0	0%	0	0%	8	14%	620,000	0	0%
MCPA	ug/kg	<1400	729	<1550	50	6	56	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<857	803	8,500	50	6	56	3	5%	3	5%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7	3.6	<7.66	50	6	56	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	1.5	<12	50	6	56	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<12	10.1	<22	50	6	56	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<12	10.1	<22	50	6	56	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<12	10.1	<22	50	6	56	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<12	10.1	<22	50	6	56	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<12	10.1	<22	50	6	56	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	1.3	<12	50	6	56	0	0%	0	0%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<20	10.6	<22	44	6	50	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-7. Area 7

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	1,900	6,380	15,000	40	5	45	45	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	270	270	270	40	5	45	1	100%	1	100%	44	98%	410,000	0	0%
Arsenic	ug/kg	1,900	30,076	410,000	40	5	45	45	100%	0	0%	0	0%	260,000	1	2%
Barium	ug/kg	22,000	59,378	240,000	40	5	45	45	100%	0	0%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	44	177	360	40	5	45	45	100%	3	7%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.0054	2.9	12	40	5	45	26	58%	17	38%	0	0%	200,000	0	0%
Cadmium	ug/kg	59	182	800	40	5	45	45	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	670	3,268	14,000	40	5	45	45	100%	3	7%	0	0%	NA	0	0%
Chromium, Total	ug/kg	1,700	6,616	21,000	40	5	45	45	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	500	2,622	12,000	40	5	45	45	100%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	40,000	569,822	2,400,000	40	5	45	45	100%	0	0%	0	0%	41,000,000	0	0%
Iron	mg/kg	6,200	17,669	95,000	40	5	45	45	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	2,100	7,109	58,000	40	5	45	45	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	370	3,998	18,000	40	5	45	45	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	15,000	56,556	180,000	40	5	45	45	100%	1	2%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.39	2.2	40	5	45	41	91%	10	22%	0	0%	310	0	0%
Molybdenum	ug/kg	450	1,894	8,800	40	5	45	45	100%	1	2%	0	0%	5,100,000	0	0%
Nickel	ug/kg	640	4,366	25,000	40	5	45	45	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	380	1,454	5,100	40	5	45	45	100%	3	7%	0	0%	NA	0	0%
Selenium	ug/kg	<170	5,030	29,000	40	5	45	43	96%	11	24%	0	0%	5,100,000	0	0%
Silver	ug/kg	<33	135	570	40	5	45	44	98%	24	53%	0	0%	5,100,000	0	0%
Sodium	mg/kg	51	1,436	7,900	40	5	45	45	100%	1	2%	0	0%	NA	0	0%
Thallium	ug/kg	<20	2,085	40,000	40	5	45	41	91%	18	40%	0	0%	67,000	0	0%
Thorium-232	mg/kg	3.0	16	172	40	5	45	45	100%	20	44%	0	0%	174	0	0%
Uranium	mg/kg	<0.5	5.0	33	40	5	45	44	98%	20	44%	0	0%	200	0	0%
Vanadium	ug/kg	4,900	15,876	62,000	40	5	45	45	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	5,900	12,369	23,000	40	5	45	45	100%	1	2%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	<1	2.2	6.3	40	5	45	44	98%	0	0%	0	0%	3.7	5	11%
Radium-228	pCi/g	<1	2.5	20.0	40	5	45	38	84%	0	0%	0	0%	8.4	2	4%
Acid/Base Potential:																
Acid Potential	t/kt	<1	8	65	40	5	45	42	93%	0	0%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-64	-5	14	40	5	45	45	100%	4	9%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	3	19	40	5	45	22	49%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.039	0.02	<0.06	40	5	45	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.066	0.04	<0.1	40	5	45	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.081	0.05	<0.12	40	5	45	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.18	0.11	<0.28	40	5	45	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.055	0.03	<0.085	40	5	45	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.088	0.05	<0.14	40	5	45	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.033	0.02	<0.052	40	5	45	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.064	0.04	<0.099	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.11	0.07	<0.17	40	5	45	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.08	0.05	<0.12	40	5	45	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.048	0.03	<0.074	40	5	45	0	0%	0	0%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.53	0.32	<0.81	40	5	45	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.071	0.04	<0.11	40	5	45	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.072	0.04	<0.11	40	5	45	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.099	0.06	<0.15	40	5	45	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.061	0.04	<0.094	40	5	45	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.053	0.03	<0.082	40	5	45	0	0%	0	0%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.066	0.04	<0.1	40	5	45	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.058	0.04	<0.089	40	5	45	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.071	0.04	<0.11	40	5	45	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-7. Area 7

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.062	0.04	<0.096	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.038	0.02	<0.059	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.061	0.04	<0.094	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.046	0.03	<0.072	40	5	45	0	0%	0	0%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.094	0.06	<0.14	40	5	45	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.18	0.11	<0.27	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.2	0.12	<0.31	40	5	45	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.17	0.10	<0.26	40	5	45	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.14	0.09	<0.22	40	5	45	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.062	0.04	<0.096	40	5	45	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.06	0.04	<0.093	40	5	45	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.29	0.17	<0.44	40	5	45	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.1	0.06	<0.16	40	5	45	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1.1	0.67	<1.7	40	5	45	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.078	0.05	<0.12	40	5	45	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.064	0.04	<0.099	40	5	45	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0.09	<0.22	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.062	0.07	0.47	40	5	45	6	13%	6	13%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.14	0.10	0.24	40	5	45	4	9%	4	9%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.092	0.06	<0.14	40	5	45	0	0%	0	0%	1	2%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.024	0.01	<0.038	40	5	45	0	0%	0	0%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.28	0.17	<0.43	40	5	45	0	0%	0	0%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.046	0.17	<2.6	40	5	45	0	0%	0	0%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.082	0.05	<0.13	40	5	45	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.051	0.03	<0.079	40	5	45	0	0%	0	0%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.064	0.04	<0.098	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.048	0.03	<0.074	40	5	45	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.048	0.03	<0.074	40	5	45	0	0%	0	0%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.035	0.02	<0.054	40	5	45	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.062	0.04	<0.096	40	5	45	0	0%	0	0%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.11	0.20	1.20	40	5	45	13	29%	13	29%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.066	0.04	<0.1	40	5	45	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.081	0.05	<0.12	40	5	45	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.046	0.08	1.10	40	5	45	9	20%	9	20%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.046	0.03	<0.072	40	5	45	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.28	0.21	0.98	40	5	45	4	9%	4	9%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0.02	<0.061	40	5	45	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0.07	<0.25	40	5	45	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0.04	<0.16	40	5	45	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.01	<0.019	40	5	45	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0.01	<0.024	40	5	45	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0.01	<0.028	40	5	45	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0.01	<0.025	40	5	45	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	0.10	<0.39	40	5	45	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0.06	<0.24	40	5	45	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0.01	<0.032	40	5	45	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0.03	<0.12	40	5	45	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0.01	<0.024	40	5	45	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0.01	<0.038	40	5	45	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.02	<0.066	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.02	<0.07	40	5	45	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0.01	<0.02	40	5	45	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0.03	<0.1	40	5	45	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0.05	<0.17	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0.03	<0.1	40	5	45	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-7. Area 7

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0.02	<0.079	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0.01	<0.022	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.011	0.01	<0.025	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.045	0.03	<0.058	40	5	45	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0.03	<0.11	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0.02	<0.056	40	5	45	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0.03	<0.1	40	5	45	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0.03	<0.097	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0.01	<0.029	40	5	45	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0.02	<0.055	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0.04	<0.15	40	5	45	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.01	<0.029	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0.04	<0.13	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.13	0.09	<0.25	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0.01	<0.031	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.056	0.07	<0.25	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.08	<0.31	40	5	45	0	0%	0	0%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0.01	<0.022	40	5	45	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0.02	<0.063	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0.04	<0.14	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0.02	<0.057	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0.04	<0.15	40	5	45	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0.02	<0.06	40	5	45	0	0%	0	0%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.25	0.13	<0.33	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.02	<0.054	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0.01	<0.03	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0.02	<0.082	40	5	45	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0.04	0.14	40	5	45	3	7%	3	7%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0.01	<0.032	40	5	45	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.01	0.06	40	5	45	3	7%	3	7%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0.01	<0.041	40	5	45	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.04	<0.14	40	5	45	0	0%	0	0%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.01	<0.032	40	5	45	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0.01	<0.025	40	5	45	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0.02	<0.081	40	5	45	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0.01	<0.026	40	5	45	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0.05	<0.17	40	5	45	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.01	<0.022	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0.01	<0.026	40	5	45	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0.01	<0.022	40	5	45	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0.04	<0.14	40	5	45	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0.01	<0.027	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0.02	<0.087	40	5	45	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.03	<0.1	40	5	45	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.01	<0.028	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0.02	<0.071	40	5	45	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.01	<0.029	40	5	45	0	0%	0	0%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.85	2.5	18	40	5	45	18	40%	9	20%	0	0%	100	0	0%
Gasoline C4-C12	mg/kg	<0.82	1.0	2.8	40	5	45	24	53%	24	53%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	21	160	40	5	45	35	78%	26	58%	0	0%	100	3	7%
Pesticide:																
Aldrin	ug/kg	<0.21	0.12	0.27	40	5	45	2	4%	2	4%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.53	10	40	5	45	10	22%	4	9%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.26	0.26	<0.73	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.27	0.46	<1.3	40	5	45	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-7. Area 7

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.15	0.14	<0.37	40	5	45	0	0%	0	0%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.33	0.37	<1	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.11	0.16	1.0	40	5	45	1	2%	1	2%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.18	0.28	<0.81	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.43	1.07	<3.1	40	5	45	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.18	0.31	<0.88	40	5	45	0	0%	0	0%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.59	1.09	<3.2	40	5	45	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.43	1.10	<3.2	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.14	0.10	<0.26	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.3	0.47	<1.3	40	5	45	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.28	0.21	1.4	40	5	45	2	4%	1	2%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.1	0.12	<0.34	40	5	45	0	0%	0	0%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	0.66	<1.9	40	5	45	0	0%	0	0%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.18	0.83	2.5	40	5	45	1	2%	1	2%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.13	0.30	0.9	40	5	45	1	2%	1	2%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.1	1.29	5.7	40	5	45	9	20%	9	20%	0	0%	NA	0	0%
Toxaphene	ug/kg	<21	36.9	<110	40	5	45	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29.9	15.8	<38.7	40	5	45	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.32	3.9	<9.47	40	5	45	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.57	2.9	<7.2	40	5	45	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<32	16.9	<41.3	40	5	45	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.77	3.1	<7.47	40	5	45	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.74	2.5	<6.13	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.4	7.6	<18.7	40	5	45	0	0%	0	0%	0	0%	620,000	0	0%
MCPA	ug/kg	<1440	764	<1870	40	5	45	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<866	458	<1120	40	5	45	0	0%	0	0%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7.11	3.8	<9.2	40	5	45	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	2.0	<12	40	5	45	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<12	9.9	<27	40	5	45	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<12	9.9	<27	40	5	45	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<12	9.9	<27	40	5	45	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<12	9.9	<27	40	5	45	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<12	9.9	<27	40	5	45	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.4	1.8	<12	40	5	45	0	0%	0	0%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<21	10.9	<27	31	5	36	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-8. Area 8

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	900	5,111	9,500	104	9	113	113	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	21	246	1,400	104	9	113	10	100%	10	100%	103	91%	410,000	0	0%
Arsenic	ug/kg	1,900	4,719	21,000	104	9	113	113	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	21,000	57,460	400,000	104	9	113	113	100%	1	1%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	20	230	630	104	9	113	113	100%	8	7%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.0057	1.8	6	104	9	113	68	60%	63	56%	0	0%	200,000	0	0%
Cadmium	ug/kg	71	291	1,900	104	9	113	113	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	480	5,360	11,000	104	9	113	113	100%	2	2%	0	0%	NA	0	0%
Chromium, Total	ug/kg	610	6,633	46,000	104	9	113	113	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	<240	3,172	13,000	104	9	113	110	97%	1	1%	0	0%	13,000,000	0	0%
Copper	ug/kg	15,000	177,469	2,600,000	104	9	113	113	100%	6	5%	0	0%	41,000,000	0	0%
Iron	mg/kg	2,600	11,975	52,000	104	9	113	113	100%	2	2%	0	0%	310,000	0	0%
Lead	ug/kg	1,900	7,183	110,000	104	9	113	113	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	180	2,533	4,500	104	9	113	113	100%	4	4%	0	0%	NA	0	0%
Manganese	ug/kg	14,000	138,442	390,000	104	9	113	113	100%	4	4%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.17	7.9	104	9	113	66	61%	32	29%	4	4%	310	0	0%
Molybdenum	ug/kg	<140	1,344	13,000	104	9	113	96	85%	11	10%	0	0%	5,100,000	0	0%
Nickel	ug/kg	200	4,468	16,000	104	9	113	113	100%	1	1%	0	0%	20,000,000	0	0%
Potassium	mg/kg	270	1,229	3,200	104	9	113	113	100%	5	4%	0	0%	NA	0	0%
Selenium	ug/kg	<160	597	10,000	104	9	113	79	70%	66	58%	0	0%	5,100,000	0	0%
Silver	ug/kg	30	92	1,400	104	9	113	113	100%	96	85%	0	0%	5,100,000	0	0%
Sodium	mg/kg	96	311	1,700	104	9	113	113	100%	3	3%	0	0%	NA	0	0%
Thallium	ug/kg	<2.1	97	920	104	9	113	74	65%	56	50%	0	0%	67,000	0	0%
Thorium-232	mg/kg	5.3	7.7	11	3	0	3	3	100%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	1.3	2.3	4.1	3	0	3	3	100%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	2,800	14,643	41,000	104	9	113	113	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	3,200	15,064	32,000	104	9	113	113	100%	13	12%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	1.3	1.5	1.7	3	0	3	3	100%	0	0%	0	0%	3.7	0	0%
Radium-228	pCi/g	1.9	2.0	2.1	3	0	3	3	100%	0	0%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	3.5	22	104	9	113	56	50%	0	0%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-22	6.5	27	104	9	113	113	100%	4	4%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	10	28	104	9	113	105	93%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.037	0.02	<0.056	104	9	113	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.062	0.04	<0.094	104	9	113	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.079	0.05	0.24	104	9	113	1	1%	1	1%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.17	0.11	0.64	104	9	113	1	1%	1	1%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.052	0.03	<0.079	104	9	113	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.083	0.05	0.13	104	9	113	1	1%	1	1%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.032	0.02	<0.047	104	9	113	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.061	0.04	<0.091	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.1	0.06	<0.15	104	9	113	0	0%	0	0%	1	1%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.076	0.04	<0.11	104	9	113	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.045	0.03	0.54	104	9	113	3	3%	3	3%	1	1%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.5	0.29	<0.75	104	9	113	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.067	0.04	<0.1	104	9	113	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.068	0.04	<0.1	104	9	113	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.094	0.05	<0.14	104	9	113	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.058	0.03	<0.087	104	9	113	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.052	0.03	0.30	104	9	113	1	1%	1	1%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.062	0.04	<0.094	104	9	113	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.055	0.03	<0.082	104	9	113	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.067	0.04	<0.1	104	9	113	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-8. Area 8

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.059	0.03	<0.088	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.036	0.02	<0.054	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.058	0.03	<0.087	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.045	0.03	0.31	104	9	113	10	9%	10	9%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.089	0.05	<0.13	104	9	113	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.17	0.10	<0.25	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.19	0.11	<0.29	104	9	113	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.16	0.10	0.57	104	9	113	1	1%	1	1%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.14	0.08	<0.21	104	9	113	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.059	0.03	<0.088	104	9	113	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.057	0.03	<0.086	104	9	113	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.27	0.16	<0.4	104	9	113	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.099	0.06	<0.15	104	9	113	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1	0.60	<1.6	104	9	113	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.074	0.04	<0.11	104	9	113	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.061	0.04	<0.091	104	9	113	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.13	0.08	<0.2	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.059	0.03	0.11	104	9	113	1	1%	1	1%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.13	0.08	0.28	104	9	113	1	1%	1	1%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.087	0.05	<0.13	104	9	113	0	0%	0	0%	1	1%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.024	0.02	0.31	104	9	113	1	1%	1	1%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.26	0.15	<0.58	104	9	113	0	0%	0	0%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.045	0.15	<2.4	104	9	113	0	0%	0	0%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.078	0.05	<0.12	104	9	113	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.049	0.03	<0.073	104	9	113	0	0%	0	0%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.06	0.04	0.26	104	9	113	1	1%	1	1%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.045	0.03	<0.068	104	9	113	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.047	0.04	0.32	104	9	113	4	4%	4	4%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.033	0.02	<0.05	104	9	113	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.059	0.03	0.09	104	9	113	1	1%	1	1%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.11	0.11	0.91	104	9	113	27	24%	27	24%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.062	0.04	0.13	104	9	113	1	1%	1	1%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.076	0.04	<0.11	104	9	113	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.042	0.12	2.80	104	9	113	15	13%	15	13%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.044	0.03	<0.066	104	9	113	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.26	0.15	<0.39	104	9	113	0	0%	0	0%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0.04	<1.3	104	9	113	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0.10	<1.4	104	9	113	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0.07	<1.4	104	9	113	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.03	<1.3	104	9	113	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0.02	<0.97	104	9	113	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	0.14	<1.1	104	9	113	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0.09	<0.76	104	9	113	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0.06	<1.1	104	9	113	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0.03	<1.2	104	9	113	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.04	<1.2	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.04	<1.1	104	9	113	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0.03	<1.2	104	9	113	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0.06	<1.4	104	9	113	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0.07	<0.21	104	9	113	0	0%	0	0%	1	1%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0.05	<0.76	104	9	113	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-8. Area 8

	Unit	Minimum	Average(1)	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG(2)	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0.04	<0.92	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0.02	<1	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.011	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.044	0.03	<0.81	104	9	113	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0.05	<0.92	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0.04	<1.1	104	9	113	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0.05	<0.92	104	9	113	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0.05	<0.92	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0.04	<1.2	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0.06	<0.92	104	9	113	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.02	<0.81	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0.06	<1.1	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.12	0.08	<0.97	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0.04	<1.6	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.055	0.05	<0.97	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.12	0.92	104	9	113	2	2%	2	2%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0.03	<1.3	104	9	113	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0.04	<0.92	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0.06	<1.1	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0.03	<0.49	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0.08	<1.6	104	9	113	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0.04	1.300	104	9	113	1	1%	1	1%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.19	0.13	<1	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.03	<0.86	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0.03	<1.3	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0.04	<1	104	9	113	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0.06	1.000	104	9	113	2	2%	2	2%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0.03	<1	104	9	113	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.03	1.000	104	9	113	7	6%	7	6%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.06	<0.97	104	9	113	0	0%	0	0%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.03	0.970	104	9	113	3	3%	3	3%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0.03	<1.1	104	9	113	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0.04	<0.26	104	9	113	0	0%	0	0%	1	1%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0.04	<1.7	104	9	113	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0.08	<0.3	104	9	113	0	0%	0	0%	1	1%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.03	<1.3	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0.03	1.100	104	9	113	1	1%	1	1%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0.03	<1.2	104	9	113	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0.07	<1.3	104	9	113	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0.03	<1.3	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0.04	<1	104	9	113	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.05	<1.1	104	9	113	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.02	<0.92	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0.04	<1.1	104	9	113	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.02	<0.81	104	9	113	0	0%	0	0%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.84	1.4	28	104	9	113	29	26%	24	21%	0	0%	100	0	0%
Gasoline C4-C12	mg/kg	<3.4	2.0	<4.9	104	9	113	0	0%	0	0%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	9.1	240	104	9	113	73	65%	58	51%	0	0%	100	2	2%
Pesticide:																
Aldrin	ug/kg	<0.2	0.12	<0.71	104	9	113	0	0%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.16	1.8	104	9	113	8	7%	7	6%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.2	0.27	0.64	104	9	113	3	3%	3	3%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.2	0.48	1.20	104	9	113	3	3%	3	3%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-8. Area 8

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.28	0.16	<0.65	104	9	113	0	0%	0	0%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.31	0.37	0.89	104	9	113	1	1%	1	1%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.3	0.17	<0.65	104	9	113	0	0%	0	0%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.31	0.31	0.79	104	9	113	2	2%	2	2%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.31	1.14	3.3	104	9	113	5	4%	5	4%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.41	0.33	0.77	104	9	113	1	1%	1	1%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.51	1.14	2.8	104	9	113	3	3%	3	3%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.31	1.17	3.3	104	9	113	2	2%	2	2%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.2	0.11	1.0	104	9	113	2	2%	1	1%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.31	0.48	<1.2	104	9	113	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.2	0.17	0.40	104	9	113	1	1%	1	1%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.2	0.16	2.3	104	9	113	2	2%	2	2%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	0.72	1.7	104	9	113	6	5%	6	5%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.31	0.90	2.2	104	9	113	2	2%	2	2%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.2	0.34	1.5	104	9	113	6	5%	6	5%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.41	0.92	2.5	104	9	113	2	2%	2	2%	0	0%	NA	0	0%
Toxaphene	ug/kg	<51	40	<93	104	9	113	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29	15.1	<33	104	9	113	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.24	4.1	12	104	9	113	5	4%	5	4%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.5	2.8	<6.3	104	9	113	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31	16.1	<36	104	9	113	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.7	3.5	24	104	9	113	2	2%	2	2%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.69	2.4	<5.4	104	9	113	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.3	7.5	<17	104	9	113	0	0%	0	0%	35	31%	620,000	0	0%
MCPA	ug/kg	<1400	754	1,900	104	9	113	4	4%	4	4%	0	0%	310,000	0	0%
MCPP	ug/kg	<857	459	1,700	104	9	113	3	3%	3	3%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7	3.7	12	104	9	113	1	1%	1	1%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	0.9	<2.2	104	9	113	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<20	10.5	<23	104	9	113	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<20	10.5	<23	104	9	113	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<20	10.5	<23	104	9	113	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<20	10.5	<23	104	9	113	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<20	11.1	59	104	9	113	2	2%	2	2%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	0.8	9	104	9	113	1	1%	1	1%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<20	10.5	<23	104	9	113	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-9. Area 9

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	2,700	6,177	12,000	125	9	134	134	100%	2	1%	0	0%	920,000	0	0%
Antimony	ug/kg	24	24	24	125	9	134	1	100%	1	100%	133	99%	410,000	0	0%
Arsenic	ug/kg	1,300	8,577	81,000	125	9	134	134	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	21,000	53,045	250,000	125	9	134	134	100%	2	1%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	87	253	820	125	9	134	134	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.0056	2.8	17	125	9	134	91	68%	70	52%	0	0%	200,000	0	0%
Cadmium	ug/kg	110	257	1,100	125	9	134	134	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	780	5,279	15,000	125	9	134	134	100%	3	2%	0	0%	NA	0	0%
Chromium, Total	ug/kg	1,800	7,614	30,000	125	9	134	134	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	<580	3,553	39,000	125	9	134	133	99%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	25,000	183,224	3,100,000	125	9	134	134	100%	0	0%	0	0%	41,000,000	0	0%
Iron	mg/kg	5,400	14,591	61,000	125	9	134	134	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	1,700	7,608	200,000	125	9	134	134	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	640	2,956	9,300	125	9	134	134	100%	2	1%	0	0%	NA	0	0%
Manganese	ug/kg	14,000	119,612	400,000	125	9	134	134	100%	1	1%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.1	6.4	125	9	134	86	66%	65	50%	4	3%	310	0	0%
Molybdenum	ug/kg	<20	1,083	16,000	125	9	134	110	82%	27	20%	0	0%	5,100,000	0	0%
Nickel	ug/kg	760	5,033	79,000	125	9	134	134	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	700	1,449	4,200	125	9	134	134	100%	6	4%	0	0%	NA	0	0%
Selenium	ug/kg	<160	1,029	22,000	125	9	134	58	43%	38	28%	0	0%	5,100,000	0	0%
Silver	ug/kg	<22	63	380	125	9	134	110	82%	99	74%	0	0%	5,100,000	0	0%
Sodium	mg/kg	<68	455	7,200	125	9	134	125	93%	18	13%	0	0%	NA	0	0%
Thallium	ug/kg	<2	228	15,000	125	9	134	107	80%	95	71%	0	0%	67,000	0	0%
Thorium-232	mg/kg	<0.5	16	241	125	9	134	133	99%	0	0%	0	0%	174	1	1%
Uranium	mg/kg	<0.5	7.1	56	125	9	134	133	99%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	7,400	16,643	37,000	125	9	134	134	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	5,800	18,237	78,000	125	9	134	134	100%	69	51%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	1.0	1.5	5.7	125	9	134	134	100%	0	0%	0	0%	3.7	4	3%
Radium-228	pCi/g	<1	2.5	24.4	125	9	134	121	90%	0	0%	0	0%	8.4	6	4%
Acid/Base Potential:																
Acid Potential	t/kt	<1	7.0	51	125	9	134	93	69%	4	3%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-49	1.4	42	125	9	134	134	100%	2	1%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	8.5	43	125	9	134	103	77%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.039	0.02	<0.056	125	9	134	0	0%	0	0%	1	1%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.065	0.04	<0.094	125	9	134	0	0%	0	0%	1	1%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.079	0.04	<0.12	125	9	134	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.18	0.10	<0.26	125	9	134	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.055	0.03	<0.079	125	9	134	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.087	0.05	<0.13	125	9	134	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.033	0.02	<0.048	125	9	134	0	0%	0	0%	1	1%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.063	0.04	0.61	125	9	134	1	1%	1	1%	1	1%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.11	0.06	<0.15	125	9	134	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.079	0.05	0.61	125	9	134	1	1%	1	1%	51	38%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.047	0.03	0.11	125	9	134	4	3%	4	3%	2	1%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.52	0.29	<0.75	125	9	134	0	0%	0	0%	12	9%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.07	0.04	<0.1	125	9	134	0	0%	0	0%	15	11%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.071	0.04	<0.1	125	9	134	0	0%	0	0%	2	1%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.098	0.06	<0.14	125	9	134	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.06	0.03	<0.087	125	9	134	0	0%	0	0%	14	10%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.052	0.03	<0.074	125	9	134	0	0%	0	0%	2	1%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.065	0.04	<0.092	125	9	134	0	0%	0	0%	2	1%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.057	0.03	<0.083	125	9	134	0	0%	0	0%	1	1%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.07	0.04	<0.1	125	9	134	0	0%	0	0%	1	1%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-9. Area 9

	Unit	Minimum	Average(1)	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG(2)	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.061	0.03	<0.089	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.038	0.02	<0.054	125	9	134	0	0%	0	0%	2	1%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.06	0.03	<0.087	125	9	134	0	0%	0	0%	1	1%	NA	0	0%
Benzene	ug/kg	<0.046	0.04	0.92	125	9	134	9	7%	9	7%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.092	0.05	<0.13	125	9	134	0	0%	0	0%	1	1%	92,000	0	0%
Bromochloromethane	ug/kg	<0.17	0.10	<0.25	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.2	0.11	<0.29	125	9	134	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.17	0.09	<0.24	125	9	134	0	0%	0	0%	15	11%	12,000,000	0	0%
Bromomethane	ug/kg	<0.14	0.08	<0.21	125	9	134	0	0%	0	0%	19	14%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.061	0.03	<0.089	125	9	134	0	0%	0	0%	1	1%	7,300	0	0%
Chlorobenzene	ug/kg	<0.059	0.03	<0.086	125	9	134	0	0%	0	0%	1	1%	530,000	0	0%
Chloroethane	ug/kg	<0.28	0.16	<0.41	125	9	134	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.1	0.06	<0.15	125	9	134	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1.1	0.61	<1.6	125	9	134	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.077	0.04	<0.11	125	9	134	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.063	0.04	<0.092	125	9	134	0	0%	0	0%	1	1%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0.08	<0.2	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.061	0.03	<0.089	125	9	134	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.14	0.11	1.30	125	9	134	13	10%	13	10%	1	1%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.091	0.05	<0.13	125	9	134	0	0%	0	0%	9	7%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.024	0.01	<0.034	125	9	134	0	0%	0	0%	2	1%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.27	0.17	0.88	125	9	134	2	1%	2	1%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.046	0.22	2.40	125	9	134	3	3%	3	3%	44	33%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.081	0.05	<0.12	125	9	134	0	0%	0	0%	23	17%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.051	0.03	<0.072	125	9	134	0	0%	0	0%	2	1%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.063	0.04	<0.089	125	9	134	0	0%	0	0%	8	6%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.047	0.03	<0.067	125	9	134	0	0%	0	0%	2	1%	1,600,000	0	0%
Styrene	ug/kg	<0.047	0.04	0.29	125	9	134	4	3%	4	3%	15	11%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.035	0.02	<0.049	125	9	134	0	0%	0	0%	2	1%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.061	0.18	10.0	125	9	134	6	5%	4	3%	1	1%	130,000	0	0%
Toluene	ug/kg	<0.11	0.28	10.0	125	9	134	16	12%	14	11%	1	1%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.065	0.04	<0.094	125	9	134	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.079	0.04	<0.12	125	9	134	0	0%	0	0%	1	1%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.043	0.51	7.9	125	9	134	66	49%	65	49%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.046	0.03	0.25	125	9	134	1	1%	1	1%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.27	0.25	5.5	125	9	134	7	5%	7	5%	1	1%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0.04	<1.2	125	9	134	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0.11	<5.2	125	9	134	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0.07	<3.2	125	9	134	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.02	<0.39	125	9	134	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0.02	<0.48	125	9	134	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0.02	<0.57	125	9	134	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0.02	<0.5	125	9	134	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	0.17	<7.9	125	9	134	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0.09	<4.8	125	9	134	0	0%	0	0%	1	1%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0.03	<0.65	125	9	134	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0.06	<2.5	125	9	134	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0.02	<0.5	125	9	134	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0.03	<0.78	125	9	134	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.04	<1.3	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.04	<1.4	125	9	134	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0.02	<0.4	125	9	134	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0.05	<2.1	125	9	134	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0.09	<3.5	125	9	134	0	0%	0	0%	1	1%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0.05	<2.1	125	9	134	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-9. Area 9

	Unit	Minimum	Average(1)	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG(2)	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0.04	<1.6	125	9	134	0	0%	0	0%	1	1%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0.02	<0.44	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.011	0.02	<0.51	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.044	0.05	<1.2	125	9	134	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0.05	<2.2	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0.03	<1.1	125	9	134	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0.05	<2	125	9	134	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0.05	<2	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0.02	<0.59	125	9	134	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0.03	<1.1	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0.07	<3.1	125	9	134	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.02	0.59	125	9	134	1	1%	1	1%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0.06	2.70	125	9	134	1	1%	1	1%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.12	0.17	<5	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0.02	0.63	125	9	134	1	1%	1	1%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.055	0.14	<5	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.13	<6.3	125	9	134	0	0%	0	0%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0.02	<0.45	125	9	134	0	0%	0	0%	1	1%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0.03	1.30	125	9	134	1	1%	1	1%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0.07	<2.9	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0.03	<1.2	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0.07	<3.1	125	9	134	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0.04	1.20	125	9	134	10	7%	10	7%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.2	0.24	<6.7	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.03	1.10	125	9	134	1	1%	1	1%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0.03	<0.6	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0.04	<1.7	125	9	134	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0.10	4.20	125	9	134	7	5%	5	4%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0.02	<0.66	125	9	134	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.03	0.36	125	9	134	2	1%	2	1%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0.03	<0.83	125	9	134	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.07	2.80	125	9	134	2	1%	1	1%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.02	0.65	125	9	134	1	1%	1	1%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0.02	<0.5	125	9	134	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0.04	<1.6	125	9	134	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0.02	<0.53	125	9	134	0	0%	0	0%	1	1%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0.08	<3.5	125	9	134	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.02	0.46	125	9	134	1	1%	1	1%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0.02	<0.52	125	9	134	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0.02	<0.44	125	9	134	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0.07	<2.9	125	9	134	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0.02	<0.54	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0.05	<1.8	125	9	134	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.05	2.10	125	9	134	1	1%	1	1%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.03	0.77	125	9	134	2	1%	2	1%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0.04	<1.4	125	9	134	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.03	1.10	125	9	134	2	1%	1	1%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.83	139	4,100	125	9	134	52	39%	38	28%	0	0%	100	13	10%
Gasoline C4-C12	mg/kg	<0.58	1.1	21	125	9	134	14	10%	11	8%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	889	24,000	125	9	134	99	74%	73	54%	0	0%	100	21	16%
Pesticide:																
Aldrin	ug/kg	<0.21	0.5	38	125	9	134	3	2%	2	1%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	1.2	53	125	9	134	18	13%	11	8%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.26	0.6	21	125	9	134	3	2%	2	1%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.27	0.7	<12	125	9	134	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-9. Area 9

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.15	1.3	67	125	9	134	10	7%	8	6%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.33	0.6	<8.8	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.11	0.5	26	125	9	134	11	8%	8	6%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.18	0.5	7.2	125	9	134	2	1%	2	1%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.43	1.7	<27	125	9	134	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.18	0.5	7.6	125	9	134	2	1%	2	1%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.59	1.9	<27	125	9	134	0	0%	0	0%	13	10%	180,000	0	0%
Endrin Ketone	ug/kg	<0.43	1.8	<28	125	9	134	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.14	0.4	7.5	125	9	134	10	7%	9	7%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.3	0.8	12.0	125	9	134	1	1%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.28	0.6	35	125	9	134	5	4%	4	3%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.1	0.2	3.0	125	9	134	2	1%	2	1%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	1.0	<16	125	9	134	0	0%	0	0%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.18	6.6	240	125	9	134	8	6%	2	1%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.13	5.4	250	125	9	134	14	10%	6	4%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.1	34	2,000	125	9	134	16	12%	9	7%	0	0%	NA	0	0%
Toxaphene	ug/kg	<21	59	<920	125	9	134	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29	17.5	<170	121	9	130	0	0%	0	0%	3	2%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.17	4.3	<41	121	9	130	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.45	3.8	75	121	9	130	2	2%	2	2%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31	18.6	<180	121	9	130	0	0%	0	0%	2	2%	18,000,000	0	0%
Dicamba	ug/kg	<5.66	3.4	<32	121	9	130	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.65	2.8	<27	121	9	130	0	0%	0	0%	3	2%	NA	0	0%
Dinoseb	ug/kg	<14.1	8.1	<73.7	121	9	130	0	0%	0	0%	17	13%	620,000	0	0%
MCPA	ug/kg	<1400	847	<8000	121	9	130	0	0%	0	0%	3	2%	310,000	0	0%
MCPP	ug/kg	<848	514	4,900	121	9	130	1	1%	1	1%	3	2%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<6.97	4.2	<40	121	9	130	0	0%	0	0%	3	2%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	12.3	1,400	124	9	133	1	1%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<12	14.2	<230	124	9	133	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<12	14.1	<230	124	9	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<12	14.1	<230	124	9	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<12	14.1	<230	124	9	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<12	14.1	<230	124	9	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	10.0	1,100	124	9	133	2	2%	0	0%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<20	15.1	<230	110	9	119	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-10. Area 10

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	230	4,751	11,000	123	10	133	133	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	0	82.8	150	123	10	133	4	100%	4	100%	129	97%	410,000	0	0%
Arsenic	ug/kg	310	3,968	43,000	123	10	133	133	100%	2	2%	0	0%	260,000	0	0%
Barium	ug/kg	19,000	45,000	96,000	123	10	133	133	100%	3	2%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	<8.3	222	430	123	10	133	129	97%	10	8%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.31	2.9	10	123	10	133	98	74%	76	57%	0	0%	200,000	0	0%
Cadmium	ug/kg	70	229	810	123	10	133	133	100%	2	2%	0	0%	450,000	0	0%
Calcium	mg/kg	300	5,878	23,000	123	10	133	133	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	<260	3,984	23,000	123	10	133	132	99%	6	5%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	<90	2,697	6,700	123	10	133	130	98%	7	5%	0	0%	13,000,000	0	0%
Copper	ug/kg	3,600	134,549	3,900,000	123	10	133	133	100%	3	2%	0	0%	41,000,000	0	0%
Iron	mg/kg	700	9,602	34,000	123	10	133	133	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	1,700	3,617	15,000	123	10	133	133	100%	2	2%	0	0%	NA	0	0%
Magnesium	mg/kg	55	2,554	5,400	123	10	133	133	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	2,800	123,010	440,000	123	10	133	133	100%	7	5%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.04	0.7	123	10	133	91	68%	60	45%	0	0%	310	0	0%
Molybdenum	ug/kg	<40	446	8,700	123	10	133	91	68%	33	25%	0	0%	5,100,000	0	0%
Nickel	ug/kg	<160	3,608	14,000	123	10	133	125	94%	4	3%	0	0%	20,000,000	0	0%
Potassium	mg/kg	140	1,170	3,300	123	10	133	133	100%	3	2%	0	0%	NA	0	0%
Selenium	ug/kg	<160	283	5,600	123	10	133	61	46%	58	44%	0	0%	5,100,000	0	0%
Silver	ug/kg	<22	54	180	123	10	133	128	96%	126	95%	0	0%	5,100,000	0	0%
Sodium	mg/kg	85	392	1,100	123	10	133	133	100%	1	1%	0	0%	NA	0	0%
Thallium	ug/kg	<2.1	40	270	123	10	133	75	56%	75	56%	0	0%	67,000	0	0%
Thorium-232	mg/kg	1.7	6.5	30	27	2	29	29	100%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	<0.5	1.3	2.7	27	2	29	27	93%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	1,300	12,424	36,000	123	10	133	133	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	<2600	13,967	45,000	123	10	133	126	95%	12	9%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	<1	1.3	2.1	27	2	29	27	93%	0	0%	0	0%	3.7	0	0%
Radium-228	pCi/g	<1	1.3	5.1	27	2	29	17	59%	0	0%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	3.0	29	122	11	133	43	32%	1	1%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-29	6.8	35	122	11	133	133	100%	4	3%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	10	37	122	11	133	116	87%	4	3%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.039	0	<0.65	123	10	133	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.065	0	<0.44	123	10	133	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.08	0	<0.88	123	10	133	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.18	0	<0.86	123	10	133	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.055	0	<0.42	123	10	133	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.087	0	<0.51	123	10	133	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.033	0	<0.39	123	10	133	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.064	0	<1.2	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.11	0	<1.9	123	10	133	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.079	0	<1.1	123	10	133	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.048	0	<0.89	123	10	133	0	0%	0	0%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.52	0	<1.7	123	10	133	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.07	0	<0.75	123	10	133	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.071	0	<1.1	123	10	133	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.098	0	<0.66	123	10	133	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.061	0	<0.34	123	10	133	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.052	0	<0.72	123	10	133	0	0%	0	0%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.065	0	<0.95	123	10	133	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.057	0.1002	0.06	123	10	133	1	1%	1	1%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.07	0	<1.1	123	10	133	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-10. Area 10

	Unit	Minimum	Average(1)	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG(2)	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.061	0	<0.51	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.038	0	<0.99	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.061	0	<0.84	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.046	0.085	1.1	123	10	133	2	2%	2	2%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.093	0	<0.95	123	10	133	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.17	0	<0.5	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.15	0	<0.48	123	10	133	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.17	0	<0.91	123	10	133	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.14	0	<1.9	123	10	133	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.061	0	<0.75	123	10	133	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.06	0	<0.59	123	10	133	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.28	0.25	2.6	123	10	133	1	1%	1	1%	2	2%	18,000,000	0	0%
Chloroform	ug/kg	<0.1	0.0883	0.12	123	10	133	1	1%	1	1%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1	0.619	1.2	123	10	133	1	1%	1	1%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.077	0	<0.46	123	10	133	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.064	0.16	4.3	123	10	133	2	2%	2	2%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0	<0.7	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.061	0	<0.93	123	10	133	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.14	0.134	0.41	123	10	133	1	1%	1	1%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.091	0	<0.88	123	10	133	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.024	0	<0.61	123	10	133	0	0%	0	0%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.23	0.67	0.76	123	10	133	17	13%	17	13%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.046	0.225	0.25	123	10	133	1	1%	1	1%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.082	0	<0.82	123	10	133	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.051	0	<0.73	123	10	133	0	0%	0	0%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.063	0	<0.82	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.048	0	<0.76	123	10	133	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.048	0	<0.66	123	10	133	0	0%	0	0%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.035	0	<0.7	123	10	133	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.061	0	<0.56	123	10	133	0	0%	0	0%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.11	0.17	2.6	123	10	133	4	3%	4	3%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.065	0	<0.47	123	10	133	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.08	0.093	0.16	123	10	133	4	3%	4	3%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.043	0.26	4.9	123	10	133	27	20%	27	20%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.046	0	<1	123	10	133	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.27	0.18	2.0	103	10	113	1	1%	1	1%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0	<0.38	123	10	133	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0	<0.41	123	10	133	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0	<0.41	123	10	133	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0	<0.4	123	10	133	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0	<0.29	123	10	133	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0	<0.32	123	10	133	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0	<0.32	123	10	133	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	0	<0.34	123	10	133	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0	<0.22	123	10	133	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0	<0.33	123	10	133	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0	<0.33	123	10	133	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0	<0.32	123	10	133	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0	<0.36	123	10	133	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0	<0.36	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0	<0.33	123	10	133	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0	<0.35	123	10	133	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0	<0.41	123	10	133	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0	<0.53	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0	<0.53	123	10	133	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-10. Area 10

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0	<0.27	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0	<0.3	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.011	0	<0.33	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.043	0	<0.32	123	10	133	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0	<0.27	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0	<0.33	123	10	133	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0	<0.27	123	10	133	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0	<0.27	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0	<0.32	123	10	133	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0	<0.35	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0	<0.27	123	10	133	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.0373	0.064	123	10	133	1	1%	1	1%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0	<0.32	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.034	0	<0.29	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0	<0.46	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.044	0	<0.29	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.1150	0.320	123	10	133	5	4%	5	4%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0	<0.38	123	10	133	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0	<0.27	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0	<0.33	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0	<0.16	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0	<0.46	123	10	133	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0	<0.4	123	10	133	0	0%	0	0%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.19	0	<0.3	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.0450	0.070	123	10	133	1	1%	1	1%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0	<0.4	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0	<0.3	123	10	133	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0	<0.3	123	10	133	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0	<0.3	123	10	133	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0	<0.3	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0	<0.32	123	10	133	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.0699	0.240	123	10	133	1	1%	1	1%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.0440	0.027	123	10	133	2	2%	2	2%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0	<0.33	123	10	133	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0	<0.4	123	10	133	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0	<0.49	123	10	133	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0	<0.44	123	10	133	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.0556	0.017	123	10	133	1	1%	1	1%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0	<0.33	123	10	133	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0	<0.36	123	10	133	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0	<0.38	123	10	133	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0	<0.38	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0	<0.3	123	10	133	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0	<0.32	123	10	133	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.0420	0.140	123	10	133	1	1%	1	1%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0	<0.33	123	10	133	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.0380	0.140	123	10	133	1	1%	1	1%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.84	1	26	123	10	133	12	9%	4	3%	0	0%	100	0	0%
Gasoline C4-C12	mg/kg	<0.79	1	5	123	10	133	16	12%	16	12%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	3	120	123	10	133	34	26%	33	25%	0	0%	100	1	1%
Pesticide:																
Aldrin	ug/kg	<0.2	0	<0.24	123	10	133	0	0%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.106	0.75	123	10	133	2	2%	2	2%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.2	0	<0.65	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.2	0	<1.2	123	10	133	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-10. Area 10

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.15	0.128	0.53	123	10	133	1	1%	1	1%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.3	0.334	0.91	123	10	133	2	2%	2	2%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.11	0.135	0.69	123	10	133	2	2%	2	2%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.18	0	<0.72	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.3	0.905	2.80	123	10	133	1	1%	1	1%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.18	0	<0.78	123	10	133	0	0%	0	0%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.57	1	<2.8	123	10	133	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.3	1	<2.9	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.14	0	<0.23	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.3	0	<1.2	123	10	133	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.2	0	<0.41	123	10	133	0	0%	0	0%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.1	0.114	0.71	123	10	133	1	1%	1	1%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	0.577	1.70	123	10	133	1	1%	1	1%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.18	1	<2.2	123	10	133	0	0%	0	0%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.13	0.273	1.50	123	10	133	3	2%	3	2%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.1	0.789	5.10	123	10	133	5	4%	5	4%	0	0%	NA	0	0%
Toxaphene	ug/kg	<21	32	<94	123	10	133	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29.3	16	<82.1	123	10	133	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.16	4	<8.35	123	10	133	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.45	3	<8.56	123	10	133	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31.3	16	<36.5	123	10	133	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.65	3	<6.59	123	10	133	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.64	2	<13	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.1	7	<39.6	123	10	133	0	0%	0	0%	1	1%	620,000	0	0%
MCPA	ug/kg	<1400	749	<3960	123	10	133	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<848	450	<2380	123	10	133	0	0%	0	0%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<6.96	4	<19.5	123	10	133	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	3	<12	123	10	133	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<4.5	9	<24	123	10	133	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<6	9	<24	123	10	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<12	9	<24	123	10	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<10	9	<24	123	10	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<12	9	<24	123	10	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	3	<30	123	10	133	0	0%	0	0%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<1.5	10	<24	83	10	93	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

(1) Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

(2) Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-11. Area 11

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	920	5,862	14,000	188	17	205	205	100%	2	1%	0	0%	920,000	0	0%
Antimony	ug/kg	22	71.7	320	188	17	205	14	100%	14	100%	191	93%	410,000	0	0%
Arsenic	ug/kg	1,500	4,330	41,000	188	17	205	205	100%	7	3%	0	0%	260,000	0	0%
Barium	ug/kg	25,000	50,776	160,000	188	17	205	205	100%	3	1%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	67	278	660	188	17	205	205	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.0052	2.7	14	188	17	205	141	69%	111	54%	0	0%	200,000	0	0%
Cadmium	ug/kg	<120	308	6,700	188	17	205	202	99%	3	1%	0	0%	450,000	0	0%
Calcium	mg/kg	1,900	6,556	24,000	188	17	205	205	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	1,800	4,908	39,000	188	17	205	205	100%	10	5%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	1,700	3,340	8,600	188	17	205	205	100%	2	1%	0	0%	13,000,000	0	0%
Copper	ug/kg	16,000	259,268	8,400,000	188	17	205	205	100%	7	3%	0	0%	41,000,000	0	0%
Iron	mg/kg	1.2	10,042	29,000	188	17	205	205	100%	5	2%	0	0%	310,000	0	0%
Lead	ug/kg	1,900	6,755	170,000	188	17	205	205	100%	4	2%	0	0%	NA	0	0%
Magnesium	mg/kg	190	3,155	6,800	188	17	205	205	100%	2	1%	0	0%	NA	0	0%
Manganese	ug/kg	34,000	154,322	380,000	188	17	205	205	100%	23	11%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.042	2.3	188	17	205	117	57%	90	44%	0	0%	310	0	0%
Molybdenum	ug/kg	<20	481	14,000	188	17	205	178	87%	99	48%	0	0%	5,100,000	0	0%
Nickel	ug/kg	2,300	5,610	120,000	188	17	205	205	100%	6	3%	0	0%	20,000,000	0	0%
Potassium	mg/kg	<50	1,305	2,700	188	17	205	204	100%	11	5%	0	0%	NA	0	0%
Selenium	ug/kg	<160	415	15,000	188	17	205	111	54%	99	48%	0	0%	5,100,000	0	0%
Silver	ug/kg	<24	60	350	188	17	205	160	78%	142	69%	0	0%	5,100,000	0	0%
Sodium	mg/kg	96	313	3,000	188	17	205	205	100%	2	1%	0	0%	NA	0	0%
Thallium	ug/kg	<2	111	3,800	188	17	205	170	83%	162	79%	0	0%	67,000	0	0%
Thorium-232	mg/kg	<0.5	10	30	21	4	25	24	96%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	0.5	6.5	43	21	4	25	25	100%	17	68%	0	0%	200	0	0%
Vanadium	ug/kg	7,400	14,005	40,000	188	17	205	205	100%	2	1%	0	0%	1000000	0	0%
Zinc	ug/kg	8,800	30,109	1,800,000	188	17	205	205	100%	22	11%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	1.1	1.6	2.7	21	4	25	25	100%	4	16%	0	0%	4	0	0%
Radium-228	pCi/g	<1	2.0	4.3	21	4	25	23	92%	0	0%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	1.6	17	188	17	205	60	29%	4	2%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-14	12	85	188	17	205	205	100%	4	2%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	14	86	188	17	205	203	99%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.01	19	<3800	188	17	205	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.01	20	<4000	188	17	205	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.004	8	<1600	188	17	205	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.0036	7	<1400	188	17	205	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.0032	6.4205	1,300.00	188	17	205	1	0%	1	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.0067	5.5148	1,100.00	188	17	205	3	1%	3	1%	1	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.012	3,795	380,000	188	17	205	6	3%	6	3%	0	0%	170,000	2	1%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.028	32.5437	6,500.00	188	17	205	3	1%	3	1%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.0033	7	<1300	188	17	205	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.004	8	<1600	188	17	205	0	0%	0	0%	2	1%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.014	992	94,000	188	17	205	8	4%	8	4%	0	0%	70,000	1	0%
1,3-Dichlorobenzene	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.0031	6.0437	1,200.00	188	17	205	2	1%	2	1%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-11. Area 11

	Unit	Minimum	Average(1)	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG(2)	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.0029	6	<1100	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.0043	8	<1700	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.0027	5.4609	1,100.00	188	17	205	2	1%	2	1%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.0088	0	<0.45	188	17	205	0	0%	0	0%	10	5%	NA	0	0%
Bromodichloromethane	ug/kg	<0.016	32	<6500	188	17	205	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.0031	6	<1200	188	17	205	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.062	0	<1.9	188	17	205	0	0%	0	0%	8	4%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.0027	5	<1100	188	17	205	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.0068	0	<0.44	188	17	205	0	0%	0	0%	11	5%	18,000,000	0	0%
Chloroform	ug/kg	<0.0059	12	<2400	188	17	205	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<0.0089	18.15	3,500.0	188	17	205	2	1%	2	1%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.0031	6.11	1,200.0	188	17	205	1	0%	1	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.0038	8	<1500	188	17	205	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.0027	0	<140	188	17	205	0	0%	0	0%	6	3%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.0058	12	<2300	188	17	205	0	0%	0	0%	6	3%	310,000	0	0%
Ethylbenzene	ug/kg	<0.0027	5.79	1,100.0	188	17	205	2	1%	2	1%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.0051	10	<2000	188	17	205	0	0%	0	0%	1	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.0027	13	1,600	188	17	205	3	1%	3	1%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.012	55.99	12,000.0	188	17	205	46	22%	46	22%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.041	5.56	1,100.0	188	17	205	10	5%	10	5%	1	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.0028	5.57	1,100.0	188	17	205	2	1%	2	1%	1	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.0062	89	8,500	188	17	205	4	2%	4	2%	1	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.011	74	14,000	188	17	205	2	1%	2	1%	1	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.0091	43	7,700	188	17	205	2	1%	2	1%	1	0%	1,600,000	0	0%
Styrene	ug/kg	<0.011	5.4657	1,100.00	188	17	205	4	2%	4	2%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.0086	5.491	1,100.00	188	17	205	1	0%	1	0%	1	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.0028	19	1,600	188	17	205	12	6%	12	6%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.0042	5.509	1,100.0	188	17	205	5	2%	5	2%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.0029	6	<1100	188	17	205	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.038	75.057	15,000.0	188	17	205	3	1%	3	1%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.0051	10.031	2,000.0	188	17	205	37	18%	37	18%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.0027	5.468	1,100.00	188	17	205	1	0%	1	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.0072	84	14,000	181	17	198	3	2%	3	2%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0	<11	188	17	205	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0	<46	188	17	205	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0	<28	188	17	205	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0	<3.6	188	17	205	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0	<4.4	188	17	205	0	0%	0	0%	2	1%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0	<5.1	188	17	205	0	0%	0	0%	2	1%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0	<4.5	188	17	205	0	0%	0	0%	2	1%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	1	<71	188	17	205	0	0%	0	0%	6	3%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0	<44	188	17	205	0	0%	0	0%	2	1%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0	<5.9	188	17	205	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0	<22	188	17	205	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0	<4.5	188	17	205	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0	<7	188	17	205	0	0%	0	0%	2	1%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.148	12.0	188	17	205	4	2%	2	1%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.1162	13.00	188	17	205	1	0%	1	0%	2	1%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.015	0	<3.6	188	17	205	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0	<19	188	17	205	0	0%	0	0%	2	1%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0	<32	188	17	205	0	0%	0	0%	1	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0	<19	188	17	205	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-11. Area 11

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0	<15	188	17	205	0	0%	0	0%	2	1%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0	<3.9	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.011	0	<4.6	188	17	205	0	0%	0	0%	2	1%	NA	0	0%
4-Chloroaniline	mg/kg	<0.044	0	<10	188	17	205	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0	<20	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0	<10	188	17	205	0	0%	0	0%	2	1%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0	<18	188	17	205	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0	<18	188	17	205	0	0%	0	0%	2	1%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0.0633	5.40	188	17	205	1	0%	1	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0	<10	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0	<28	188	17	205	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.0597	5.30	188	17	205	3	1%	3	1%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0	<25	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.2924	30.00	188	17	205	3	1%	3	1%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0.0765	5.70	188	17	205	6	3%	6	3%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.043	0.1643	13.00	188	17	205	2	1%	2	1%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.4164	57.00	188	17	205	2	1%	2	1%	2	1%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0	<4	188	17	205	0	0%	0	0%	14	7%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0.1062	12.00	188	17	205	1	0%	1	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0	<27	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0	<10	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0	<28	188	17	205	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0.1542	11.00	188	17	205	4	2%	4	2%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.19	1	<61	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.1025	9.80	188	17	205	3	1%	2	1%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0.0715	5.40	188	17	205	4	2%	4	2%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0	<15	188	17	205	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0	<25	188	17	205	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0	<5.9	188	17	205	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.0470	3.30	188	17	205	1	0%	1	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0	<7.5	188	17	205	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.2390	25.00	188	17	205	3	1%	2	1%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.0677	5.90	188	17	205	2	1%	2	1%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0	<4.5	188	17	205	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0	<15	188	17	205	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0	<4.8	188	17	205	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0	<32	188	17	205	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.0614	4.10	188	17	205	7	3%	7	3%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0	<4.7	188	17	205	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0.0649	4.00	188	17	205	4	2%	4	2%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0	<26	188	17	205	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0	<4.9	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0	<16	188	17	205	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.1563	19.00	188	17	205	1	0%	1	0%	2	1%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.0972	5.20	188	17	205	7	3%	4	2%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0	<13	188	17	205	0	0%	0	0%	2	1%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.0811	5.30	188	17	205	3	1%	2	1%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.83	274	12,000	188	17	205	50	24%	15	7%	0	0%	100	16	8%
Gasoline C4-C12	mg/kg	<0.77	26	1,900	188	17	205	44	21%	41	20%	0	0%	100	4	2%
Motor Oils	mg/kg	<1.9	1,011	47,000	188	17	205	83	40%	55	27%	0	0%	100	21	10%
Pesticide:																
Aldrin	ug/kg	<0.21	0.28	21	188	17	205	5	2%	5	2%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.76	49	188	17	205	13	6%	13	6%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.26	0	<33	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.27	0.756	61.0	188	17	205	1	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-11. Area 11

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.15	0.80	100	188	17	205	12	6%	12	6%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.33	0.69	47	188	17	205	4	2%	3	1%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.11	0.264	18.0	188	17	205	9	4%	9	4%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.18	0.8	39	188	17	205	5	2%	4	2%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.43	2	<140	188	17	205	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.18	0.539	40.0	188	17	205	2	1%	2	1%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.59	2	<140	188	17	205	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.43	2	<150	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.14	0.3	21	188	17	205	9	4%	9	4%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.3	1	<61	188	17	205	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.28	0.320	21.0	188	17	205	5	2%	5	2%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.1	0.229	16.0	188	17	205	8	4%	8	4%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	1.3	86	188	17	205	7	3%	7	3%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.18	8.4	580	188	17	205	19	9%	12	6%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.13	6.7	480	188	17	205	27	13%	19	9%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.1	31	1,900	188	17	205	34	17%	25	12%	0	0%	NA	0	0%
Toxaphene	ug/kg	<21	60	<4900	188	17	205	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29.6	18	<177	188	17	205	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.24	4	<43.3	188	17	205	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.51	3	<32.9	188	17	205	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31.6	20	<189	188	17	205	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.71	4	<34.1	188	17	205	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.69	3	<28	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.3	9	<85.4	188	17	205	0	0%	0	0%	3	1%	620,000	0	0%
MCPA	ug/kg	<1400	895	<8540	188	17	205	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<857	531	<5120	188	17	205	0	0%	0	0%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7.04	4	<42.1	188	17	205	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	3.79	110	182	16	198	1	1%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<12	19	<1200	182	16	198	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<12	19	<1200	182	16	198	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<12	19	<1200	182	16	198	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<12	19	<1200	182	16	198	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<12	19	<1200	182	16	198	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	3.66	79	182	16	198	3	2%	2	1%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<20	17	<1200	111	16	127	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-12. Area 12

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	2,300	5,476	15,000	50	8	58	58	100%	2	3%	0	0%	920,000	0	0%
Antimony	ug/kg	76	234	480	50	8	58	9	100%	9	100%	49	84%	410,000	0	0%
Arsenic	ug/kg	2,300	8,357	60,000	50	8	58	58	100%	1	2%	0	0%	260,000	0	0%
Barium	ug/kg	13,000	54,603	150,000	50	8	58	58	100%	1	2%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	70	332	1,600	50	8	58	58	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.0053	2.9	11	50	8	58	37	64%	20	34%	0	0%	200,000	0	0%
Cadmium	ug/kg	37	258	950	50	8	58	58	100%	3	5%	0	0%	450,000	0	0%
Calcium	mg/kg	640	5,277	12,000	50	8	58	58	100%	2	3%	0	0%	NA	0	0%
Chromium, Total	ug/kg	1,400	4,321	19,000	50	8	58	58	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	680	4,522	24,000	50	8	58	58	100%	4	7%	0	0%	13,000,000	0	0%
Copper	ug/kg	5,000	1,416,216	13,000,000	50	8	58	58	100%	4	7%	0	0%	41,000,000	0	0%
Iron	mg/kg	3,900	11,574	41,000	50	8	58	58	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	1,300	4,786	21,000	50	8	58	58	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	1,500	3,559	10,000	50	8	58	58	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	11,000	158,638	600,000	50	8	58	58	100%	8	14%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00014	0.14	1.0	50	8	58	49	84%	16	28%	0	0%	310	0	0%
Molybdenum	ug/kg	54	1,627	11,000	50	8	58	58	100%	26	45%	0	0%	5,100,000	0	0%
Nickel	ug/kg	1,800	5,645	13,000	50	8	58	58	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	400	1,305	4,500	50	8	58	58	100%	5	9%	0	0%	NA	0	0%
Selenium	ug/kg	<160	2,268	13,000	50	8	58	36	62%	15	26%	0	0%	5,100,000	0	0%
Silver	ug/kg	25	141	630	50	8	58	58	100%	35	60%	0	0%	5,100,000	0	0%
Sodium	mg/kg	36	474	1,400	50	8	58	58	100%	4	7%	0	0%	NA	0	0%
Thallium	ug/kg	<2.2	238	5,800	50	8	58	48	83%	43	74%	0	0%	67,000	0	0%
Thorium-232	mg/kg	2.4	7.2	14	24	3	27	27	100%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	<0.5	3.3	11	24	3	27	26	96%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	5,700	15,853	55,000	50	8	58	58	100%	1	2%	0	0%	1000000	0	0%
Zinc	ug/kg	4,900	20,638	67,000	50	8	58	58	100%	2	3%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	1.2	2.4	4.8	24	3	27	27	100%	0	0%	0	0%	3.7	1	4%
Radium-228	pCi/g	<1	1.5	2.7	24	3	27	20	74%	0	0%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	5.6	24	49	8	57	40	70%	0	0%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-20	5.5	27	49	8	57	57	100%	2	4%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	11	30	49	8	57	55	96%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.036	0.02	<0.054	42	6	48	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.061	0.04	<0.092	42	6	48	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.075	0.05	<0.11	42	6	48	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.17	0.11	<0.25	42	6	48	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.051	0.03	<0.077	42	6	48	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.082	0.05	<0.12	42	6	48	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.031	0.02	<0.046	42	6	48	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.06	0.04	<0.089	42	6	48	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.1	0.06	<0.15	42	6	48	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.074	0.05	<0.11	42	6	48	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.045	0.03	0.07	42	6	48	1	2%	1	2%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.49	0.31	<0.73	42	6	48	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.066	0.04	<0.098	42	6	48	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.067	0.04	<0.1	42	6	48	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.092	0.06	<0.14	42	6	48	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.057	0.04	<0.085	42	6	48	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.049	0.03	<0.074	42	6	48	0	0%	0	0%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.061	0.04	<0.092	42	6	48	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.054	0.04	0.10	42	6	48	3	6%	3	6%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.066	0.04	<0.098	42	6	48	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-12. Area 12

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.057	0.04	<0.086	42	6	48	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.036	0.02	<0.053	42	6	48	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.057	0.04	<0.085	42	6	48	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.043	0.03	<0.065	42	6	48	0	0%	0	0%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.087	0.05	<0.13	42	6	48	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.16	0.10	<0.24	42	6	48	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.19	0.12	<0.28	42	6	48	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.16	0.10	<0.23	42	6	48	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.13	0.08	<0.2	42	6	48	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.057	0.04	<0.086	42	6	48	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.056	0.04	<0.084	42	6	48	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.26	0.17	<0.4	42	6	48	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.097	0.06	<0.14	42	6	48	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1	0.64	<1.5	42	6	48	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.073	0.05	<0.11	42	6	48	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.06	0.04	<0.089	42	6	48	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.13	0.08	<0.2	42	6	48	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.057	0.04	<0.086	42	6	48	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.13	0.08	<0.2	42	6	48	0	0%	0	0%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.085	0.05	<0.13	42	6	48	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.023	0.01	<0.034	42	6	48	0	0%	0	0%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.29	0.33	1.70	42	6	48	7	15%	7	15%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.043	0.07	<2.2	42	6	48	0	0%	0	0%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.076	0.05	<0.11	42	6	48	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.048	0.03	<0.071	42	6	48	0	0%	0	0%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.059	0.04	<0.088	42	6	48	0	0%	0	0%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.045	0.03	<0.067	42	6	48	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.045	0.03	<0.067	42	6	48	0	0%	0	0%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.033	0.02	<0.049	42	6	48	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.057	0.04	<0.086	42	6	48	0	0%	0	0%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.1	0.06	<0.15	42	6	48	0	0%	0	0%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.061	0.04	<0.092	42	6	48	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.075	0.05	<0.11	42	6	48	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.04	0.03	0.10	42	6	48	2	4%	2	4%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.043	0.04	<0.18	42	6	48	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.26	0.16	<0.38	42	6	48	0	0%	0	0%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.015	0.01	<0.096	50	8	58	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.016	0.03	<0.4	50	8	58	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.014	0.02	<0.25	50	8	58	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.015	0.01	<0.031	50	8	58	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.014	0.01	<0.038	50	8	58	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.0094	0.01	<0.044	50	8	58	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.015	0.01	<0.039	50	8	58	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.036	0.05	<0.61	50	8	58	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.01	0.02	<0.38	50	8	58	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.02	0.01	<0.051	50	8	58	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.013	0.02	<0.19	50	8	58	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.0099	0.01	<0.039	50	8	58	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.016	0.01	<0.061	50	8	58	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.01	0.01	<0.1	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.016	0.01	<0.11	50	8	58	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.016	0.01	<0.031	50	8	58	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.014	0.01	<0.16	50	8	58	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.044	0.03	<0.28	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.018	0.02	<0.16	50	8	58	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-12. Area 12

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.017	0.01	<0.13	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.013	0.01	<0.034	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.011	0.01	<0.039	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.045	0.03	<0.09	50	8	58	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.013	0.01	<0.17	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.011	0.01	<0.089	50	8	58	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.022	0.02	<0.16	50	8	58	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.023	0.02	<0.15	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.0087	0.01	<0.046	50	8	58	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.0076	0.01	<0.087	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.014	0.02	<0.24	50	8	58	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.0076	0.01	<0.046	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.01	0.02	<0.21	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.13	0.11	<0.26	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.0088	0.01	<0.049	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.057	0.11	<0.25	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.0027	0.03	<0.49	50	8	58	0	0%	0	0%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.011	0.01	<0.035	50	8	58	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.011	0.01	<0.1	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.0091	0.02	<0.23	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.015	0.01	<0.09	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.016	0.02	<0.24	50	8	58	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.0093	0.02	0.58	50	8	58	2	3%	1	2%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.25	0.13	<0.53	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.011	0.01	<0.085	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.018	0.01	<0.047	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.0096	0.01	<0.13	50	8	58	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.014	0.03	0.25	50	8	58	13	22%	13	22%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.011	0.01	<0.051	50	8	58	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.012	0.01	<0.037	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.011	0.01	0.41	50	8	58	1	2%	1	2%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.011	0.02	<0.22	50	8	58	0	0%	0	0%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.0079	0.01	<0.051	50	8	58	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.015	0.01	<0.039	50	8	58	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.017	0.01	<0.13	50	8	58	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.01	0.01	<0.041	50	8	58	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.017	0.02	<0.28	50	8	58	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.011	0.01	<0.036	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.014	0.01	<0.041	50	8	58	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.013	0.01	<0.034	50	8	58	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.016	0.02	<0.22	50	8	58	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.015	0.01	<0.042	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.017	0.01	<0.14	50	8	58	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.012	0.01	<0.16	50	8	58	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.014	0.01	<0.045	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Phenol	mg/kg	<0.012	0.01	<0.11	50	8	58	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.012	0.01	<0.046	50	8	58	0	0%	0	0%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.85	1.6	15	50	8	58	30	52%	5	9%	0	0%	100	0	0%
Gasoline C4-C12	mg/kg	<0.81	1.2	11	50	8	58	6	10%	5	9%	0	0%	100	0	0%
Motor Oils	mg/kg	<1.9	9	110	40	8	48	40	83%	30	63%	0	0%	100	1	2%
Pesticide:																
Aldrin	ug/kg	<0.21	0.11	<0.22	50	8	58	0	0%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.98	47	50	8	58	3	5%	1	2%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.26	0.18	<0.61	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.27	0.26	<1.1	50	8	58	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-12. Area 12

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.15	0.10	<0.3	50	8	58	0	0%	0	0%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.33	0.24	<0.85	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.11	0.09	<0.32	50	8	58	0	0%	0	0%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.18	0.16	<0.68	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<0.43	0.54	<2.6	50	8	58	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.18	0.17	<0.73	50	8	58	0	0%	0	0%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<0.59	0.60	<2.6	50	8	58	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<0.43	0.55	<2.7	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.14	0.08	<0.22	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.3	0.27	<1.1	50	8	58	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.28	0.15	<0.38	50	8	58	0	0%	0	0%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.1	0.08	<0.28	50	8	58	0	0%	0	0%	0	0%	310000	0	0%
Methoxychlor	ug/kg	<0.41	0.40	2.3	50	8	58	1	2%	1	2%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<0.18	0.37	<2.1	50	8	58	0	0%	0	0%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.13	0.19	2.6	50	8	58	1	2%	0	0%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.1	0.59	12	50	8	58	3	5%	2	3%	0	0%	NA	0	0%
Toxaphene	ug/kg	<21	20	<88	50	8	58	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29.6	15.9	<48.5	50	8	58	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.24	3.9	<11.9	50	8	58	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.51	3.0	<9.04	50	8	58	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<31.6	17.0	<51.9	50	8	58	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<5.71	3.1	<9.37	50	8	58	0	0%	0	0%	0	0%	18000000	0	0%
Dichloroprop	ug/kg	<4.69	2.5	<7.7	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<14.3	7.7	<23.4	50	8	58	0	0%	0	0%	0	0%	620,000	0	0%
MCPA	ug/kg	<1430	768	<2340	50	8	58	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<857	461	<1410	50	8	58	0	0%	0	0%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7.04	3.8	<11.5	50	8	58	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	4.4	<12	50	8	58	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<12	7.4	<22	50	8	58	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<12	7.4	<22	50	8	58	0	0%	0	0%	0	0%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<12	7.4	<22	50	8	58	0	0%	0	0%	0	0%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<12	7.4	<22	50	8	58	0	0%	0	0%	0	0%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<12	7.4	<22	50	8	58	0	0%	0	0%	0	0%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.3	4.6	13	50	8	58	2	3%	2	3%	0	0%	37000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<20	11	<22	10	8	18	0	0%	0	0%	0	0%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-13. Utility Pipeline Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	1,700	5,335	8,700	60	5	65	65	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	99	170	310	60	5	65	3	100%	3	100%	62	95%	410,000	0	0%
Arsenic	ug/kg	2,300	5,134	25,000	60	5	65	65	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	30,000	54,169	130,000	60	5	65	65	100%	0	0%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	<80	219	400	60	5	65	47	72%	4	6%	0	0%	1,900,000	0	0%
Boron	mg/kg	<0.67	1.8	8.5	60	5	65	18	28%	13	20%	0	0%	200,000	0	0%
Cadmium	ug/kg	<190	309	2,500	60	5	65	48	74%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	1,200	6,123	12,000	60	5	65	65	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	2,400	5,129	23,000	60	5	65	65	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	1,400	3,729	6,500	60	5	65	65	100%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	48,000	661,862	8,600,000	60	5	65	65	100%	1	2%	0	0%	41,000,000	0	0%
Iron	mg/kg	5,500	11,218	42,000	60	5	65	65	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	2,900	33,069	1,300,000	60	5	65	65	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	550	3,056	5,600	60	5	65	65	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	48,000	157,585	390,000	60	5	65	65	100%	3	5%	0	0%	19,000,000	0	0%
Mercury	mg/kg	<0.00002	0.13	2.5	60	5	65	56	86%	9	14%	0	0%	310	0	0%
Molybdenum	ug/kg	<39	1,091	20,000	60	5	65	36	55%	20	31%	0	0%	5,100,000	0	0%
Nickel	ug/kg	3,000	5,557	14,000	60	5	65	65	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	780	1,276	2,300	60	5	65	65	100%	4	6%	0	0%	NA	0	0%
Selenium	ug/kg	<330	1,027	8,700	60	5	65	18	28%	9	14%	0	0%	5,100,000	0	0%
Silver	mg/kg	<0.0012	92	890	60	5	65	32	49%	24	37%	0	0%	5,100,000	0	0%
Sodium	mg/kg	100	283	1,500	60	5	65	65	100%	0	0%	0	0%	NA	0	0%
Thallium	ug/kg	<46	205	1,400	60	5	65	45	69%	39	60%	0	0%	67,000	0	0%
Thorium-232	mg/kg	4.1	14	235	60	5	65	65	100%	2	3%	0	0%	174	1	2%
Uranium	mg/kg	0.8	4.9	150	60	5	65	65	100%	2	3%	0	0%	200	0	0%
Vanadium	ug/kg	9,500	15,214	30,000	60	5	65	65	100%	0	0%	0	0%	1000000	0	0%
Zinc	ug/kg	<13000	31,362	350,000	60	5	65	54	83%	1	2%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	<0.2	1.1	4.6	60	5	65	64	98%	1	2%	0	0%	3.7	1	2%
Radium-228	pCi/g	<0.2	0.9	3.9	60	5	65	55	85%	5	8%	0	0%	8.4	0	0%
Acid/Base Potential:																
Acid Potential	t/kt	<1	3.8	47	60	5	65	46	71%	0	0%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	-47	15	36	60	5	65	65	100%	0	0%	0	0%	NA	0	0%
Neutralization Potential	t/kt	<1	19	36	60	5	65	64	98%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.042	2.6	<280	60	5	65	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.071	2.6	280.00	60	5	65	1	2%	1	2%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.086	8.8	<960	60	5	65	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.2	9.3	<1000	60	5	65	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.059	2.6	280.00	60	5	65	1	2%	1	2%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.094	3.7	<400	60	5	65	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.036	3.3	360.00	60	5	65	1	2%	1	2%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.069	2.6	<280	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.12	7.6	390	60	5	65	2	3%	2	3%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.086	2.6	<280	60	5	65	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.052	5,523	320,000	60	5	65	11	17%	8	12%	0	0%	170,000	1	2%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.56	15.9	1,700.00	60	5	65	1	2%	1	2%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.076	3.1	330.00	60	5	65	1	2%	1	2%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.077	2.6	<280	60	5	65	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.11	2.7	280.00	60	5	65	1	2%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.066	3.7	<400	60	5	65	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.057	1,908	110,000	60	5	65	9	14%	7	11%	0	0%	70,000	1	2%
1,3-Dichlorobenzene	ug/kg	<0.071	2.6	<280	60	5	65	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.062	2.9	310.00	60	5	65	2	3%	2	3%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.076	2.6	<280	60	5	65	0	0%	0	0%	0	0%	10,000,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-13. Utility Pipeline Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2,2-Dichloropropane	ug/kg	<0.066	2.6	<280	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	ug/kg	<0.041	2.8	290.00	60	5	65	1	2%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.066	4.0	<430	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.05	14.3	820	60	5	65	11	17%	11	17%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.1	2.6	<280	60	5	65	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.19	8.2	<880	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.22	15.7	<1700	60	5	65	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.18	2.9	<310	60	5	65	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.16	33.2	<3600	60	5	65	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.066	2.6	<280	60	5	65	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.065	2.6	280.00	60	5	65	1	2%	1	2%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.31	6.4	<680	60	5	65	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.11	5.5	590.00	60	5	65	1	2%	1	2%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1.2	8.8	<890	60	5	65	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.084	2.9	<310	60	5	65	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.069	3.6	<390	60	5	65	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.15	2.6	<280	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.066	5.3	<580	60	5	65	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.15	348	20,000	60	5	65	10	15%	8	12%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.099	4.7	<510	60	5	65	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.026	72.4	3,900	60	5	65	7	11%	7	11%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.3	11.1	<1200	60	5	65	0	0%	0	0%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.05	851	47,000	60	5	65	10	15%	8	12%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.088	2.6	<280	60	5	65	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.055	280	15,000	60	5	65	9	14%	5	8%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.068	83	4,600	60	5	65	4	6%	4	6%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.052	2.6	280.00	60	5	65	1	2%	1	2%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.052	69	4,100	60	5	65	4	6%	4	6%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.038	23	1,300	60	5	65	3	5%	1	2%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.066	2.6	280.00	60	5	65	2	3%	2	3%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.12	428	26,000	60	5	65	17	26%	15	23%	0	0%	2200000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.071	2.7	<290	60	5	65	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.086	36	3,900.00	60	5	65	5	8%	5	8%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.046	5.0	510.00	60	5	65	12	18%	12	18%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.05	2.6	<280	60	5	65	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.3	7,339	450,000	60	5	65	10	15%	5	8%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.12	0.23	<6.5	60	5	65	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.2	0.36	<10	60	5	65	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.22	0.41	<12	60	5	65	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.21	0.40	<11	60	5	65	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.057	0.10	<3	60	5	65	0	0%	0	0%	2	3%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.056	0.10	<3	60	5	65	0	0%	0	0%	2	3%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.041	0.07	<2.2	60	5	65	0	0%	0	0%	2	3%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.043	0.08	<2.3	60	5	65	0	0%	0	0%	2	3%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.07	0.12	<3.7	60	5	65	0	0%	0	0%	2	3%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.036	0.07	<1.9	60	5	65	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.053	0.10	<2.8	60	5	65	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.048	0.09	<2.6	60	5	65	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.076	0.14	<4.1	60	5	65	0	0%	0	0%	2	3%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.034	0.71	33	60	5	65	2	3%	2	3%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.053	0.09	<2.8	60	5	65	0	0%	0	0%	2	3%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.057	0.11	<3	60	5	65	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.083	0.15	<4.4	60	5	65	0	0%	0	0%	2	3%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.51	0.94	<27	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.51	0.94	<27	60	5	65	0	0%	0	0%	0	0%	180	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-13. Utility Pipeline Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4,6-Dinitro-2-Methylphenol	mg/kg	<0.042	0.07	<2.2	60	5	65	0	0%	0	0%	2	3%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.03	0.06	1.600	60	5	65	1	2%	1	2%	0	0%	NA	0	0%
4-Chloro-3-Methylphenol	mg/kg	<0.038	0.07	<2	60	5	65	0	0%	0	0%	2	3%	NA	0	0%
4-Chloroaniline	mg/kg	<0.3	0.57	<16	60	5	65	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.048	0.09	<2.5	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.041	0.07	<2.2	60	5	65	0	0%	0	0%	2	3%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.064	0.12	<3.4	60	5	65	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.086	0.15	<4.6	60	5	65	0	0%	0	0%	2	3%	NA	0	0%
Acenaphthene	mg/kg	<0.041	0.08	<2.2	60	5	65	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.04	0.08	<2.1	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.031	0.06	<1.7	60	5	65	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.017	0.04	0.930	60	5	65	3	5%	3	5%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.032	0.06	1.700	60	5	65	1	2%	1	2%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.06	1.700	60	5	65	2	3%	2	3%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.051	0.10	2.700	60	5	65	1	2%	1	2%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.042	0.08	2.200	60	5	65	1	2%	1	2%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.51	0.89	<27	60	5	65	0	0%	0	0%	2	3%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.069	0.12	<3.7	60	5	65	0	0%	0	0%	2	3%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.028	0.05	<1.5	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.059	0.11	<3.2	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.15	0.28	<8	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.14	0.27	<7.6	60	5	65	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.036	0.10	1.90	60	5	65	8	12%	8	12%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.26	8.88	<270	47	5	52	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.022	0.04	1.20	60	5	65	3	5%	3	5%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.05	0.09	<2.7	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.043	0.08	<2.3	60	5	65	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.039	0.07	<2.1	60	5	65	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.042	0.08	<2.2	60	5	65	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.022	0.04	<1.1	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.031	0.06	<1.7	60	5	65	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.018	0.04	0.96	60	5	65	4	6%	4	6%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.039	0.10	2.30	60	5	65	1	2%	1	2%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.033	0.06	<1.8	60	5	65	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.14	0.27	<7.6	60	5	65	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.071	0.13	<3.8	60	5	65	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.2	0.38	<11	60	5	65	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.049	0.09	2.60	60	5	65	1	2%	1	2%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.045	0.08	<2.4	60	5	65	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.024	0.60	23	60	5	65	2	3%	2	3%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.099	0.19	<5.3	60	5	65	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.063	0.12	<3.3	60	5	65	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.054	0.10	<2.9	60	5	65	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.11	0.20	<5.9	60	5	65	0	0%	0	0%	2	3%	12,000	0	0%
Phenanthrene	mg/kg	<0.031	0.11	3.50	60	5	65	3	5%	3	5%	0	0%	NA	0	0%
Phenol	mg/kg	<0.053	0.09	<2.8	60	5	65	0	0%	0	0%	2	3%	180,000	0	0%
Pyrene	mg/kg	<0.038	0.08	2.00	60	5	65	3	5%	3	5%	0	0%	29000	0	0%
TPH:																
Diesel Components	mg/kg	<0.85	475	8,300	60	5	65	58	89%	7	11%	0	0%	100	8	12%
Gasoline C4-C12	mg/kg	<3.4	131	7,400	60	5	65	3	5%	1	2%	0	0%	100	2	3%
Motor Oils	mg/kg	<1.9	1,415	60,000	60	5	65	61	94%	23	35%	0	0%	100	15	23%
Pesticide:																
Aldrin	ug/kg	<0.76	0.4	<0.76	60	5	65	0	0%	0	0%	2	3%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.93	0.5	<0.93	60	5	65	0	0%	0	0%	2	3%	400,000	0	0%
Alpha Endosulfan	ug/kg	<1.4	0.7	<1.4	60	5	65	0	0%	0	0%	2	3%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.72	0.4	<0.72	60	5	65	0	0%	0	0%	2	3%	NA	0	0%

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Table C1-13. Utility Pipeline Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.64	0.4	6.0	60	5	65	1	2%	0	0%	2	3%	160,000	0	0%
Beta Endosulfan	ug/kg	<1.5	0.9	12	60	5	65	1	2%	1	2%	2	3%	NA	0	0%
Chlordane	ug/kg	<14	7.0	<14	60	5	65	0	0%	0	0%	2	3%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.64	0.3	<0.64	60	5	65	0	0%	0	0%	2	3%	400,000	0	0%
Dieldrin	ug/kg	<0.96	1.5	24	60	5	65	3	5%	1	2%	2	3%	NA	0	0%
Endosulfan Sulfate	ug/kg	<1.2	0.6	<1.2	60	5	65	0	0%	0	0%	2	3%	31,000	0	0%
Endrin	ug/kg	<0.91	1.2	50	60	5	65	1	2%	1	2%	2	3%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<1.7	1.1	15	60	5	65	1	2%	1	2%	2	3%	180,000	0	0%
Endrin Ketone	ug/kg	<1.5	0.9	9	60	5	65	1	2%	0	0%	2	3%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.63	0.5	13	60	5	65	1	2%	0	0%	2	3%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.79	0.4	<0.79	60	5	65	0	0%	0	0%	2	3%	240,000	0	0%
Heptachlor	ug/kg	<0.69	0.5	8	60	5	65	1	2%	1	2%	2	3%	400000	0	0%
Heptachlor Epoxide	ug/kg	<0.96	0.5	<0.96	60	5	65	0	0%	0	0%	2	3%	310,000	0	0%
Methoxychlor	ug/kg	<1.8	0.9	<1.8	60	5	65	0	0%	0	0%	2	3%	8,000	0	0%
p,p'-DDD	ug/kg	<1.2	2.2	35	60	5	65	5	8%	1	2%	2	3%	3,100,000	0	0%
p,p'-DDE	ug/kg	<2	6.8	150	60	5	65	8	13%	3	5%	2	3%	NA	0	0%
p,p'-DDT	ug/kg	<0.88	22.5	670	60	5	65	26	41%	10	16%	1	2%	NA	0	0%
Toxaphene	ug/kg	<12	6.0	<12	60	5	65	0	0%	0	0%	2	3%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<20	10	440	60	5	65	1	2%	1	2%	15	23%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<30	15	<30	60	5	65	0	0%	0	0%	12	18%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<40	20	<40	60	5	65	0	0%	0	0%	12	18%	7,700,000	0	0%
Dalapon	ug/kg	<20	10	<20	60	5	65	0	0%	0	0%	12	18%	18000000	0	0%
Dicamba	ug/kg	<40	20	<40	60	5	65	0	0%	0	0%	12	18%	18,000,000	0	0%
Dichloroprop	ug/kg	<20	10	<20	60	5	65	0	0%	0	0%	12	18%	NA	0	0%
Dinoseb	ug/kg	<200	100	<200	60	5	65	0	0%	0	0%	12	18%	620,000	0	0%
MCPA	ug/kg	<5000	2,500	<5000	60	5	65	0	0%	0	0%	12	18%	310,000	0	0%
MCPP	ug/kg	<5000	2,500	<5000	60	5	65	0	0%	0	0%	12	18%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<40	20	<40	60	5	65	0	0%	0	0%	1	2%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<6.1	3.1	<6.2	60	5	65	0	0%	0	0%	2	3%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<10	5.3	<11	60	5	65	0	0%	0	0%	2	3%	37000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<19	9.5	<19	60	5	65	0	0%	0	0%	2	3%	37000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<9.9	4.9	<9.9	60	5	65	0	0%	0	0%	2	3%	37000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<13	12.8	390	60	5	65	1	2%	0	0%	2	3%	37000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<14	9.1	95	60	5	65	2	3%	0	0%	2	3%	37000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<6.7	5.8	160	60	5	65	1	2%	1	2%	2	3%	37000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-14. Electrical Transformer Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	5,600	6,660	7,800	5	0	5	5	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	39	90	180	5	0	5	5	100%	5	100%	0	0%	410,000	0	0%
Arsenic	ug/kg	5,400	8,320	15,000	5	0	5	5	100%	1	20%	0	0%	260,000	0	0%
Barium	ug/kg	51,000	60,600	72,000	5	0	5	5	100%	0	0%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	150	258	340	5	0	5	5	100%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<1.5	2.2	4.7	5	0	5	3	60%	2	40%	0	0%	200,000	0	0%
Cadmium	ug/kg	290	878	1,400	5	0	5	5	100%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	2,400	4,200	5,800	5	0	5	5	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	3,800	5,180	6,400	5	0	5	5	100%	1	20%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	3,700	4,860	6,500	5	0	5	5	100%	1	20%	0	0%	13,000,000	0	0%
Copper	ug/kg	310,000	1,370,000	2,700,000	5	0	5	5	100%	0	0%	0	0%	41,000,000	0	0%
Iron	mg/kg	11,000	13,600	18,000	5	0	5	5	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	9,000	23,600	50,000	5	0	5	5	100%	1	20%	0	0%	NA	0	0%
Magnesium	mg/kg	2,900	4,000	4,700	5	0	5	5	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	65,000	149,000	240,000	5	0	5	5	100%	0	0%	0	0%	19,000,000	0	0%
Mercury	mg/kg	0.2	0.5	1.4	5	0	5	5	100%	0	0%	0	0%	310	0	0%
Molybdenum	ug/kg	270	1,108	2,600	5	0	5	5	100%	3	60%	0	0%	5,100,000	0	0%
Nickel	ug/kg	6,800	7,560	8,300	5	0	5	5	100%	1	20%	0	0%	20,000,000	0	0%
Potassium	mg/kg	1,300	1,600	2,200	5	0	5	5	100%	0	0%	0	0%	NA	0	0%
Selenium	ug/kg	1,200	12,080	49,000	5	0	5	5	100%	2	40%	0	0%	5,100,000	0	0%
Silver	ug/kg	110	246	590	5	0	5	5	100%	0	0%	0	0%	5,100,000	0	0%
Sodium	mg/kg	140	166	210	5	0	5	5	100%	0	0%	0	0%	NA	0	0%
Thallium	ug/kg	170	604	1,200	5	0	5	5	100%	3	60%	0	0%	67,000	0	0%
Vanadium	ug/kg	15,000	16,600	19,000	5	0	5	5	100%	1	20%	0	0%	1,000,000	0	0%
Zinc	ug/kg	38,000	1,504,600	7,100,000	5	0	5	5	100%	1	20%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	NA	NA	NA			0							3.7	NA	NA
Radium-228	pCi/g	NA	NA	NA			0							8.4	NA	NA
Acid Base:																
Acid Potential	t/kt	<1	2.6	4.2	5	0	5	4	80%	0	0%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	2.8	7.3	14	5	0	5	5	100%	0	0%	0	0%	NA	0	0%
Neutralization Potential	t/kt	6.4	10	14	5	0	5	5	100%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	UG/KG	<0.048	0	<0.049	5	0	5	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	UG/KG	<0.082	0	<0.083	5	0	5	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	UG/KG	<0.1	0	<0.1	5	0	5	0	0%	0	0%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	UG/KG	<0.23	0	<0.23	5	0	5	0	0%	0	0%	0	0%	130,000	0	0%
1,1-Dichloroethane	UG/KG	<0.069	0	<0.07	5	0	5	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	UG/KG	<0.11	0	<0.11	5	0	5	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	UG/KG	<0.041	0	<0.042	5	0	5	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	UG/KG	<0.08	0	<0.081	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
1,2,3-Trichloropropane	UG/KG	<0.13	0	<0.14	5	0	5	0	0%	0	0%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	UG/KG	<0.099	0	<0.1	5	0	5	0	0%	0	0%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	UG/KG	<0.06	0.5	1.8	5	0	5	4	80%	4	80%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	UG/KG	<0.65	0	<0.66	5	0	5	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	UG/KG	<0.088	0	<0.089	5	0	5	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	UG/KG	<0.089	0	<0.09	5	0	5	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	UG/KG	<0.12	0	<0.12	5	0	5	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	UG/KG	<0.076	0	<0.077	5	0	5	0	0%	0	0%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	UG/KG	<0.066	0.1	0.5	5	0	5	1	20%	1	20%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	UG/KG	<0.082	0	<0.083	5	0	5	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	UG/KG	<0.072	0	<0.082	5	0	5	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	UG/KG	<0.088	0	<0.089	5	0	5	0	0%	0	0%	0	0%	10,000,000	0	0%
2,2-Dichloropropane	UG/KG	<0.077	0	<0.078	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
2-Chlorotoluene	UG/KG	<0.047	0	<0.048	5	0	5	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-14. Electrical Transformer Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4-Chlorotoluene	UG/KG	<0.076	0	<0.077	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Benzene	UG/KG	<0.058	0	<0.058	5	0	5	0	0%	0	0%	0	0%	120,000	0	0%
Bromobenzene	UG/KG	<0.12	0	<0.12	5	0	5	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	UG/KG	<0.22	0	<0.22	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	UG/KG	<0.25	0	<0.25	5	0	5	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	UG/KG	<0.21	0	<0.21	5	0	5	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	UG/KG	<0.18	0	<0.18	5	0	5	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	UG/KG	<0.077	0	<0.078	5	0	5	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	UG/KG	<0.075	0	<0.076	5	0	5	0	0%	0	0%	0	0%	530,000	0	0%
Chloroethane	UG/KG	<0.35	0	<0.36	5	0	5	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	UG/KG	<0.13	0	<0.13	5	0	5	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	UG/KG	<1.4	1	<1.4	5	0	5	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	UG/KG	<0.097	0	<0.098	5	0	5	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	UG/KG	<0.08	0	<0.081	5	0	5	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	UG/KG	<0.17	0	<0.18	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	UG/KG	<0.077	0	<0.078	5	0	5	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	UG/KG	<0.18	0.24	0.86	5	0	5	1	20%	1	20%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	UG/KG	<0.11	0.06	<0.12	5	0	5	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	UG/KG	<0.03	0.18	0.72	5	0	5	3	60%	3	60%	0	0%	2,000,000	0	0%
Methylene Chloride	UG/KG	<0.35	0.18	<0.35	5	0	5	0	0%	0	0%	0	0%	9,300,000	0	0%
Naphthalene	UG/KG	<0.058	0.06	<0.27	5	0	5	0	0%	0	0%	0	0%	190,000	0	0%
N-Butylbenzene	UG/KG	<0.1	0.08	0.15	5	0	5	2	40%	2	40%	0	0%	2,200,000	0	0%
N-Propylbenzene	UG/KG	<0.064	0.09	0.34	5	0	5	1	20%	1	20%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	UG/KG	<0.079	0.04	<0.08	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Sec-Butylbenzene	UG/KG	<0.06	0.03	<0.06	5	0	5	0	0%	0	0%	0	0%	1,600,000	0	0%
Styrene	UG/KG	<0.06	0.07	0.11	5	0	5	3	60%	3	60%	0	0%	18,000,000	0	0%
T-Butylbenzene	UG/KG	<0.043	0.02	<0.044	5	0	5	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	UG/KG	<0.077	0.04	<0.078	5	0	5	0	0%	0	0%	0	0%	130,000	0	0%
Toluene	UG/KG	<0.14	0.20	0.29	5	0	5	4	80%	4	80%	0	0%	2,200,000	0	0%
Trans-1,2-Dichloroethene	UG/KG	<0.082	0.04	<0.083	5	0	5	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	UG/KG	<0.1	0.05	<0.1	5	0	5	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	UG/KG	<0.053	0.03	<0.054	5	0	5	0	0%	0	0%	0	0%	1,300,000	0	0%
Vinyl Chloride	UG/KG	<0.058	0.03	<0.058	5	0	5	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	UG/KG	<0.34	1.20	5.30	5	0	5	1	20%	0	0%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.12	0	<0.61	5	0	5	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.2	0	<0.97	5	0	5	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.22	0	<1.1	5	0	5	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.21	0	<1.1	5	0	5	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.057	0	<0.28	5	0	5	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.056	0	<0.28	5	0	5	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.041	0	<0.2	5	0	5	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.043	0	<0.21	5	0	5	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.07	0	<0.35	5	0	5	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.036	0	<0.18	5	0	5	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.053	0	<0.26	5	0	5	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.048	0	<0.24	5	0	5	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.077	0	<0.38	5	0	5	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.034	0.04	0.17	5	0	5	1	20%	1	20%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.053	0.05	<0.27	5	0	5	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.057	0.06	<0.28	5	0	5	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.083	0.08	<0.41	5	0	5	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.51	0.50	<2.5	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.51	0.50	<2.5	5	0	5	0	0%	0	0%	0	0%	180	0	0%
4,6-Dinitro-2-Methylphenol	mg/kg	<0.042	0.04	<0.21	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.03	0.03	<0.15	5	0	5	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-14. Electrical Transformer Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4-Chloro-3-Methylphenol	mg/kg	<0.038	0.04	<0.19	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.31	0.30	<1.5	5	0	5	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.048	0.05	<0.24	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.042	0.04	<0.21	5	0	5	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.064	0.06	<0.32	5	0	5	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.087	0.09	<0.43	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.041	0.06	0.20	5	0	5	1	20%	1	20%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.04	0.04	<0.2	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.031	0.03	<0.16	5	0	5	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.017	0.04	0.10	5	0	5	1	20%	1	20%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.032	0.05	0.16	5	0	5	1	20%	1	20%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.033	0.11	0.38	5	0	5	1	20%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.051	0.05	<0.25	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.042	0.07	0.21	5	0	5	1	20%	1	20%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.51	1	<2.5	5	0	5	0	0%	0	0%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.07	0	<0.35	5	0	5	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.028	0	<0.14	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.06	0	<0.3	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ethe	mg/kg	<0.15	0	<0.75	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.14	0	<0.71	5	0	5	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	0	0.42	0.72	5	0	5	5	100%	5	100%	0	0%	12,000	0	0%
Chrysene	mg/kg	<0.023	0.20	0.90	5	0	5	2	40%	1	20%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.05	0.06	0.25	5	0	5	1	20%	1	20%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.043	0.06	0.21	5	0	5	1	20%	1	20%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.039	0.04	<0.2	5	0	5	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.042	0.04	<0.21	5	0	5	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.022	0.02	<0.11	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.031	0.03	<0.16	5	0	5	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.018	0.46	2.20	5	0	5	2	40%	1	20%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.039	0.06	0.19	5	0	5	1	20%	1	20%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.033	0.03	<0.16	5	0	5	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.14	0.14	<0.71	5	0	5	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.071	0.07	<0.36	5	0	5	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.2	0.20	<1	5	0	5	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.049	0.05	<0.24	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.045	0.04	<0.22	5	0	5	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.024	0.02	<0.12	5	0	5	0	0%	0	0%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.099	0.10	<0.49	5	0	5	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.063	0.06	<0.31	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.054	0.05	<0.27	5	0	5	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.11	0.11	<0.55	5	0	5	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.031	0.67	3.20	5	0	5	1	20%	0	0%	0	0%	NA	0	0%
Phenol	mg/kg	<0.054	0.05	<0.27	5	0	5	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.039	0.56	2.60	5	0	5	2	40%	1	20%	0	0%	29,000	0	0%
TPH:																
Diesel Components	mg/kg	2.6	22	47	5	0	5	5	100%	1	20%	0	0%	100	0	0%
Gasoline C4-C12	mg/kg	NA	NA	NA	5	0	5	0	0%	0	0%	5	100%	100	0	0%
Motor Oils	mg/kg	10	214	480	5	0	5	5	100%	0	0%	0	0%	100	3	60%
Pesticide:																
Aldrin	ug/kg	<0.76	0	<0.76	5	0	5	0	0%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.93	0	<0.93	5	0	5	0	0%	0	0%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<1.4	1	<1.4	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.72	0	<0.72	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.64	0	<0.64	5	0	5	0	0%	0	0%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<1.5	1	<1.5	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Chlordane	ug/kg	<14	7	<14	5	0	5	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-14. Electrical Transformer Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.64	0	<0.64	5	0	5	0	0%	0	0%	0	0%	400,000	0	0%
Dieldrin	ug/kg	<0.96	0	<0.96	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<1.2	1	<1.2	5	0	5	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.91	0	<0.91	5	0	5	0	0%	0	0%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<1.7	1	<1.7	5	0	5	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<1.5	1	<1.5	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.63	0	<0.63	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.79	0	<0.79	5	0	5	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.69	0	<0.69	5	0	5	0	0%	0	0%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.96	0	<0.96	5	0	5	0	0%	0	0%	0	0%	310,000	0	0%
Methoxychlor	ug/kg	<1.8	1	<1.8	5	0	5	0	0%	0	0%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<1.2	1	<1.2	5	0	5	0	0%	0	0%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<2	2.8	6.0	5	0	5	2	40%	1	20%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<0.88	5.7	13	5	0	5	4	80%	1	20%	0	0%	NA	0	0%
Toxaphene	ug/kg	<12	6	<12	5	0	5	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<10	5	<10	5	0	5	0	0%	0	0%	0	0%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<15	8	<15	5	0	5	0	0%	0	0%	0	0%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<20	10	<20	5	0	5	0	0%	0	0%	0	0%	7,700,000	0	0%
Dalapon	ug/kg	<10	5	<10	5	0	5	0	0%	0	0%	0	0%	18,000,000	0	0%
Dicamba	ug/kg	<20	10	<20	5	0	5	0	0%	0	0%	0	0%	18,000,000	0	0%
Dichloroprop	ug/kg	<10	5	<10	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
Dinoseb	ug/kg	<100	50	<100	5	0	5	0	0%	0	0%	0	0%	620,000	0	0%
MCPA	ug/kg	<2500	1,250	<2500	5	0	5	0	0%	0	0%	0	0%	310,000	0	0%
MCPP	ug/kg	<2500	1,250	<2500	5	0	5	0	0%	0	0%	0	0%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<20	10	<20	5	0	5	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<6.2	3	<6.2	5	0	5	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<10	5	<11	5	0	5	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<19	10	<19	5	0	5	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<9.9	5	<9.9	5	0	5	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<13	7	<14	5	0	5	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<14	14.0	42	5	0	5	1	20%	1	20%	0	0%	37,000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<6.7	3	<6.8	5	0	5	0	0%	0	0%	0	0%	37,000	0	0%

NA - Not Applicable, no screening level established.

(1) Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

(2) Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal

Appendix C1 - Statistical Summary Tables
Table C1-15. Stained Soil Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Metals:																
Aluminum	mg/kg	3,300	5,556	9,900	9	0	9	9	100%	0	0%	0	0%	920,000	0	0%
Antimony	ug/kg	NA	NA	NA	9	0	9	0	0%	0	0%	9	100%	410,000	0	0%
Arsenic	ug/kg	2,600	6,000	12,000	9	0	9	9	100%	0	0%	0	0%	260,000	0	0%
Barium	ug/kg	38,000	68,222	150,000	9	0	9	9	100%	0	0%	0	0%	67,000,000	0	0%
Beryllium	ug/kg	<160	204	410	9	0	9	6	67%	0	0%	0	0%	1,900,000	0	0%
Boron	mg/kg	<1.7	2.1	6.4	9	0	9	3	33%	2	22%	0	0%	200,000	0	0%
Cadmium	ug/kg	<160	358	1,200	9	0	9	7	78%	0	0%	0	0%	450,000	0	0%
Calcium	mg/kg	3,300	5,778	9,700	9	0	9	9	100%	0	0%	0	0%	NA	0	0%
Chromium, Total	ug/kg	2,800	7,578	21,000	9	0	9	9	100%	0	0%	0	0%	2,500,000	0	0%
Cobalt	ug/kg	2,300	3,911	9,900	9	0	9	9	100%	0	0%	0	0%	13,000,000	0	0%
Copper	ug/kg	48,000	857,000	3,900,000	9	0	9	9	100%	0	0%	0	0%	41,000,000	0	0%
Iron	mg/kg	7,100	9,856	16,000	9	0	9	9	100%	0	0%	0	0%	310,000	0	0%
Lead	ug/kg	2,500	25,678	110,000	9	0	9	9	100%	0	0%	0	0%	NA	0	0%
Magnesium	mg/kg	2,000	3,433	5,900	9	0	9	9	100%	0	0%	0	0%	NA	0	0%
Manganese	ug/kg	100,000	135,556	220,000	9	0	9	9	100%	0	0%	0	0%	19,000,000	0	0%
Mercury	mg/kg	0.0004	0.20	0.83	9	0	9	9	100%	1	11%	0	0%	310	0	0%
Molybdenum	ug/kg	250	2,438	16,000	9	0	9	9	100%	1	11%	0	0%	5,100,000	0	0%
Nickel	ug/kg	3,100	5,600	12,000	9	0	9	9	100%	0	0%	0	0%	20,000,000	0	0%
Potassium	mg/kg	770	1,437	2,600	9	0	9	9	100%	0	0%	0	0%	NA	0	0%
Selenium	ug/kg	<170	1,222	4,100	9	0	9	8	89%	6	67%	0	0%	5,100,000	0	0%
Silver	mg/kg	<0.02	41	83	9	0	9	6	67%	6	67%	0	0%	5,100,000	0	0%
Sodium	mg/kg	170	234	350	9	0	9	9	100%	0	0%	0	0%	NA	0	0%
Thallium	ug/kg	42	238	660	9	0	9	9	100%	8	89%	0	0%	67,000	0	0%
Thorium-232	mg/kg	4.8	5.9	8.0	3	0	3	3	100%	0	0%	0	0%	174	0	0%
Uranium	mg/kg	1.3	2.4	4.4	3	0	3	3	100%	0	0%	0	0%	200	0	0%
Vanadium	ug/kg	9,100	15,567	31,000	9	0	9	9	100%	0	0%	0	0%	1,000,000	0	0%
Zinc	ug/kg	12,000	49,222	160,000	9	0	9	9	100%	0	0%	0	0%	310,000,000	0	0%
Radionuclides:																
Radium-226	pCi/g	0.9	1.6	2.1	3	0	3	3	100%	0	0%	0	0%	3.7	0	0%
Radium-228	pCi/g	0.2	0.3	0.4	3	0	3	3	100%	0	0%	0	0%	8.4	0	0%
Acid Base:																
Acid Potential	t/kt	4.0	7.0	10	3	0	3	3	100%	0	0%	0	0%	NA	0	0%
Acid/Base Potential	t/kt	9.0	14	20	3	0	3	3	100%	0	0%	0	0%	NA	0	0%
Neutralization Potential	t/kt	17	21	24	3	0	3	3	100%	0	0%	0	0%	NA	0	0%
VOC:																
1,1,1,2-Tetrachloroethane	ug/kg	<0.039	0.16	<2.6	9	0	9	0	0%	0	0%	0	0%	2,000,000	0	0%
1,1,1-Trichloroethane	ug/kg	<0.066	0.18	<2.6	9	0	9	0	0%	0	0%	0	0%	6,900,000	0	0%
1,1,2,2-Tetrachloroethane	ug/kg	<0.082	3.10	27	9	0	9	2	22%	2	22%	0	0%	4,000,000	0	0%
1,1,2-Trichloroethane	ug/kg	<0.18	0.63	9.50	9	0	9	1	11%	1	11%	0	0%	130,000	0	0%
1,1-Dichloroethane	ug/kg	<0.055	0.17	<2.6	9	0	9	0	0%	0	0%	0	0%	1,700,000	0	0%
1,1-Dichloroethene	ug/kg	<0.087	0.25	<3.7	9	0	9	0	0%	0	0%	0	0%	410,000	0	0%
1,1-Dichloropropene	ug/kg	<0.033	0.21	<3.4	9	0	9	0	0%	0	0%	0	0%	54,000	0	0%
1,2,3-Trichlorobenzene	ug/kg	<0.064	0.50	3.0	9	0	9	1	11%	1	11%	0	0%	NA	0	0%
1,2,3-Trichloropropane	ug/kg	<0.11	0.24	3.0	9	0	9	1	11%	1	11%	0	0%	79,000	0	0%
1,2,4-Trichlorobenzene	ug/kg	<0.079	0.43	2.6	9	0	9	1	11%	1	11%	0	0%	220,000	0	0%
1,2,4-Trimethylbenzene	ug/kg	<0.05	108	960	9	0	9	5	56%	3	33%	0	0%	170,000	0	0%
1,2-Dibromo-3-Chloropropane	ug/kg	<0.52	1.15	<16	9	0	9	0	0%	0	0%	0	0%	11,000	0	0%
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	<0.07	0.21	<3.1	9	0	9	0	0%	0	0%	0	0%	140,000	0	0%
1,2-Dichlorobenzene	ug/kg	<0.071	0.18	<2.6	9	0	9	0	0%	0	0%	0	0%	4,100,000	0	0%
1,2-Dichloroethane	ug/kg	<0.099	0.19	<2.6	9	0	9	0	0%	0	0%	0	0%	28,000	0	0%
1,2-Dichloropropane	ug/kg	<0.061	0.24	3.70	9	0	9	1	11%	1	11%	0	0%	21,000	0	0%
1,3,5-Trimethylbenzene (Mesitylene)	ug/kg	<0.055	31	270	9	0	9	5	56%	4	44%	0	0%	70,000	0	0%
1,3-Dichlorobenzene	ug/kg	<0.066	0.18	<2.6	9	0	9	0	0%	0	0%	0	0%	2,100,000	0	0%
1,3-Dichloropropane	ug/kg	<0.058	0.19	<2.9	9	0	9	0	0%	0	0%	0	0%	360,000	0	0%
1,4-Dichlorobenzene	ug/kg	<0.07	0.18	<2.6	9	0	9	0	0%	0	0%	0	0%	10,000,000	0	0%
2,2-Dichloropropane	ug/kg	<0.062	0.18	<2.6	9	0	9	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-15. Stained Soil Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
2-Chlorotoluene	ug/kg	<0.038	0.17	<2.7	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
4-Chlorotoluene	ug/kg	<0.061	0.25	<4	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Benzene	ug/kg	<0.046	0.39	3.3	9	0	9	2	22%	2	22%	0	0%	120,000	0	0%
Bromobenzene	ug/kg	<0.093	0.19	<2.6	9	0	9	0	0%	0	0%	0	0%	92,000	0	0%
Bromochloromethane	ug/kg	<0.17	0.55	<8.3	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Bromodichloromethane	ug/kg	<0.2	0.99	<16	9	0	9	0	0%	0	0%	0	0%	810,000	0	0%
Bromoform	ug/kg	<0.17	0.24	<2.9	9	0	9	0	0%	0	0%	0	0%	12,000,000	0	0%
Bromomethane	ug/kg	<0.14	19.0	<340	9	0	9	0	0%	0	0%	0	0%	13,000	0	0%
Carbon Tetrachloride	ug/kg	<0.062	0.18	<2.6	9	0	9	0	0%	0	0%	0	0%	7,300	0	0%
Chlorobenzene	ug/kg	<0.06	0.26	2.60	9	0	9	1	11%	1	11%	0	0%	530,000	0	0%
Chloroethane	ug/kg	<0.28	0.50	<6.4	9	0	9	0	0%	0	0%	0	0%	18,000,000	0	0%
Chloroform	ug/kg	<0.1	0.36	<5.6	9	0	9	0	0%	0	0%	0	0%	190,000	0	0%
Chloromethane	ug/kg	<1.1	1.01	<8.4	9	0	9	0	0%	0	0%	0	0%	160,000	0	0%
Cis-1,2-Dichloroethylene	ug/kg	<0.078	0.20	<2.9	9	0	9	0	0%	0	0%	0	0%	150,000	0	0%
Dibromochloromethane	ug/kg	<0.064	0.23	<3.6	9	0	9	0	0%	0	0%	0	0%	1,500,000	0	0%
Dibromomethane	ug/kg	<0.14	0.21	<2.6	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Dichlorodifluoromethane	ug/kg	<0.062	0.34	<5.5	9	0	9	0	0%	0	0%	0	0%	310,000	0	0%
Ethylbenzene	ug/kg	<0.14	1.64	14	9	0	9	2	22%	2	22%	0	0%	7,400,000	0	0%
Hexachlorobutadiene	ug/kg	<0.092	0.31	<4.8	9	0	9	0	0%	0	0%	0	0%	180,000	0	0%
Isopropylbenzene (Cumene)	ug/kg	<0.024	2.71	24	9	0	9	2	22%	2	22%	0	0%	2,000,000	0	0%
Methylene Chloride	ug/kg	<0.28	2.14	18	9	0	9	1	11%	1	11%	0	0%	9,300,000	0	0%
Naphthalene	ug/kg	<0.047	109	980	9	0	9	3	33%	2	22%	0	0%	190,000	0	0%
N-Butylbenzene	ug/kg	<0.082	0.19	<2.6	9	0	9	0	0%	0	0%	0	0%	2,200,000	0	0%
N-Propylbenzene	ug/kg	<0.051	8.7	76	9	0	9	2	22%	1	11%	0	0%	2,200,000	0	0%
P-Cymene (P-Isopropyltoluene)	ug/kg	<0.066	11.4	98	9	0	9	4	44%	3	33%	0	0%	NA	0	0%
Sec-Butylbenzene	ug/kg	<0.048	14.5	130	9	0	9	1	11%	0	0%	0	0%	1,600,000	0	0%
Styrene	ug/kg	<0.048	0.84	7.3	9	0	9	2	22%	2	22%	0	0%	18,000,000	0	0%
T-Butylbenzene	ug/kg	<0.035	0.16	<2.6	9	0	9	0	0%	0	0%	0	0%	2,000,000	0	0%
Tetrachloroethylene(Pce)	ug/kg	<0.063	2.59	23	9	0	9	2	22%	2	22%	0	0%	130,000	0	0%
Toluene	ug/kg	<0.11	1.22	10	9	0	9	2	22%	2	22%	0	0%	2,200,000	0	0%
Trans-1,2-Dichloroethene	ug/kg	<0.066	0.18	<2.7	9	0	9	0	0%	0	0%	0	0%	230,000	0	0%
Trichloroethene (Tce)	ug/kg	<0.08	2.04	<36	9	0	9	0	0%	0	0%	0	0%	110,000	0	0%
Trichlorofluoromethane	ug/kg	<0.043	0.29	<4.8	9	0	9	0	0%	0	0%	0	0%	1,300,000	0	0%
Vinyl Chloride	ug/kg	<0.046	0.17	<2.6	9	0	9	0	0%	0	0%	0	0%	140,000	0	0%
Xylenes, Total	ug/kg	<0.28	17.0	150	9	0	9	3	33%	2	22%	0	0%	900,000	0	0%
SVOC:																
1,2,4-Trichlorobenzene	mg/kg	<0.097	0.58	<3.2	9	0	9	0	0%	0	0%	0	0%	220	0	0%
1,2-Dichlorobenzene	mg/kg	<0.41	1.41	<5.1	9	0	9	0	0%	0	0%	0	0%	4,100	0	0%
1,3-Dichlorobenzene	mg/kg	<0.25	1.16	<5.7	9	0	9	0	0%	0	0%	0	0%	2,100	0	0%
1,4-Dichlorobenzene	mg/kg	<0.031	0.73	<5.6	9	0	9	0	0%	0	0%	0	0%	10,000	0	0%
2,4,5-Trichlorophenol	mg/kg	<0.038	0.26	<1.5	9	0	9	0	0%	0	0%	0	0%	62,000	0	0%
2,4,6-Trichlorophenol	mg/kg	<0.045	0.27	<1.5	9	0	9	0	0%	0	0%	0	0%	62	0	0%
2,4-Dichlorophenol	mg/kg	<0.039	0.21	<1.1	9	0	9	0	0%	0	0%	0	0%	1,800	0	0%
2,4-Dimethylphenol	mg/kg	<0.43	1.35	<7.7	9	0	9	0	0%	0	0%	0	0%	12,000	0	0%
2,4-Dinitrophenol	mg/kg	<0.38	0.96	<4.7	9	0	9	0	0%	0	0%	0	0%	1,200	0	0%
2,4-Dinitrotoluene	mg/kg	<0.051	0.22	<0.94	9	0	9	0	0%	0	0%	0	0%	1,200	0	0%
2,6-Dinitrotoluene	mg/kg	<0.2	0.55	<2.4	9	0	9	0	0%	0	0%	0	0%	620	0	0%
2-Chloronaphthalene	mg/kg	<0.039	0.23	<1.3	9	0	9	0	0%	0	0%	0	0%	23,000	0	0%
2-Chlorophenol	mg/kg	<0.061	0.36	<2	9	0	9	0	0%	0	0%	0	0%	240	0	0%
2-Methylnaphthalene	mg/kg	<0.11	0.89	5.5	9	0	9	1	11%	0	0%	0	0%	NA	0	0%
2-Methylphenol (O-Cresol)	mg/kg	<0.11	0.39	<1.4	9	0	9	0	0%	0	0%	0	0%	31,000	0	0%
2-Nitroaniline	mg/kg	<0.031	0.24	<1.5	9	0	9	0	0%	0	0%	0	0%	1,800	0	0%
2-Nitrophenol	mg/kg	<0.17	0.58	<2.2	9	0	9	0	0%	0	0%	0	0%	43,000	0	0%
3,3'-Dichlorobenzidine	mg/kg	<0.28	2.10	<13	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
3-Nitroaniline	mg/kg	<0.16	1.88	<13	9	0	9	0	0%	0	0%	0	0%	180	0	0%
4,6-Dinitro-2-Methylphenol	mg/kg	<0.13	0.38	<1.6	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
4-Bromophenyl Phenyl Ether	mg/kg	<0.034	0.16	<0.78	9	0	9	0	0%	0	0%	0	0%	NA	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-15. Stained Soil Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
4-Chloro-3-Methylphenol	mg/kg	<0.04	0.20	<1	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
4-Chloroaniline	mg/kg	<0.091	1.13	<8	9	0	9	0	0%	0	0%	0	0%	2,500	0	0%
4-Chlorophenyl Phenyl Ether	mg/kg	<0.18	0.49	<2.2	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
4-Methylphenol (P-Cresol)	mg/kg	<0.09	0.31	<1.1	9	0	9	0	0%	0	0%	0	0%	3,100	0	0%
4-Nitroaniline	mg/kg	<0.16	0.52	<2	9	0	9	0	0%	0	0%	0	0%	1,800	0	0%
4-Nitrophenol	mg/kg	<0.15	0.58	<2.3	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Acenaphthene	mg/kg	<0.047	0.22	<1.1	9	0	9	0	0%	0	0%	0	0%	29,000	0	0%
Acenaphthylene	mg/kg	<0.088	0.30	<1.1	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Anthracene	mg/kg	<0.24	0.57	<3	9	0	9	0	0%	0	0%	0	0%	240,000	0	0%
Benzo(A)Anthracene	mg/kg	<0.046	0.15	<0.57	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Benzo(A)Pyrene	mg/kg	<0.21	0.52	<2.6	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Benzo(B)Fluoranthene	mg/kg	<0.26	0.62	<3.2	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Benzo(G,H,I)Perylene	mg/kg	<0.05	0.25	<1.3	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Benzo(K)Fluoranthene	mg/kg	<0.11	0.36	<1.4	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Benzoic Acid	mg/kg	<0.49	2.53	<13	9	0	9	0	0%	0	0%	0	0%	2,500,000	0	0%
Benzyl Alcohol	mg/kg	<0.035	0.28	<1.8	9	0	9	0	0%	0	0%	0	0%	180,000	0	0%
Benzyl Butyl Phthalate	mg/kg	<0.1	1.79	7.3	9	0	9	5	56%	3	33%	0	0%	NA	0	0%
Bis(2-Chloroethoxy) Methane	mg/kg	<0.23	0.64	<2.9	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	<0.091	0.65	<3.9	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Bis(2-Chloroisopropyl) Ether	mg/kg	<0.25	0.93	<3.7	9	0	9	0	0%	0	0%	0	0%	4,000	0	0%
Bis(2-Ethylhexyl) Phthalate	mg/kg	<0.096	0.53	2.5	9	0	9	1	11%	1	11%	0	0%	12,000	0	0%
Carbazole	mg/kg	<0.53	16.6	<130	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Chrysene	mg/kg	<0.086	0.24	<1.1	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Dibenz(A,H)Anthracene	mg/kg	<0.047	0.25	<1.3	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Dibenzofuran	mg/kg	<0.13	0.39	<1.6	9	0	9	0	0%	0	0%	0	0%	1,600	0	0%
Diethyl Phthalate	mg/kg	<0.22	0.56	<2.7	9	0	9	0	0%	0	0%	0	0%	490,000	0	0%
Dimethyl Phthalate	mg/kg	<0.052	0.23	<1.1	9	0	9	0	0%	0	0%	0	0%	6,200,000	0	0%
Di-N-Butyl Phthalate	mg/kg	<0.028	0.12	<0.56	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Di-N-Octylphthalate	mg/kg	<0.066	0.23	<0.82	9	0	9	0	0%	0	0%	0	0%	25,000	0	0%
Fluoranthene	mg/kg	<0.18	0.49	<2.7	9	0	9	0	0%	0	0%	0	0%	22,000	0	0%
Fluorene	mg/kg	<0.051	0.22	<1	9	0	9	0	0%	0	0%	0	0%	26,000	0	0%
Hexachlorobenzene	mg/kg	<0.039	0.18	<0.87	9	0	9	0	0%	0	0%	0	0%	490	0	0%
Hexachlorobutadiene	mg/kg	<0.13	0.70	<3.7	9	0	9	0	0%	0	0%	0	0%	180	0	0%
Hexachlorocyclopentadiene	mg/kg	<0.042	0.31	<1.9	9	0	9	0	0%	0	0%	0	0%	3,700	0	0%
Hexachloroethane	mg/kg	<0.28	1.18	<5.3	9	0	9	0	0%	0	0%	0	0%	620	0	0%
Indeno(1,2,3-C,D)Pyrene	mg/kg	<0.036	0.23	<1.3	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Isophorone	mg/kg	<0.041	0.22	<1.2	9	0	9	0	0%	0	0%	0	0%	120,000	0	0%
Naphthalene	mg/kg	<0.035	0.23	1.0	9	0	9	1	11%	1	11%	0	0%	190	0	0%
Nitrobenzene	mg/kg	<0.23	0.75	<2.8	9	0	9	0	0%	0	0%	0	0%	100	0	0%
N-Nitrosodi-N-Propylamine	mg/kg	<0.043	0.28	<1.6	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
N-Nitrosodiphenylamine	mg/kg	<0.14	0.44	<1.7	9	0	9	0	0%	0	0%	0	0%	12,000	0	0%
Pentachlorophenol	mg/kg	<0.17	0.68	<2.9	9	0	9	0	0%	0	0%	0	0%	12,000	0	0%
Phenanthrene	mg/kg	<0.045	0.73	4.0	9	0	9	4	44%	4	44%	0	0%	NA	0	0%
Phenol	mg/kg	<0.11	0.39	<1.4	9	0	9	0	0%	0	0%	0	0%	180,000	0	0%
Pyrene	mg/kg	<0.046	0.21	<1	9	0	9	0	0%	0	0%	0	0%	29,000	0	0%
TPH:																
Diesel Components	mg/kg	34	4,293	16,000	9	0	9	9	100%	1	11%	0	0%	100	7	78%
Gasoline C4-C12	mg/kg	<22	15.3	82	9	0	9	3	33%	0	0%	0	0%	100	0	0%
Motor Oils	mg/kg	250	10,394	33,000	9	0	9	9	100%	1	11%	0	0%	100	9	100%
Pesticide:																
Aldrin	ug/kg	<0.21	0.5	<2.1	9	0	9	0	0%	0	0%	0	0%	18,000	0	0%
Alpha Bhc (Alpha Hexachlorocyclohexane)	ug/kg	<0.18	0.5	<1.9	9	0	9	0	0%	0	0%	0	0%	400,000	0	0%
Alpha Endosulfan	ug/kg	<0.57	1.1	<5.8	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Alpha-Chlordane	ug/kg	<0.72	5.2	33	9	0	9	1	11%	1	11%	0	0%	NA	0	0%
Beta Bhc (Beta Hexachlorocyclohexane)	ug/kg	<0.29	0.8	2.9	9	0	9	3	33%	2	22%	0	0%	160,000	0	0%
Beta Endosulfan	ug/kg	<0.8	1.4	<8	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Delta Bhc (Delta Hexachlorocyclohexane)	ug/kg	<0.31	0.6	<3.1	9	0	9	0	0%	0	0%	0	0%	400,000	0	0%

Appendix C1 - Statistical Summary Tables
Table C1-15. Stained Soil Areas

	Unit	Minimum	Average[1]	Maximum	Normal Samples	Field Duplicate	Total Analyzed	Number Detected	Freq. of Detection	Number Estimated	Frequency Estimated	Number Rejected	Frequency Rejected	Screening PRG[2]	Number >PRG	Frequency >PRG
Dieldrin	ug/kg	<0.64	1.6	6.4	9	0	9	1	11%	0	0%	0	0%	NA	0	0%
Endosulfan Sulfate	ug/kg	<1.2	3.7	<25	9	0	9	0	0%	0	0%	0	0%	31,000	0	0%
Endrin	ug/kg	<0.69	1.2	<7	9	0	9	0	0%	0	0%	0	0%	3,700,000	0	0%
Endrin Aldehyde	ug/kg	<1.7	3.8	<25	9	0	9	0	0%	0	0%	0	0%	180,000	0	0%
Endrin Ketone	ug/kg	<1.5	3.8	<25	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Gamma Bhc (Lindane)	ug/kg	<0.2	0.4	<2.1	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
Gamma-Chlordane	ug/kg	<0.79	1.6	<10	9	0	9	0	0%	0	0%	0	0%	240,000	0	0%
Heptachlor	ug/kg	<0.36	0.7	<3.6	9	0	9	0	0%	0	0%	0	0%	400,000	0	0%
Heptachlor Epoxide	ug/kg	<0.27	0.7	2.7	9	0	9	1	11%	1	11%	0	0%	310,000	0	0%
Methoxychlor	ug/kg	<1.5	17.2	140	9	0	9	1	11%	1	11%	0	0%	8,000	0	0%
p,p'-DDD	ug/kg	<1.2	7.9	34	9	0	9	2	22%	1	11%	0	0%	3,100,000	0	0%
p,p'-DDE	ug/kg	<0.67	2.1	6.8	9	0	9	2	22%	1	11%	0	0%	NA	0	0%
p,p'-DDT	ug/kg	<1.8	37	220	9	0	9	5	56%	2	22%	0	0%	NA	0	0%
Toxaphene	ug/kg	<12	119	<840	9	0	9	0	0%	0	0%	0	0%	430,000	0	0%
Herbicide:																
2,4 DB	ug/kg	<29.9	15.2	<30.9	9	0	9	0	0%	0	0%	3	33%	4,900,000	0	0%
2,4,5-T (Trichlorophenoxyacetic Acid)	ug/kg	<7.32	3.7	<7.55	9	0	9	0	0%	0	0%	3	33%	6,200,000	0	0%
2,4-D (Dichlorophenoxyacetic Acid)	ug/kg	<5.57	2.8	<5.74	9	0	9	0	0%	0	0%	3	33%	7,700,000	0	0%
Dalapon	ug/kg	<32	16.2	<33	9	0	9	0	0%	0	0%	3	33%	18,000,000	0	0%
Dicamba	ug/kg	<5.77	2.9	<5.96	9	0	9	0	0%	0	0%	3	33%	18,000,000	0	0%
Dichloroprop	ug/kg	<4.74	2.4	<4.89	9	0	9	0	0%	0	0%	3	33%	NA	0	0%
Dinoseb	ug/kg	<14.4	7.3	<14.9	9	0	9	0	0%	0	0%	4	44%	620,000	0	0%
MCPA	ug/kg	<1440	731	<1490	9	0	9	0	0%	0	0%	3	33%	310,000	0	0%
MCPP	ug/kg	<866	439	<894	9	0	9	0	0%	0	0%	3	33%	620,000	0	0%
Silvex (2,4,5-Tp)	ug/kg	<7.11	9.1	<40	9	0	9	0	0%	0	0%	0	0%	NA	0	0%
PCB:																
PCB-1016 (AROCHLOR 1016)	ug/kg	<1.8	3.9	<19	9	0	9	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1221 (AROCHLOR 1221)	ug/kg	<10	31	<210	9	0	9	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1232 (AROCHLOR 1232)	ug/kg	<19	33	<210	9	0	9	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1242 (AROCHLOR 1242)	ug/kg	<9.9	31	<210	9	0	9	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1248 (AROCHLOR 1248)	ug/kg	<13	32	<210	9	0	9	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1254 (AROCHLOR 1254)	ug/kg	<14	32	<210	9	0	9	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1260 (AROCHLOR 1260)	ug/kg	<1.4	3.4	<14	9	0	9	0	0%	0	0%	0	0%	37,000	0	0%
PCB-1268 (AROCHLOR 1268)	ug/kg	<21	29	<210	6	0	6	0	0%	0	0%	0	0%	37,000	0	0%

NA - Not Applicable, no screening level established.

[1] Mathematical average. Non-detected results are averaged as one half the value of the minimum detection limit.

[2] Screening PRG based on EPA Region IX Industrial Worker Preliminary Remediation Goal