TABLE 1
EXPOSURE POINT CONCENTRATIONS (mg/kg)
SOUTH AREA SURFACE SOIL*

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Tot}Soil_{Comb}$ (1)	EPA Region 6 Soil Screening Criteria (2)		95% UCL	Statistic Used (3)	# of Detects/# of Samples	Min of PCL or EPA #	(Min PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
2-Methylnaphthalene	2.97E-02	5.01E-01	1.06E-02	2.48E+03	---		7.90E-02	97.5% KM (Chebyshev)	22 of 83	2.5E+03	2.5E+02	
4,4'-DDD	3.07E-03	2.43E-02	2.64E-03	1.04E+02	1.10E+01	<	2.70E-04	median	5 of 83	1.1E+01	1.1E+00	
4,4'-DDE	1.92E-03	6.93E-02	4.28E-04	7.32E+01	7.80E+00		7.52E-03	97.5% KM (Chebyshev)	17 of 83	7.8E+00	7.8E-01	
4,4'-DDT	3.89E-03	6.25E-02	2.81E-04	6.84E+01	7.80E+00		1.03E-02	97.5% KM (Chebyshev)	37 of 83	7.8E+00	7.8E-01	
Acenaphthene	6.08E-02	1.69E+00	1.13E-02	3.72E+04	3.30E+04		2.00E-01	97.5% KM (Chebyshev)	26 of 83	3.3E+04	3.3E+03	
Acenaphthylene	4.55E-02	9.35E-01	1.84E-02	3.72E+04	---		1.21E-01	97.5% KM (Chebyshev)	19 of 83	3.7E+04	3.7E+03	
Aluminum	**5.34E+03**	**1.52E+04**	**4.14E+02**	**5.70E+05**	**1.00E+05**		**5.95E+03**	**95% Student's-t**	**83 of 83**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Anthracene	9.71E-02	2.46E+00	1.12E-02	1.86E+05	1.00E+05		2.99E-01	97.5% KM (Chebyshev)	37 of 83	1.0E+05	1.0E+04	
Antimony	1.65E+00	5.14E+00	2.00E-01	3.06E+02	4.50E+02		2.24E+00	97.5% KM (Chebyshev)	72 of 83	3.1E+02	3.1E+01	
Aroclor-1254	**1.46E-01**	**7.98E+00**	**3.34E-03**	**7.10E+00**	**8.30E-01**		**7.64E-01**	**97.5% KM (Chebyshev)**	**13 of 85**	**8.3E-01**	**8.3E-02**	**Max Detect Exceedance**
Arsenic	**3.74E+00**	**2.43E+01**	**2.60E-01**	**1.96E+02**	**1.80E+00**		**6.49E+00**	**97.5% KM (Chebyshev)**	**71 of 83**	**1.8E+00**	**1.8E-01**	**Max Detect Exceedance**
Barium	3.45E+02	2.18E+03	1.86E+01	8.90E+04	7.90E+04		5.84E+02	97.5% KM (Chebyshev)	83 of 83	7.9E+04	7.9E+03	
Benzo(a)anthracene	**3.57E-01**	**5.02E+00**	**2.86E-02**	**2.36E+01**	**2.30E+00**		**9.03E-01**	**97.5% KM (Chebyshev)**	**30 of 83**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(a)pyrene	**4.53E-01**	**4.57E+00**	**1.03E-02**	**2.37E+00**	**2.30E-01**		**1.09E+00**	**97.5% KM (Chebyshev)**	**65 of 83**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Benzo(b)fluoranthene	**5.88E-01**	**5.42E+00**	**4.08E-02**	**2.36E+01**	**2.30E+00**		**1.10E+00**	**95% KM (Chebyshev)**	**61 of 83**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(g,h,i)perylene	3.04E-01	4.24E+00	9.89E-03	1.86E+04	---		7.89E-01	97.5% KM (Chebyshev)	51 of 83	1.9E+04	1.9E+03	
Benzo(k)fluoranthene	**2.44E-01**	**4.25E+00**	**1.95E-02**	**2.37E+02**	**2.30E+01**		**6.58E-01**	**97.5% KM (Chebyshev)**	**33 of 83**	**2.3E+01**	**2.3E+00**	**Max Detect Exceedance**
Beryllium	4.08E-01	4.60E+00	1.40E-02	2.47E+02	2.20E+03		7.68E-01	97.5% KM (Chebyshev)	82 of 83	2.5E+02	2.5E+01	
Boron	5.56E+00	5.44E+01	2.43E+00	1.90E+05	1.00E+05		7.07E+00	97.5% KM (Bootstrap)	34 of 83	1.0E+05	1.0E+04	
Butyl Benzyl Phthalate	1.90E-02	2.97E-01	1.29E-02	1.00E+04	2.40E+02	<	1.25E-02	median	6 of 83	2.4E+02	2.4E+01	
Cadmium	4.69E-01	9.71E+00	2.30E-02	8.52E+02	5.60E+02		1.25E+00	97.5% KM (Chebyshev)	50 of 83	5.6E+02	5.6E+01	
Carbazole	6.20E-02	1.54E+00	1.04E-02	9.54E+02	9.60E+01		1.95E-01	97.5% KM (Chebyshev)	29 of 83	9.6E+01	9.6E+00	
Chromium	**1.61E+01**	**1.36E+02**	**3.37E+00**	**5.71E+04**	**5.00E+02**		**2.68E+01**	**97.5% Chebyshev**	**83 of 83**	**5.0E+02**	**5.0E+01**	**Max Detect Exceedance**
Chrysene	4.09E-01	4.87E+00	9.32E-03	2.36E+03	2.30E+02		9.84E-01	97.5% KM (Chebyshev)	56 of 83	2.3E+02	2.3E+01	
Cobalt	3.71E+00	1.60E+01	4.90E-02	2.70E+02	2.10E+03		5.25E+00	97.5% KM (Chebyshev)	82 of 83	2.7E+02	2.7E+01	
Copper	2.80E+01	2.16E+02	1.55E+00	3.69E+04	4.20E+04		5.22E+01	97.5% KM (Chebyshev)	83 of 83	3.7E+04	3.7E+03	
Dibenz(a,h)anthracene	**1.87E-01**	**1.64E+00**	**6.39E-02**	**2.37E+00**	**2.30E-01**		**2.45E-01**	**95% KM (Bootstrap)**	**36 of 83**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Dibenzofuran	3.41E-02	8.21E-01	1.67E-02	2.73E+03	1.70E+03		7.23E-02	95% KM (BCA)	17 of 83	1.7E+03	1.7E+02	
Dieldrin	**1.40E-03**	**2.05E-02**	**2.43E-04**	**1.14E+00**	**1.20E-01**		**3.14E-03**	**97.5% KM (Chebyshev)**	**21 of 83**	**1.2E-01**	**1.2E-02**	**Max Detect Exceedance**
Di-n-butyl Phthalate	9.38E-02	7.53E-01	3.68E-02	1.62E+04	6.80E+04		1.25E-01	97.5% KM (Chebyshev)	9 of 83	1.6E+04	1.6E+03	
Endosulfan Sulfate	2.09E-03	7.13E-02	4.56E-04	4.09E+03	---		4.21E-03	95% KM (BCA)	17 of 83	4.1E+03	4.1E+02	
Endrin Aldehyde	8.82E-03	7.38E-02	4.97E-04	2.04E+02	---		8.72E-03	97.5% KM (Chebyshev)	22 of 83	2.0E+02	2.0E+01	
Endrin Ketone	2.25E-03	2.00E-02	4.69E-04	1.77E+02	---		4.41E-03	97.5% KM (Chebyshev)	18 of 83	1.8E+02	1.8E+01	
Fluoranthene	8.00E-01	1.42E+01	1.33E-02	2.48E+04	2.40E+04		2.14E+00	97.5% KM (Chebyshev)	59 of 83	2.4E+04	2.4E+03	
Fluorene	5.18E-02	1.11E+00	9.45E-03	2.48E+04	2.60E+04		1.57E-01	97.5% KM (Chebyshev)	28 of 83	2.5E+04	2.5E+03	
gamma-Chlordane	1.23E-03	1.56E-02	7.10E-04	5.10E+01	---		2.90E-03	97.5% KM (Chebyshev)	8 of 83	5.1E+01	5.1E+00	
Indeno(1,2,3-cd)pyrene	**4.83E-01**	**6.49E+00**	**6.34E-02**	**2.37E+01**	**2.30E+00**		**9.31E-01**	**95% KM (Chebyshev)**	**63 of 83**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Iron	**1.63E+04**	**7.71E+04**	**3.45E+03**	**---**	**1.00E+05**		**2.40E+04**	**97.5% Chebyshev**	**83 of 83**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Lead	**6.96E+01**	**6.43E+02**	**2.82E+00**	**1.60E+03**	**8.00E+02**		**1.47E+02**	**97.5% Chebyshev**	**83 of 83**	**8.0E+02**	**8.0E+01**	**Max Detect Exceedance**
Lithium	7.86E+00	2.80E+01	6.50E-01	1.90E+03	2.30E+04		1.18E+01	97.5% Chebyshev	83 of 83	1.9E+03	1.9E+02	
Manganese	2.57E+02	8.92E+02	5.93E+01	2.41E+04	3.50E+04		2.81E+02	95% Student's-t	83 of 83	2.4E+04	2.4E+03	
Mercury	**2.22E-02**	**6.60E-01**	**3.20E-03**	**3.26E+00**	**3.40E+02**		**7.42E-02**	**97.5% KM (Chebyshev)**	**37 of 83**	**3.3E+00**	**3.3E-01**	**Max Detect Exceedance**
Molybdenum	1.32E+00	8.42E+00	9.80E-02	4.51E+03	5.70E+03		2.40E+00	97.5% KM (Chebyshev)	71 of 83	4.5E+03	4.5E+02	
Nickel	1.16E+01	3.67E+01	2.84E+00	7.94E+03	2.30E+04		1.50E+01	97.5% KM (Chebyshev)	83 of 83	7.9E+03	7.9E+02	
Phenanthrene	5.13E-01	1.26E+01	1.39E-02	1.86E+04	---		1.06E+04	97.5% KM (Chebyshev)	57 of 83	1.9E+04	1.9E+03	
Pyrene	5.32E-01	8.47E+00	1.21E-02	1.86E+04	3.20E+04		1.36E+00	97.5% KM (Chebyshev)	57 of 83	1.9E+04	1.9E+03	
Strontium	7.06E+01	5.27E+02	1.65E+01	4.91E+05	1.00E+05		1.01E+02	95% Chebyshev	83 of 83	1.0E+05	1.0E+04	
Tin	8.06E-01	4.95E+00	5.20E-01	3.97E+05	---		1.31E+00	97.5% KM (Chebyshev)	23 of 83	4.0E+05	4.0E+04	
Titanium	2.98E+01	6.45E+02	1.15E+01	1.00E+06	---		6.30E+01	95% Chebyshev	83 of 83	1.0E+06	1.0E+05	
Vanadium	1.38E+01	4.56E+01	5.42E+00	2.29E+03	1.10E+03		1.80E+01	97.5% Chebyshev	83 of 83	1.1E+03	1.1E+02	
Zinc	6.01E+02	4.77E+03	1.23E+01	2.45E+05	1.00E+05		1.06E+03	97.5% Chebyshev	81 of 83			

Notes:
* Surface soil was collected from 0 to 0.5 ft. below ground surface.
+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.

(1) - $^{Tot}Soil_{Comb}$ PCL = TCEQ protective concentration Level for 30 acre source area Commercial/Industrial total soil combined pathway (includes inhalation; ingestion; dermal pathways).
(2) - From EPA's "Region 6 Human Health Medium-Specific Screening Levels 2004-2005". Industrial Outdoor Worker.
(3) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

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TABLE 2
EXPOSURE POINT CONCENTRATIONS (mg/kg)
SOUTH AREA SOIL*

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Tot}Soil_{Comb}$ (1)	EPA Region 6 Soil Screening Criteria (2)		95% UCL	Statistic Used (3)	# of Detects/# of Samples	Min of PCL or EPA #	(Min PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
1,3,5-Trimethylbenzene	9.89E-02	4.36E+00	2.67E-04	8.32E+01	7.80E+01		5.56E-01	97.5% KM (Chebyshev)	9 of 83	7.8E+01	7.8E+00	
2-Butanone	3.29E-03	2.26E-02	9.92E-04	7.26E+04	3.40E+04		4.14E-03	95% KM (Bootstrap)	4 of 83	3.4E+04	3.4E+03	
2-Hexanone	1.65E-03	2.07E-02	1.09E-03	7.92E+01	---		3.63E-02	97.5% KM (Chebyshev)	8 of 83	7.9E+01	7.9E+00	
2-Methylnaphthalene	6.97E-02	7.21E+00	1.06E-02	2.48E+03	---		1.60E-01	95% KM (BCA)	32 of 166	2.5E+03	2.5E+02	
4,4'-DDD	**7.76E-03**	**1.12E+00**	**3.69E-04**	**1.04E+02**	**1.10E+01**		**5.08E-02**	**97.5% KM (Chebyshev)**	**21 of 166**	**1.1E+01**	**1.1E+00**	**Max Detect Exceedance**
4,4'-DDE	1.58E-03	6.93E-02	4.28E-04	7.32E+01	7.80E+00		2.81E-03	95% KM (BCA)	22 of 166	7.8E+00	7.8E-01	
4,4'-DDT	3.75E-03	1.13E-01	2.81E-04	6.84E+01	7.80E+00		9.27E-03	97.5% KM (Chebyshev)	68 of 166	7.8E+00	7.8E-01	
Acenaphthene	4.33E-02	1.69E+00	1.13E-02	3.72E+04	3.30E+04		1.16E-01	97.5% KM (Chebyshev)	35 of 166	3.3E+04	3.3E+03	
Acenaphthylene	4.84E-02	1.20E+00	1.72E-02	3.72E+04	---		7.19E-02	95% KM (BCA)	37 of 166	3.7E+04	3.7E+03	
Acetone	3.70E-02	1.60E-01	3.10E-02	8.11E+03	1.00E+05		5.41E-02	97.5% KM (Chebyshev)	10 of 83	8.1E+03	8.1E+02	
Aluminum	**6.45E+03**	**1.57E+04**	**4.14E+02**	**5.70E+05**	**1.00E+05**		**8.20E+03**	**97.5% Chebyshev**	**166 of 166**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Anthracene	8.89E-02	2.46E+00	1.12E-02	1.86E+05	1.00E+05		1.24E-01	95% KM (BCA)	65 of 166	1.0E+05	1.0E+04	
Antimony	1.45E+00	5.51E+00	2.00E-01	3.06E+02	4.50E+02		1.87E+00	97.5% KM (Chebyshev)	144 of 166	3.1E+02	3.1E+01	
Aroclor-1254	**2.16E-01**	**1.15E+01**	**3.34E-03**	**7.10E+00**	**8.30E-01**		**7.73E-01**	**97.5% KM (Chebyshev)**	**25 of 170**	**8.3E-01**	**8.3E-02**	**Max Detect Exceedance**
Arsenic	**3.33E+00**	**2.43E+01**	**2.30E-01**	**1.96E+02**	**1.80E+00**		**4.92E+00**	**97.5% KM (Chebyshev)**	**139 of 166**	**1.8E+00**	**1.8E-01**	**Max Detect Exceedance**
Barium	2.37E+02	2.18E+03	1.86E+01	8.90E+04	7.90E+04		3.30E+02	95% Chebyshev	166 of 166	7.9E+04	7.9E+03	
Benzene	3.89E-03	2.21E-02	3.39E-04	1.11E+02	1.60E+00		6.09E-03	97.5% KM (Chebyshev)	72 of 83	1.6E+00	1.6E-01	
Benzo(a)anthracene	**2.69E-01**	**5.02E+00**	**1.18E-02**	**2.36E+01**	**2.30E+00**		**6.43E-01**	**97.5% KM (Chebyshev)**	**44 of 166**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(a)pyrene	**3.48E-01**	**4.88E+00**	**9.99E-03**	**2.37E+00**	**2.30E-01**		**7.63E-01**	**97.5% KM (Chebyshev)**	**113 of 166**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Benzo(b)fluoranthene	**4.77E-01**	**5.97E+00**	**4.08E-02**	**2.36E+01**	**2.30E+00**		**8.22E-01**	**95% KM (Chebyshev)**	**102 of 166**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(g,h,i)perylene	2.17E-01	4.24E+00	9.89E-03	1.86E+04	---		4.94E-01	97.5% KM (Chebyshev)	81 of 166	1.9E+04	1.9E+03	
Benzo(k)fluoranthene	**1.58E-01**	**4.25E+00**	**1.58E-02**	**2.37E+02**	**2.30E+01**		**3.81E-01**	**97.5% KM (Chebyshev)**	**45 of 166**	**2.3E+01**	**2.3E+00**	**Max Detect Exceedance**
Beryllium	4.65E-01	4.60E+00	1.40E-02	2.47E+02	2.20E+03		5.25E-01	95% KM (BCA)	165 of 166	2.5E+02	2.5E+01	
Boron	5.68E+00	5.44E+01	2.43E+00	1.92E+05	1.00E+05		6.51E+00	95% KM (Bootstrap)	72 of 166	1.0E+05	1.0E+04	
Butyl Benzyl Phthalate	2.01E-02	6.17E-01	1.29E-02	1.00E+04	2.40E+02		4.72E-02	97.5% KM (Chebyshev)	10 of 166	2.4E+02	2.4E+01	
Cadmium	3.40E-01	9.71E+00	2.30E-02	8.52E+02	5.60E+02		4.67E-01	95% KM (Bootstrap)	93 of 166	5.6E+02	5.6E+01	
Carbazole	4.64E-02	1.54E+00	1.04E-02	9.54E+02	9.60E+01		1.19E-01	97.5% KM (Chebyshev)	42 of 166	9.6E+01	9.6E+00	
Carbon Disulfide	1.67E-03	2.80E-02	9.87E-04	7.19E+03	7.20E+02		3.92E-03	97.5% KM (Chebyshev)	13 of 83	7.2E+02	7.2E+01	
Chromium	**1.35E+01**	**1.36E+02**	**2.03E+00**	**5.71E+04**	**5.00E+02**		**1.78E+01**	**95% Chebyshev**	**166 of 166**	**5.0E+02**	**5.0E+01**	**Max Detect Exceedance**
Chrysene	3.28E-01	4.87E+00	9.01E-03	2.36E+03	2.30E+02		7.12E-01	97.5% KM (Chebyshev)	93 of 166	2.3E+02	2.3E+01	
Cobalt	4.11E+00	1.60E+01	4.90E-02	2.70E+02	2.10E+03		4.35E+00	95% Winsor-t	165 of 166	2.7E+02	2.7E+01	
Copper	2.43E+01	4.87E+02	1.30E-01	3.69E+04	4.20E+04		4.01E+01	95% KM (Chebyshev)	164 of 166	3.7E+04	3.7E+03	
Cyclohexane	2.65E-01	2.17E+01	6.26E-04	4.20E+04	6.80E+03		1.91E+00	97.5% KM (Chebyshev)	47 of 83	6.8E+03	6.8E+02	
Dibenz(a,h)anthracene	**1.48E-01**	**1.64E+00**	**6.19E-02**	**2.37E+00**	**2.30E-01**		**1.80E-01**	**95% KM (Bootstrap)**	**56 of 166**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Dibenzofuran	3.34E-02	8.21E-01	1.67E-02	2.73E+03	1.70E+03		7.31E-02	97.5% KM (Chebyshev)	23 of 166	1.7E+03	1.7E+02	
Dieldrin	**8.89E-04**	**2.05E-02**	**2.43E-04**	**1.14E+00**	**1.20E-01**		**2.11E-03**	**97.5% KM (Chebyshev)**	**33 of 166**	**1.2E-01**	**1.2E-02**	**Max Detect Exceedance**
Di-n-butyl Phthalate	4.18E-02	7.53E-01	3.11E-02	1.62E+04	6.80E+04		7.65E-02	97.5% KM (Chebyshev)	11 of 166	1.6E+04	1.6E+03	
Endosulfan Sulfate	1.27E-03	7.13E-02	7.13E-02	4.09E+03	---		2.30E-03	95% KM (BCA)	21 of 166	4.1E+03	4.1E+02	
Endrin Aldehyde	2.01E-03	7.38E-02	4.97E-04	2.04E+02	---		3.54E-03	95% KM (BCA)	31 of 166	2.0E+02	2.0E+01	
Endrin Ketone	1.35E-03	2.00E-02	4.69E-04	1.77E+02	---		2.53E-03	97.5% KM (Chebyshev)	25 of 166	1.8E+02	1.8E+01	
Ethylbenzene	3.40E-03	1.05E-01	6.54E-04	1.00E+04	2.30E+02		5.91E-03	95% KM (Bootstrap)	47 of 83	2.3E+02	2.3E+01	
Fluoranthene	5.95E-01	1.42E+01	1.33E-02	2.48E+04	2.40E+04		1.41E+00	97.5% KM (Chebyshev)	96 of 166	2.4E+04	2.4E+03	
Fluorene	4.44E-02	1.11E+00	9.45E-03	2.48E+04	2.60E+04		1.07E-01	97.5% KM (Chebyshev)	41 of 166	2.5E+04	2.5E+03	
gamma-Chlordane	9.98E-04	1.56E-02	7.10E-04	5.10E+01	---		1.84E-03	97.5% KM (Chebyshev)	12 of 166	5.1E+01	5.1E+00	
Indeno(1,2,3-cd)pyrene	**3.85E-01**	**6.49E+00**	**5.74E-02**	**2.37E+01**	**2.30E+00**		**6.58E-01**	**95% KM (Chebyshev)**	**104 of 166**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Iron	**1.43E+04**	**7.71E+04**	**2.41E+03**	**---**	**1.00E+05**		**1.75E+04**	**95% Chebyshev**	**166 of 166**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Isopropylbenzene (cumene)	**8.31E-01**	**6.49E+01**	**3.18E-04**	**6.25E+03**	**5.80E+02**		**5.85E+00**	**97.5% KM (Chebyshev)**	**16 of 83**	**5.8E+02**	**5.8E+01**	**Max Detect Exceedance**
Lead	**5.35E+01**	**7.02E+02**	**2.48E+00**	**1.60E+03**	**8.00E+02**		**1.04E+02**	**97.5% Chebyshev**	**166 of 166**	**8.0E+02**	**8.0E+01**	**Max Detect Exceedance**
Lithium	1.00E+01	2.86E+01	6.50E-01	1.90E+03	2.30E+04		1.22E+01	95% Chebyshev	166 of 166	1.9E+03	1.9E+02	
m,p-Xylene	3.43E-02	2.56E+00	5.58E-04	6.50E+03	2.10E+02		1.69E-01	95% KM (Chebyshev)	53 of 83	2.1E+02	2.1E+01	
Manganese	2.61E+02	8.92E+02	5.93E+01	2.41E+04	3.50E+04		2.78E+02	95% Student's-t	166 of 166	2.4E+04	2.4E+03	
Mercury	**2.56E-02**	**8.50E-01**	**2.60E-03**	**3.26E+00**	**3.40E+02**		**4.00E-02**	**95%KM (BCA)**	**73 of 166**	**3.3E+00**	**3.3E-01**	**Max Detect Exceedance**
Methylcyclohexane	3.66E-02	2.73E+00	2.23E-04	3.29E+04	1.40E+02		1.80E-01	95% KM (Chebyshev)	57 of 83	1.4E+02	1.4E+01	
Molybdenum	9.05E-01	1.04E+01	8.80E-02	4.51E+03	5.70E+03		1.62E+00	97.5% KM (Chebyshev)	118 of 166	4.5E+03	4.5E+02	
Naphthalene	**3.26E-01**	**1.92E+01**	**4.82E-03**	**1.90E+02**	**2.10E+02**	**<**	**2.65E-03**	**median**	**8 of 83**	**1.9E+02**	**1.9E+01**	**Max Detect Exceedance**
Nickel	1.17E+01	3.67E+01	2.70E+00	7.94E+03	2.30E+04		1.24E+01	95% Student's-t	166 of 166	7.9E+03	7.9E+02	
n-Propylbenzene	2.37E-02	1.80E+00	2.30E-04	4.10E+03	2.40E+02		1.63E-01	97.5% KM (Chebyshev)	14 of 83	2.4E+02	2.4E+01	
o-Xylene	1.30E-02	8.40E-01	2.23E-04	8.00E+03	2.80E+02		7.75E-02	97.5% KM (Chebyshev)	32 of 83	2.8E+02	2.8E+01	
Phenanthrene	4.02E-01	1.26E+01	1.36E-02	1.86E+04	---		9.99E-01	97.5% KM (Chebyshev)	95 of 166	1.9E+04	1.9E+03	
Pyrene	4.32E-01	8.47E+00	1.21E-02	1.86E+04	3.20E+04		9.71E-01	97.5% KM (Chebyshev)	98 of 166	1.9E+04	1.9E+03	
Strontium	7.56E+01	5.91E+02	1.65E+01	4.91E+05	1.00E+05		1.01E+02	95% Chebyshev	166 of 166	1.0E+05	1.0E+04	
Tin	8.11E-01	6.48E+00	5.20E-01	3.97E+05	---		1.20E+00	97.5% KM (Chebyshev)	40 of 166	4.0E+05	4.0E+04	
Titanium	2.58E+01	6.45E+02	4.02E+00	1.00E+06	---		3.22E+01	95% Student's-t	166 of 166	1.0E+06	1.0E+05	
Toluene	3.99E-03	1.92E-02	7.21E-04	2.90E+04	5.20E+02		6.04E-03	97.5% KM (Chebyshev)	69 of 83	5.2E+02	5.2E+01	
Vanadium	1.44E+01	4.56E+01	4.73E+00	2.29E+03	1.10E+03		1.73E+01	97.5% Chebyshev	166 of 166	1.1E+03	1.1E+02	
Xylene (total)	4.73E-02	3.40E+00	7.77E-04	6.50E+03	2.10E+02		3.04E-01	97.5% KM (Chebyshev)	53 of 83	2.1E+02	2.1E+01	
Zinc	4.34E+02	7.65E+03	6.17E+00	2.45E+05	1.00E+05		8.15E+02	97.5% Chebyshev	166 of 166	1.0E+05	1.0E+04	

Notes:
* Soil was collected from 0 to 4 ft. below ground surface.
+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.

(1) - $^{Tot}Soil_{Comb}$ PCL = TCEQ Protective Concentration Level for 30 acre source area Commercial/Industrial total soil combined pathway (includes inhalation; ingestion; dermal pathways).

(2) - From EPA's "Region 6 Human Health Medium-Specific Screening Levels 2004-2005".
Industrial Outdoor Worker.
(3) - Recommended exposure point concentration to be used based on data distribution per Pro UCL
(see Appendix A).

TABLE 3
EXPOSURE POINT CONCENTATIONS (mg/L)
SOUTH AREA ZONE A GROUNDWATER

Chemical of Interest+	Average		RME EPC (1)	Notes:	# of Detects/# of Samples
1,1,1-Trichloroethane	1.85E-04		1.40E-03	RME EPC is max detect	1 of 13
1,1-Dichloroethane	2.10E-03		1.50E-02	RME EPC is max detect	3 of 13
2-Butanone	4.30E-04		3.00E-03	RME EPC is max detect	1 of 13
2-Methylnaphthalene	7.76E-04		8.80E-03	RME EPC is max detect	1 of 13
4,4'-DDE	3.34E-06		1.00E-05	RME EPC is max detect	1 of 13
Acetophenone	3.72E-03		4.60E-02	RME EPC is max detect	1 of 13
Acrylonitrile	1.00E-03		6.50E-03	RME EPC is max detect	1 of 13
Aluminum	7.13E-01		7.52E+00	RME EPC is max detect	7 of 13
Antimony	1.02E-02		4.30E-02	RME EPC is max detect	8 of 13
Arsenic	1.61E-02		5.70E-02	RME EPC is max detect	2 of 13
Barium	9.88E-02		2.20E-01	RME EPC is max detect	13 of 13
Benzene	4.25E-04		4.20E-03	RME EPC is max detect	1 of 13
Benzo(a)pyrene	1.06E-04		6.00E-04	RME EPC is max detect	1 of 13
Benzo(b)fluoranthene	3.26E-04		2.80E-03	RME EPC is max detect	1 of 13
Benzo(g,h,i)perylene	2.11E-04		1.60E-03	RME EPC is max detect	1 of 13
Benzoic Acid	8.40E-04		1.20E-03	RME EPC is max detect	8 of 13
Bis(2-ethylhexyl)Phthalate	1.46E-03		6.00E-04	RME EPC is max detect*	2 of 13
Boron	2.67E+00		4.04E+00	RME EPC is max detect	13 of 13
Carbazole	7.00E-04		8.40E-03	RME EPC is max detect	1 of 13
Carbon Disulfide	6.50E-05		3.00E-04	RME EPC is max detect	1 of 13
Chromium	5.53E-02		1.50E-01	RME EPC is max detect	13 of 13
Chrysene	1.93E-04		6.00E-04	RME EPC is max detect	1 of 13
cis-1,2-Dichloroethene	3.27E-03		3.00E-02	RME EPC is max detect	4 of 13
Cobalt	3.06E-03		8.90E-03	RME EPC is max detect	7 of 13
Cyclohexane	6.09E-04		6.80E-03	RME EPC is max detect	1 of 13
Dibenz(a,h)anthracene	2.90E-04		2.10E-03	RME EPC is max detect	1 of 13
Di-n-octyl Phthalate	2.08E-04		7.00E-04	RME EPC is max detect	1 of 13
Endosulfan II	5.61E-06		3.10E-05	RME EPC is max detect	1 of 14
Endosulfan Sulfate	8.57E-06		1.00E-04	RME EPC is max detect	1 of 14
Endrin Ketone	3.74E-06		2.30E-05	RME EPC is max detect	1 of 13
Fluorene	1.84E-04		1.00E-03	RME EPC is max detect	1 of 13
gamma-BHC (Lindane)	7.66E-06		4.20E-05	RME EPC is max detect	2 of 14
Heptachlor Epoxide	5.07E-06		2.01E-05	RME EPC is max detect	1 of 14

Indeno(1,2,3-cd)pyrene	2.92E-04		2.40E-03	RME EPC is max detect	1 of 13
Iron	6.39E+00		2.52E+01	RME EPC is max detect	13 of 13
Isopropylbenzene (Cumene)	1.78E-04		1.60E-03	RME EPC is max detect	1 of 13
Lithium	3.61E-01		6.60E-01	RME EPC is max detect	13 of 13
m,p-Cresol	1.10E-03		8.20E-03	RME EPC is max detect	1 of 13
Manganese	4.15E+00		1.28E+01	RME EPC is max detect	13 of 13
Molybdenum	2.30E-03		2.00E-03	RME EPC is max detect	1 of 13
MTBE	3.90E-03		3.20E-02	RME EPC is max detect	3 of 13
Nickel	7.40E-03		2.20E-02	RME EPC is max detect	10 of 14
Nonachlorobiphenyl 206	3.80E-04		1.10E-03	95% Chebyshev	
Pentachlorobiphenyl 101	2.50E-03		1.93E-02	99% Chebyshev	
Pentachlorobiphenyl 105	7.94E-04		3.10E-03	95% Chebyshev	
Pentachlorobiphenyl 118	1.70E-03		7.50E-03	95% Chebyshev	
Pentachlorobiphenyl 87	1.50E-03		1.12E-02	99% Chebyshev	
o-Cresol	4.47E-04		4.40E-03	RME EPC is max detect	1 of 13
Phenanthrene	2.12E-04		1.60E-03	RME EPC is max detect	1 of 13
Selenium	9.08E-03		3.80E-02	RME EPC is max detect	2 of 13
Silver	7.38E-03		9.46E+00	RME EPC is max detect	12 of 13
Strontium	9.03E+00		1.71E+01	RME EPC is max detect	13 of 13
Tetrachlorobiphenyl 44	1.00E-03		8.20E-03	99% Chebyshev	
Tetrachlorobiphenyl 52	1.80E-03		1.43E-02	99% Chebyshev	
Thallium	2.00E-03		7.30E-03	RME EPC is max detect	1 of 13
Titanium	5.30E-03		3.10E-02	RME EPC is max detect	7 of 13
Vanadium	8.56E-03		2.30E-02	RME EPC is max detect	7 of 13
Vinyl Chloride	1.85E-04		1.90E-03	RME EPC is max detect	1 of 13

Notes:
*The maximum detected value is sometimes lower than the average since 1/2 of the reporting limit was used as a proxy value when it was not detected and because J flagged data (estimated) were used in the risk assessment.
[+] Chemicals of interest are any chemical measured in at least one sample.
(1) RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 4
EXPOSURE POINT CONCENTRATIONS (mg/L)
INTRACOASTAL WATERWAY SURFACE WATER (TOTAL)

Chemical of Interest[+]	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ [(1)]	$^{SW}RBELs$ Saltwater Fish Only [(1)]	RME EPC [(2)]	Statistic Used	# of Detects/# of Samples	Min of PCL	(Min PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
Acrylonitrile	9.38E-04	2.10E-03	2.10E-03	7.57E-02	7.30E-03	2.10E-03	RME EPC is max detect	1 of 4	7.6E-02	7.6E-03	
Aluminum	4.05E-01	5.50E-01	2.80E-01	4.03E+02	---	5.50E-01	RME EPC is max detect	4 of 4	4.0E+02	4.0E+01	
Barium	2.40E-02	2.60E-02	2.20E-02	6.49E+01	---	2.60E-02	RME EPC is max detect	4 of 4	6.5E+01	6.5E+00	
Boron	4.69E+00	4.81E+00	4.60E+00	7.44E+01	---	4.81E+00	RME EPC is max detect	4 of 4	7.4E+01	7.4E+00	
Chromium	7.98E-02	1.20E-01	7.00E-02	1.26E+02	2.22E+00	1.20E-01	RME EPC is max detect	4 of 4	1.3E+02	1.3E+01	
Copper	6.53E-03	1.10E-02	9.10E-03	3.31E+01	---	1.10E-02	RME EPC is max detect	2 of 4	3.3E+01	3.3E+00	
Iron	4.63E-01	5.90E-01	3.20E-01	---	---	5.90E-01	RME EPC is max detect	4 of 4	0.0E+00	0.0E+00	Max Detect Exceedance
Lithium	2.53E-01	2.70E-01	2.20E-01	1.65E+01	---	2.70E-01	RME EPC is max detect	4 of 4	1.7E+01	1.7E+00	
Manganese	4.03E-02	4.80E-02	3.30E-02	4.09E+01	1.00E-01	4.80E-02	RME EPC is max detect	4 of 4	4.1E+01	4.1E+00	
Silver	2.80E-03	3.70E-03	2.80E-03	1.57E+00	---	3.70E-03	RME EPC is max detect	3 of 4	1.6E+00	1.6E-01	
Strontium	7.22E+00	7.35E+00	6.95E+00	3.38E+02	---	7.35E+00	RME EPC is max detect	4 of 4	3.4E+02	3.4E+01	
Titanium	3.90E-03	5.70E-03	2.00E-03	8.67E+04	---	5.70E-03	RME EPC is max detect	4 of 4	8.7E+04	8.7E+03	
Vanadium	4.25E-02	6.10E-02	3.50E-02	1.08E+00	---	6.10E-02	RME EPC is max detect	4 of 4	1.1E+00	1.1E-01	

INTRACOASTAL WATERWAY SURFACE WATER (DISSOLVED METALS)

Chemicals of Interest[+]	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ [(1)]	$^{SW}RBELs$ Saltwater Fish Only [(1)]	RME EPC	Statistic Used	# of Detects/# of Samples
Aluminum	6.48E-02	4.70E-02	4.70E-02	4.03E+02	---	4.70E-02	RME EPC is max detect	1 of 4
Barium	2.63E-02	2.80E-02	2.30E-02	6.49E+01	---	2.80E-02	RME EPC is max detect	4 of 4
Boron	4.79E+00	4.99E+00	4.30E+00	7.44E+01	---	4.99E+00	RME EPC is max detect	4 of 4
Lithium	2.10E-01	2.20E-01	2.00E-01	1.65E+01	---	2.20E-01	RME EPC is max detect	4 of 4
Manganese	4.85E-03	6.00E-03	2.50E-03	4.09E+01	1.00E-01	6.00E-03	RME EPC is max detect	4 of 4
Nickel	2.63E-03	3.30E-03	1.30E-03	1.13E+00	4.60E+00	3.30E-03	RME EPC is max detect	4 of 4
Selenium	4.25E-02	6.30E-02	2.80E-02	4.13E+00	4.20E+00	6.30E-02	RME EPC is max detect	4 of 4
Strontium	8.04E+00	8.47E+00	7.36E+00	3.38E+02	---	8.47E+00	RME EPC is max detect	4 of 4

Notes:
[+] Chemicals of interest are any chemical measured in at least one sample.
(1) - TRRP 24. TCEQ, March 31, 2006.
(2) RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 5
EXPOSURE POINT CONCENTRATIONS (mg/L)
INTRACOASTAL WATERWAY BACKGROUND SURFACE WATER (TOTAL)

Chemical of Interest[+]	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ (1)	^{SW}RBELs Saltwater Fish Only (1)	RME EPC (2)	Statistic Used	# of Detects/# of Samples	Min of PCL	(Min PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
4,4'-DDD	**3.30E-06**	**7.62E-06**	**3.60E-06**	**---**	**7.00E-06**	**7.62E-06**	**RME EPC is max detect**	**2 of 4**	0.0E+00	0.0E+00	
4,4'-DDT	**4.93E-06**	**1.30E-05**	**1.30E-05**	**---**	**5.00E-06**	**1.30E-05**	**RME EPC is max detect**	**1 of 4**	0.0E+00	0.0E+00	
Acetone	1.47E-03	4.52E-03	4.52E-03	7.80E+02	---	4.52E-03	RME EPC is max detect	1 of 4	7.8E+02	7.8E+01	
Aldrin	**9.24E-06**	**1.10E-05**	**4.40E-06**	**---**	**2.80E-06**	**1.10E-05**	**RME EPC is max detect**	**4 of 4**	0.0E+00	0.0E+00	
Aluminum	2.44E-01	4.00E-01	2.10E-01	4.03E+02	---	4.00E-01	RME EPC is max detect	4 of 4	4.0E+02	4.0E+01	
Barium	1.96E-02	2.00E-02	2.00E-02	6.49E+01	---	2.00E-02	RME EPC is max detect	4 of 4	6.5E+01	6.5E+00	
Benzo(g,h,i)perylene	1.20E-04	2.02E-04	2.02E-04	---	---	2.02E-04	RME EPC is max detect	1 of 4	0.0E+00	0.0E+00	
Benzo(k)fluoranthene	**1.73E-04**	**3.11E-04**	**3.11E-04**	**---**	**1.80E-04**	**3.11E-04**	**RME EPC is max detect**	**1 of 4**	**0.0E+00**	**0.0E+00**	
Bis(ethylhexyl) Phthalate	4.17E-03	1.97E-02	1.94E-02	---	2.20E-02	1.97E-02	RME EPC is max detect	2 of 4	0.0E+00	0.0E+00	
Boron	4.38E+00	4.50E+00	4.27E+00	7.44E+01	---	4.50E+00	RME EPC is max detect	4 of 4	7.4E+01	7.4E+00	
Chromium	7.84E-02	7.90E-02	7.80E-02	1.26E+02	2.22E+00	7.90E-02	RME EPC is max detect	4 of 4	1.3E+02	1.3E+01	
Chromium VI	6.20E-03	1.10E-02	1.10E-02	2.43E-01	---	1.10E-02	RME EPC is max detect	1 of 4	2.4E-01	2.4E-02	
Chrysene	1.61E-04	3.68E-04	3.68E-04	---	5.40E-03	3.68E-04	RME EPC is max detect	1 of 4	0.0E+00	0.0E+00	
Di-n-butyl Phthalate	6.70E-04	1.42E-03	8.28E-04	4.49E+00	---	1.42E-03	RME EPC is max detect	2 of 4	4.5E+00	4.5E-01	
Di-n-octyl Phthalate	2.65E-04	6.50E-04	6.50E-04	---	---	6.50E-04	RME EPC is max detect	1 of 4	0.0E+00	0.0E+00	
Iron	3.40E-01	4.30E-01	3.40E-01	---	---	4.30E-01	RME EPC is max detect	4 of 4	0.0E+00	0.0E+00	
Lithium	3.00E-01	3.40E-01	2.70E-01	1.65E+01	---	3.40E-01	RME EPC is max detect	4 of 4	1.7E+01	1.7E+00	
Manganese	3.60E-02	4.10E-02	3.40E-02	4.09E+01	1.00E-01	4.10E-02	RME EPC is max detect	4 of 4	4.1E+01	4.1E+00	
Methoxyclor	3.66E-06	1.40E-05	1.40E-05	7.19E-02	1.48E-03	1.40E-05	RME EPC is max detect	1 of 4	7.2E-02	7.2E-03	
Molybdenum	2.72E-03	4.20E-03	1.80E-03	3.47E+00	---	4.20E-03	RME EPC is max detect	2 of 4	3.5E+00	3.5E-01	
Silver	5.43E-03	5.90E-03	4.70E-03	1.57E+00	---	5.90E-03	RME EPC is max detect	4 of 4	1.6E+00	1.6E-01	
Strontium	7.76E+00	8.31E+00	7.31E+00	3.38E+02	---	8.31E+00	RME EPC is max detect	4 of 4	3.4E+02	3.4E+01	
Titanium	2.98E-03	4.20E-03	2.40E-03	8.67E+04	---	4.20E-03	RME EPC is max detect	4 of 4	8.7E+04	8.7E+03	
Vanadium	4.14E-02	3.70E-02	1.10E-02	1.08E+00	---	3.70E-02	RME EPC is max detect	4 of 4	1.1E+00	1.1E-01	

INTRACOASTAL WATERWAY BACKGROUND SURFACE WATER (DISSOLVED METALS)

Chemicals of Interest[+]	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ (1)	^{SW}RBELs Saltwater Fish Only (1)	RME EPC	Statistic Used	# of Detects/# of Samples
Barium	1.65E-02	1.90E-02	1.20E-02	6.49E+01	---	1.90E-02	RME EPC is max detect	4 of 4
Boron	3.98E+00	4.33E+00	3.04E+00	7.44E+01	---	4.33E+00	RME EPC is max detect	4 of 4
Chromium	7.38E-02	7.80E-02	6.40E-02	1.26E+02	2.22E+00	7.80E-02	RME EPC is max detect	4 of 4
Iron	5.40E-02	6.00E-02	6.00E-02	---	---	6.00E-02	RME EPC is max detect	1 of 4
Lithium	2.90E-01	3.90E-01	1.90E-01	1.65E+01	---	3.90E-01	RME EPC is max detect	4 of 4
Manganese	1.53E-02	1.80E-02	1.10E-02	4.09E+01	1.00E-01	1.80E-02	RME EPC is max detect	4 of 4
Molybdenum	3.68E-03	3.90E-03	3.90E-03	3.47E+00	---	3.90E-03	RME EPC is max detect	1 of 4
Silver	5.23E-03	5.80E-03	4.30E-03	1.57E+00	---	5.80E-03	RME EPC is max detect	4 of 4
Strontium	6.84E+00	7.46E+00	5.20E+00	3.38E+02	---	7.46E+00	RME EPC is max detect	4 of 4
Vanadium	1.23E-02	1.50E-02	9.30E-03	1.08E+00	---	1.50E-02	RME EPC is max detect	4 of 4

Notes:
[+] Chemicals of interest are any chemical measured in at least one sample.
(1) - TRRP 24. TCEQ, March 31, 2006.
(2) RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 6
EXPOSURE POINT CONCENTRATIONS (mg/kg)
INTRACOASTAL WATERWAY SEDIMENT

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Tot}Sed_{Comb}$ (1)		95% UCL	Statistic Used (2)	# of Detects/# of Samples	PCL *0.1	Max Detect Exceeds Screening Level *0.1?
1,2-Dichloroethane	3.02E-03	3.02E-03	3.02E-03	6.0E+02	<	3.58E-04	median	1 of 16	6.0E+01	
1,2-Diphenylhydrazine/azobenzene	3.17E-02	3.17E-02	3.17E-02	1.3E+02	<	1.10E-02	median	1 of 16	1.3E+01	
2-Methylnaphthalene	1.88E-02	1.88E-02	1.88E-02	4.9E+02	<	1.46E-02	median	1 of 16	4.9E+01	
3,3'-Dichlorobenzidine	1.51E-01	1.51E-01	1.51E-01	3.2E+01	<	6.32E-02	median	1 of 16	3.2E+00	
4,4'-DDT	6.90E-04	3.32E-03	4.81E-04	8.7E+01	<	2.03E-04	median	4 of 17	8.7E+00	
4,6-Dinitro-2-methylphenol	6.27E-02	6.27E-02	6.27E-02	3.1E+02	<	2.64E-02	median	1 of 16	3.1E+01	
Acenaphthene	2.64E-02	6.31E-02	2.39E-02	7.4E+03	<	1.35E-02	median	2 of 16	7.4E+02	
Aluminum	6.85E+03	1.25E+04	3.90E+03	1.5E+05		7.88E+03	95% Student's-t	16 of 16	1.5E+04	
Anthracene	3.00E-02	7.53E-02	2.36E-02	3.7E+04	<	1.78E-02	median	6 of 16	3.7E+03	
Antimony	2.25E+00	8.14E+00	7.40E-01	8.3E+01		4.98E+00	97.5% Chebyshev	16 of 16	8.3E+00	
Arsenic	4.03E+00	7.62E+00	2.41E+00	1.1E+02		4.64E+00	95% Student's-t	16 of 16	1.1E+01	
Atrazine (Aatrex)	8.14E-02	8.14E-02	8.14E-02	6.4E+01	<	2.59E-02	median	1 of 16	6.4E+00	
Barium	2.15E+02	3.77E+02	1.16E+02	2.3E+04		3.08E+02	97.5% Chebyshev	16 of 16	2.3E+03	
Benzo(a)anthracene	9.54E-02	3.95E-01	6.75E-02	1.6E+01	<	1.38E-02	99% Chebyshev	3 of 16	1.6E+00	
Benzo(a)pyrene	**9.46E-02**	**4.45E-01**	**5.25E-02**	**1.6E+00**	**<**	**1.58E-02**	**median**	**6 of 16**	**1.6E-01**	**Max Detect Exceedance**
Benzo(b)fluoranthene	1.12E-01	6.11E-01	3.24E-02	1.6E+01		3.52E-01	97.5% KM (Chebyshev)	9 of 16	1.6E+00	
Benzo(g,h,i)perylene	7.19E-02	4.42E-01	1.73E-02	3.7E+03	<	1.72E-02	median	7 of 16	3.7E+02	
Benzo(k)fluoranthene	8.18E-02	3.18E-01	4.74E-02	1.6E+02	<	2.43E-01	median	6 of 16	1.6E+01	
Beryllium	4.63E-01	8.20E-01	2.90E-01	2.7E+01		5.28E-01	95% Student's-t	16 of 16	2.7E+00	
Boron	1.65E+01	2.72E+01	1.25E+01	1.1E+05		2.47E+01	97.5% KM (Chebyshev)	10 of 16	1.1E+04	
Butyl Benzyl Phthalate	2.02E-01	2.02E-01	2.02E-01	3.1E+04	<	1.65E-02	median	1 of 16	3.1E+03	
Carbazole	2.53E-02	8.61E-02	1.95E-02	7.1E+02	<	1.38E-02	median	3 of 16	7.1E+01	
Chloroform	5.05E-03	5.27E-03	5.04E-03	7.3E+03	<	4.42E-04	median	2 of 16	7.3E+02	
Chromium	9.21E+00	1.44E+01	5.01E+00	3.6E+04		1.04E+01	95% Student's-t	16 of 16	3.6E+03	
Chrysene	8.03E-02	4.75E-01	1.37E-02	1.6E+03		2.73E-01	97.5% KM (Chebyshev)	10 of 16	1.6E+02	
Cobalt	4.39E+00	7.16E+00	3.05E+00	3.2E+04		4.88E+00	95% Student's-t	16 of 16	3.2E+03	
Copper	7.11E+00	1.26E+01	3.28E+00	2.1E+04		8.43E+00	95% Student's-t	16 of 16	2.1E+03	
Cyclohexane	1.92E-03	1.92E-03	1.92E-03	1.0E+06	<	3.29E-03	median	1 of 16	1.0E+05	
Dibenz(a,h)anthracene	**7.12E-02**	**2.35E-01**	**5.11E-02**	**1.6E+00**	**<**	**1.57E-02**	**median**	**6 of 16**	**1.6E-01**	**Max Detect Exceedance**
Dibenzofuran	2.70E-02	3.05E-02	2.68E-02	6.1E+02	<	1.92E-02	median	2 of 16	6.1E+01	
Diethyl Phthalate	3.89E-02	3.89E-02	3.89E-02	1.2E+05	<	2.24E-02	median	1 of 16	1.2E+04	
Di-n-octyl Phthalate	2.58E-02	1.92E-01	1.47E-02	3.1E+03	<	1.13E-02	median	2 of 16	3.1E+02	
Fluoranthene	1.20E-01	8.04E-01	2.22E-02	4.9E+03		4.39E-01	97.5% KM (Chebyshev)	8 of 16	4.9E+02	
Fluorene	1.62E-02	4.60E-02	1.24E-02	4.9E+03	<	1.38E-02	median	4 of 16	4.9E+02	
gamma-Chlordane	6.54E-04	8.26E-04	6.38E-04	4.1E+01	<	3.91E-04	median	4 of 16	4.1E+00	
Hexachlorobenzene	3.19E-02	3.19E-02	3.19E-02	8.9E+00	<	1.62E-02	median	1 of 16	8.9E-01	
Indeno(1,2,3-cd)pyrene	9.99E-02	4.05E-01	5.56E-02	1.6E+01	<	2.53E-02	median	6 of 16	1.6E+00	
Iron	1.34E+04	2.82E+04	6.75E+03	---		2.20E+04	97.5% Chebyshev	16 of 16		
Isopropylbenzene (cumene)	4.79E-03	7.04E-03	4.64E-03	7.3E+04	<	4.80E-04	median	2 of 16	7.3E+03	
Lead	1.16E+01	3.23E+01	5.00E+00	5.0E+02		2.27E+01	97.5% Chebyshev	16 of 16		
Lithium	1.05E+01	2.00E+01	6.40E+00	1.1E+04		1.21E+01	95% Student's-t	16 of 16	1.1E+03	
Manganese	2.83E+02	4.74E+02	1.92E+02	1.4E+04		3.22E+02	95% Student's-t	16 of 16	1.4E+03	
Mercury	2.01E-02	3.60E-02	1.10E-02	3.4E+01		2.33E-02	95% Student's-t	16 of 16	3.4E+00	
Methylcyclohexane	3.70E-03	3.70E-03	3.70E-03	1.0E+06	<	1.70E-03	median	1 of 16	1.0E+05	
Molybdenum	6.67E-01	5.66E+00	1.40E-01	1.8E+03		2.15E+00	95% Chebyshev	16 of 16	1.8E+02	
Nickel	9.59E+00	1.67E+01	5.80E+00	1.4E+03		1.08E+01	95% Student's-t	16 of 16	1.4E+02	
n-Nitrosodiphenylamine	4.34E-02	4.34E-02	4.34E-02	9.0E+02	<	1.50E-02	median	1 of 16	9.0E+01	
Phenanthrene	8.58E-02	5.08E-01	3.11E-02	3.7E+03		2.80E-01	97.5% KM (Chebyshev)	8 of 16	3.7E+02	
Pyrene	1.33E-01	8.62E-01	1.76E-02	3.7E+03		4.82E-01	97.5% KM (Chebyshev)	10 of 16	3.7E+02	
Silver	3.35E-01	5.40E-01	3.00E-01	3.5E+02	<	8.95E-02	median	6 of 16	3.5E+01	
Strontium	4.49E+01	8.17E+01	3.28E+01	1.5E+05		5.12E+01	95% Student's-t	16 of 16	1.5E+04	
Titanium	2.56E+01	3.66E+01	1.91E+01	1.0E+06		2.78E+01	95% Student's-t	16 of 16	1.0E+05	
Toluene	5.81E-03	5.81E-03	5.81E-03	5.9E+04	<	1.73E-03	median	1 of 16	5.9E+03	
Vanadium	1.39E+01	2.12E+01	9.06E+00	3.3E+02		1.54E+01	95% Student's-t	16 of 16	3.3E+01	
Zinc	4.54E+01	9.26E+01	1.80E+01	7.6E+04		5.41E+01	95% Student's-t	16 of 16	7.6E+03	

Notes:
+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.
(1) - From Tier 1 Sediment PCLs. TCEQ, March 31, 2006.
(2) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

TABLE 7
EXPOSURE POINT CONCENTATION (mg/kg)
INTRACOASTAL WATERWAY BACKGROUND SEDIMENT

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Tot}Sed_{Comb}$ (1)		95% UCL	Statistic Used (2)	# of Detects/ # of Samples	PCL *0.1	Max Detect Exceeds Screening Level *0.1?
1,2,4-Trimethylbenzene	3.91E-03	3.91E-03	3.91E-03	3.7E+04	<	7.24E-04	median	1 of 9	3.7E+03	
1,4-Dichlorobenzene	4.11E-03	4.11E-03	4.11E-03	2.3E+03	<	1.54E-03	median	1 of 9	2.3E+02	
2-Butanone	2.08E-03	2.16E-03	2.00E-03	4.4E+05	<	2.00E-03	median	2 of 9	4.4E+04	
4,4'-DDT	5.70E-04	5.70E-04	5.70E-04	8.7E+01	<	2.10E-04	median	1 of 9	8.7E+00	
Aluminum	**1.22E+04**	**2.18E+04**	**4.73E+03**	**1.5E+05**		**1.65E+04**	**95% Student's-t**	**9 of 9**	**1.5E+04**	**Max Detect Exceedance**
Antimony	4.02E+00	7.33E+00	1.68E+00	8.3E+01		5.40E+00	95% Student's-t	9 of 9	8.3E+00	
Arsenic	5.81E+00	9.62E+00	2.36E+00	1.1E+02		7.74E+00	95% Student's-t	9 of 9	1.1E+01	
Barium	209.7.2	2.80E+02	1.11E+02	2.3E+04		2.39E+02	95% Student's-t	9 of 9	2.3E+03	
Benzo(b)fluoranthene	3.69E-02	3.69E-02	3.69E-02	1.6E+01	<	1.09E-02	median	1 of 9	1.6E+00	
Beryllium	7.66E-01	1.32E+00	3.20E-01	2.7E+01		1.02E+00	95% Student's-t	9 of 9	2.7E+00	
Boron	2.76E+01	4.79E+01	1.33E+01	1.1E+05		3.56E+01	95% Student's-t	9 of 9	1.1E+04	
Carbon Disulfide	5.91E-03	8.41E-03	3.41E-03	7.3E+04	<	8.40E-04	median	2 of 9	7.3E+03	
Chromium	1.28E+01	2.25E+01	5.81E+00	3.6E+04		1.69E+01	95% Student's-t	9 of 9	3.6E+03	
cis-1,2-Dichloroethene	2.84E-02	2.84E-02	2.84E-02	7.3E+03	<	4.61E-04	median	1 of 9	7.3E+02	
Cobalt	6.70E+00	1.18E+01	3.32E+00	3.2E+04		8.66E+00	95% Student's-t	9 of 9	3.2E+03	
Copper	8.14E+00	1.68E+01	2.68E+00	2.1E+04		1.13E+01	95% Student's-t	9 of 9	2.1E+03	
Iron	1.65E+04	2.79E+04	7.44E+03	---		2.15E+04	95% Student's-t	9 of 9		
Lead	9.59E+00	1.45E+01	5.34E+00	5.0E+02		1.18E+01	95% Student's-t	9 of 9	5.0E+01	
Lithium	2.14E+01	4.46E+01	7.29E+00	1.1E+04		3.03E+01	95% Student's-t	9 of 9	1.1E+03	
Manganese	3.31E+02	4.42E+02	2.12E+02	1.4E+04		3.86E+02	95% Student's-t	9 of 9	1.4E+03	
Mercury	1.76E-02	5.00E-02	6.50E-03	3.4E+01		3.68E-02	95% Chebyshev	9 of 9	3.4E+00	
Molybdenum	2.41E-01	3.50E-01	1.60E-01	1.8E+03		2.83E-01	95% Student's-t	9 of 9	1.8E+02	
Nickel	1.49E+01	2.73E+01	6.31E+00	1.4E+03		1.99E+01	95% Student's-t	9 of 9	1.4E+02	
Strontium	5.92E+01	8.74E+01	3.48E+01	1.5E+05		7.28E+01	95% Student's-t	9 of 9	1.5E+04	
Titanium	3.18E+01	5.45E+01	2.11E+01	1.0E+06		3.83E+01	95% Student's-t	9 of 9	1.0E+05	
Trichloroethene	1.59E-02	1.59E-02	1.59E-02	4.4E+03	<	6.47E-04	median	1 of 9	4.4E+02	
Vanadium	**2.02E+01**	**3.42E+01**	**1.02E+01**	**3.3E+02**		**2.59E+01**	**95% Student's-t**	**9 of 9**	**3.3E+01**	**Max Detect Exceedance**
Xylene	3.35E-03	3.35E-03	3.35E-03	1.5E+05	<	2.09E-03	median	1 of 9	1.5E+04	
Zinc	3.60E+01	5.41E+01	1.93E+01	7.6E+04		4.45E+01	95% Student's-t	9 of 9	7.6E+03	

Notes:

+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.

(1) - From Tier 1 Sediment PCLs. TCEQ, March 31, 2006.

(2) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A). When the compound was not detected in a given sample, one-half of the sample detection limit was used as the proxy concentration for that sample.

TABLE 8
EXPOSURE POINT CONCENTRATIONS (mg/kg)
NORTH AREA SURFACE SOIL*

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Tot}Soil_{Comb}$ (1)	EPA Region 6 Soil Screening Criteria (2)		95% UCL	Statistic Used (3)	# of Detects/# of Samples	Min of PCL or EPA #	(Max PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
2-Methylnaphthalene	1.46E-02	5.30E-02	1.00E-02	2.48E+03	---	<	1.18E-02	median	3 of 18	2.5E+03	2.5E+02	
4,4'-DDE	2.87E-03	1.49E-02	2.16E-03	7.32E+01	7.80E+00	<	4.24E-04	median	2 of 18	7.8E+00	7.8E-01	
4,4'-DDT	1.50E-03	1.08E-02	5.97E-04	6.84E+01	7.80E+00	<	5.45E-04	median	7 of 18	7.8E+00	7.8E-01	
Acenaphthene	2.86E-02	1.57E-01	2.10E-02	3.72E+04	3.30E+04	<	1.10E-02	median	2 of 18	3.3E+04	3.3E+03	
Acenaphthylene	5.55E-02	5.55E-02	5.55E-02	3.72E+04	---	<	1.21E-02	median	1 of 18	3.7E+04	3.7E+03	
Aluminum	**1.07E+04**	**1.68E+04**	**1.81E+03**	**5.70E+05**	**1.00E+05**		**1.22E+04**	**95% Student's-t**	**18 of 18**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Anthracene	2.69E-02	2.64E-01	8.87E-03	1.86E+05	1.00E+05	<	1.21E-02	median	4 of 18	1.0E+05	1.0E+04	
Antimony	2.52E+00	8.09E+00	1.66E+00	3.06E+02	4.50E+02		4.95E+00	97.5% KM (Chebyshev)	9 of 18	3.1E+02	3.1E+01	
Aroclor-1254	1.22E-02	1.22E-02	1.22E-02	7.10E+00	8.30E-01	<	4.29E-03	median	1 of 18	8.3E-01	8.3E-02	
Arsenic	**2.53E+00**	**5.69E+00**	**5.40E-01**	**1.96E+02**	**1.80E+00**		**4.22E+00**	**97.5% KM (Chebyshev)**	**17 of 18**	**1.8E+00**	**1.8E-01**	**Max Detect Exceedance**
Barium	1.45E+02	4.76E+02	4.61E+01	8.90E+04	7.90E+04		2.64E+02	95% Chebyshev	18 of 18	7.9E+04	7.9E+03	
Benzo(a)anthracene	**1.18E+00**	**1.18E+00**	**1.18E+00**	**2.36E+01**	**2.30E+00**	**<**	**1.10E-02**	**median**	**1 of 18**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(a)pyrene	**1.19E-01**	**1.42E+00**	**1.35E-02**	**2.37E+00**	**2.30E-01**	**<**	**1.16E-02**	**median**	**7 of 18**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Benzo(b)fluoranthene	**1.69E-01**	**1.62E+00**	**4.87E-02**	**2.36E+01**	**2.30E+00**		**3.73E-01**	**95% KM (BCA)**	**8 of 18**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(g,h,i)perylene	1.40E-01	1.28E+00	2.37E-02	1.86E+04	---		5.92E-01	97.5% KM (Chebyshev)	10 of 18	1.9E+04	1.9E+03	
Benzo(k)fluoranthene	1.13E-01	7.99E-01	1.10E-02	2.37E+02	2.30E+01	<	1.75E-02	median	4 of 18	2.3E+01	2.3E+00	
Beryllium	7.11E-01	2.88E+00	6.60E-02	2.47E+02	2.20E+03		1.60E+00	97.5% KM (Chebyshev)	17 of 18	2.5E+02	2.5E+01	
Bis(2-ethylhexyl)phthalate	4.45E-02	2.39E-01	1.22E-02	5.63E+02	1.40E+02	<	5.46E-02	median	6 of 18	1.4E+02	1.4E+01	
Boron	8.74E+00	3.92E+01	3.15E+00	1.92E+05	1.00E+05		2.21E+01	97.5% KM (Chebyshev)	13 of 18	1.0E+05	1.0E+04	
Butyl Benzyl Phthalate	1.51E-01	1.51E-01	1.51E-01	1.00E+04	2.40E+02	<	1.36E-02	median	1 of 18	2.4E+02	2.4E+01	
Cadmium	3.58E-01	8.00E-01	2.80E-01	8.52E+02	5.60E+02		5.72E-01	97.5% KM (Chebyshev)	8 of 18	5.6E+02	5.6E+01	
Carbazole	2.00E-02	1.28E-01	1.30E-02	9.54E+02	9.60E+01	<	1.11E-02	median	4 of 18	9.6E+01	9.6E+00	
Chromium	**2.03E+01**	**1.28E+02**	**7.90E+00**	**5.71E+04**	**5.00E+02**		**4.86E+01**	**95% Chebyshev**	**18 of 18**	**5.0E+02**	**5.0E+01**	**Max Detect Exceedance**
Chrysene	1.05E-01	1.30E+00	1.10E-02	2.36E+03	2.30E+02	<	1.03E-02	median	7 of 18	2.3E+02	2.3E+01	
Cobalt	5.79E+00	7.87E+00	2.81E+00	2.70E+02	2.10E+03		6.41E+00	95% Student's-t	18 of 18	2.7E+02	2.7E+01	
Copper	2.41E+01	2.00E+02	5.90E+00	3.69E+04	4.20E+04		7.00E+01	95% Chebyshev	18 of 18	3.7E+04	3.7E+03	
Dibenz(a,h)anthracene	**7.69E-02**	**4.04E-01**	**4.50E-02**	**2.37E+00**	**2.30E-01**	**<**	**1.10E-02**	**median**	**4 of 18**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Dibenzofuran	8.62E-02	8.62E-02	8.62E-02	2.73E+03	1.70E+03	<	1.52E-02	median	1 of 18	1.7E+03	1.7E+02	
Dieldrin	5.45E-03	5.45E-03	5.45E-03	1.14E+00	1.20E-01	<	1.83E-04	median	1 of 18	1.2E-01	1.2E-02	
Diethyl Phthalate	1.10E-02	1.10E-02	1.10E-02	2.04E+03	1.00E+05	<	1.85E-02	median	1 of 18	2.0E+03	2.0E+02	
Di-n-butyl Phthalate	1.00E-02	1.00E-02	1.00E-02	1.62E+04	6.80E+04	<	3.10E-02	median	1 of 18	1.6E+04	1.6E+03	
Di-n-octyl Phthalate	2.14E-02	1.23E-01	1.54E-02	1.30E+04	2.70E+04	<	9.50E-03	median	2 of 18	1.3E+04	1.3E+03	
Endrin	1.49E-03	1.49E-03	1.49E-03	1.27E+02	2.10E+02	<	2.22E-04	median	1 of 18	1.3E+02	1.3E+01	
Endrin Ketone	9.66E-03	9.66E-03	9.66E-03	1.77E+02	---	<	5.48E-04	median	1 of 18	1.8E+02	1.8E+01	
Fluoranthene	1.68E-01	2.19E+00	2.14E-02	2.48E+04	2.40E+04	<	1.28E-02	median	6 of 18	2.4E+04	2.4E+03	
Fluorene	2.50E-02	1.41E-01	1.70E-02	2.48E+04	2.60E+04	<	1.09E-02	median	3 of 18	2.5E+04	2.5E+03	
Indeno(1,2,3-cd)pyrene	**1.55E-01**	**1.51E+00**	**2.00E-02**	**2.37E+01**	**2.30E+00**		**6.82E-01**	**97.5% KM (Chebyshev)**	**9 of 18**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Iron	**1.95E+04**	**1.02E+05**	**8.45E+03**	**---**	**1.00E+05**		**4.11E+04**	**95% Chebyshev**	**18 of 18**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Lead	**5.77E+01**	**4.71E+02**	**8.22E+00**	**1.60E+03**	**8.00E+02**		**3.18E+02**	**99% Chebyshev**	**18 of 18**	**8.0E+02**	**8.0E+01**	**Max Detect Exceedance**
Lithium	1.66E+01	2.66E+01	2.59E+00	1.90E+03	2.30E+04		1.87E+01	95% Student's-t	18 of 18	1.9E+03	1.9E+02	
Manganese	3.70E+02	1.21E+03	8.23E+01	2.41E+04	3.50E+04		7.34E+02	97.5% KM (Chebyshev)	18 of 18	2.4E+04	2.4E+03	
Mercury	1.38E-02	6.40E-02	6.00E-03	3.26E+00	3.40E+02		3.75E-02	97.5% KM (Chebyshev)	8 of 18	3.3E+00	3.3E-01	
Molybdenum	9.66E-01	1.07E+01	8.50E-02	4.51E+03	5.70E+03		4.71E+00	97.5% KM (Chebyshev)	11 of 18	4.5E+03	4.5E+02	
Nickel	1.70E+01	5.17E+01	1.17E+01	7.94E+03	2.30E+04		2.08E+01	95% Student's-t	18 of 18	7.9E+03	7.9E+02	
Phenanthrene	1.15E-01	1.34E+00	1.80E-02	1.86E+04	---	<	1.42E-02	median	7 of 18	1.9E+04	1.9E+03	
Pyrene	3.86E-01	1.87E+00	1.49E-02	1.86E+04	3.20E+04		2.03E+00	97.5% KM (Chebyshev)	8 of 18	1.9E+04	1.9E+03	
Silver	1.10E-01	4.10E-01	9.20E-02	1.71E+03	5.70E+03	<	6.00E-02	median	2 of 18	1.7E+03	1.7E+02	
Strontium	5.73E+01	9.36E+01	2.66E+01	4.91E+05	1.00E+05		6.54E+01	95% Student's-t	18 of 18	1.0E+05	1.0E+04	
Thallium	6.30E-01	6.30E-01	6.30E-01	7.80E+01	---	<	1.00E-01	median	1 of 18	7.8E+01	7.8E+00	
Tin	7.06E-01	3.67E+00	6.80E-01	3.97E+05	---	<	5.90E-01	median	4 of 18	4.0E+05	4.0E+04	
Titanium	2.07E+01	5.59E+01	3.41E+00	1.00E+06	---		3.78E+01	97.5% KM (Chebyshev)	18 of 18	1.0E+06	1.0E+05	
Vanadium	1.97E+01	4.58E+01	7.85E+00	2.29E+03	1.10E+03		2.34E+01	95% Student's-t	18 of 18	1.1E+03	1.1E+02	
Zinc	4.18E+02	5.64E+03	2.95E+01	2.45E+05	1.00E+05		3.49E+03	99% Chebyshev	18 of 18	1.0E+05	1.0E+04	

Notes:
* Surface soil was collected from 0 to 0.5 ft. below ground surface.
+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.
(1) - $^{Tot}Soil_{Comb}$ PCL = TCEQ Protective Concentration Level for 30 acre source area Commercial/Industrial total soil combined pathway (includes inhalation; ingestion; dermal pathways).
(2) - From EPA's "Region 6 Human Health Medium-Specific Screening Levels 2004-2005". Industrial Outdoor Worker.
(3) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

TABLE 9
EXPOSURE POINT CONCENTRATIONS (mg/kg)
NORTH AREA SOIL+

Chemical of Interest++	Average	Max Detection	Min Detection	$^{Tot}Soil_{Comb}$ (1)	EPA Region 6 Soil Screening Criteria(2)		95% UCL	Statistic Used (3)	# of Detects/# of Samples	Min of PCL or EPA #	(Min PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
1,1-Dichloroethane	2.67E-02	5.18E-01	1.61E-03	4.30E+03	2.30E+03	<	1.75E-04	median	3 of 19	2.3E+03	2.3E+02	
1,1-Dichloroethene	1.73E-02	3.13E-01	1.78E-03	3.50E+03	4.70E+02	<	3.95E-04	median	2 of 19	4.7E+02	4.7E+01	
1,2-Dichloroethane	**1.95E-02**	**1.77E-01**	**2.31E-03**	**1.15E+01**	**8.40E-01**	**<**	**1.27E-04**	**median**	**4 of 19**	**8.4E-01**	**8.4E-02**	**Max Detect Exceedance**
2-Butanone	1.32E-02	2.08E-01	1.70E-03	7.26E+04	3.40E+04		7.87E-02	97.5% KM (Chebyshev)	11 of 19	3.4E+04	3.4E+03	
2-Methylnaphthalene	4.05E-02	5.30E-02	1.00E-02	2.48E+03	---	<	1.19E-02	median	4 of 38	2.5E+03	2.5E+02	
4,4'-DDE	2.50E-03	1.49E-02	2.16E-03	7.32E+01	7.80E+00	<	4.28E-04	median	2 of 38	7.8E+00	7.8E-01	
4,4'-DDT	1.16E-02	1.08E-02	5.97E-04	6.84E+01	7.80E+00	<	7.94E-02	97.5% KM (Chebyshev)	7 of 38	7.8E+00	7.8E-01	
Acenaphthene	1.99E-02	1.57E-01	2.10E-02	3.72E+04	3.30E+04	<	1.11E-02	median	4 of 38	3.3E+04	3.3E+03	
Aluminum	**1.23E+04**	**1.83E+04**	**1.81E+03**	**5.70E+05**	**1.00E+05**		**1.33E+04**	**95% Student's-t**	**38 of 38**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Anthracene	2.90E-02	2.64E-01	8.87E-03	1.86E+05	1.00E+05		8.96E-02	97.5% KM (Chebyshev)	6 of 38	1.0E+05	1.0E+04	
Antimony	1.45E+00	8.09E+00	1.66E+00	3.06E+02	4.50E+02		2.45E+00	95% KM (Bootstrap)	16 of 38	3.1E+02	3.1E+01	
Aroclor-1254	**1.81E-01**	**9.38E-02**	**1.22E-02**	**7.10E+00**	**8.30E-01**	**<**	**4.30E-03**	**median**	**2 of 38**	**8.3E-01**	**8.3E-02**	**Max Detect Exceedance**
Arsenic	**2.44E+00**	**5.69E+00**	**5.40E-01**	**1.96E+02**	**1.80E+00**		**3.82E+00**	**97.5% KM (Chebyshev)**	**32 of 38**	**1.8E+00**	**1.8E-01**	**Max Detect Exceedance**
Barium	1.41E+02	3.62E+02	4.61E+01	8.90E+04	7.90E+04		2.34E+02	97.5% Chebyshev	38 of 38	7.9E+04	7.9E+03	
Benzene	2.92E-03	6.32E-03	1.38E-03	1.11E+02	1.60E+00		5.39E-03	97.5% KM (Chebyshev)	12 of 18	1.6E+00	1.6E-01	
Benzo(a)anthracene	**1.09E-01**	**1.18E+00**	**3.83E-02**	**2.36E+01**	**2.30E+00**	**<**	**1.11E-02**	**median**	**4 of 38**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(a)pyrene	**9.37E-02**	**1.42E+00**	**1.35E-02**	**2.37E+00**	**2.30E-01**		**3.78E-01**	**97.5% KM (Chebyshev)**	**10 of 38**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Benzo(b)fluoranthene	**1.44E-01**	**1.62E+00**	**4.87E-02**	**2.36E+01**	**2.30E+00**		**2.52E-01**	**95% KM (Bootstrap)**	**11 of 38**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Benzo(g,h,i)perylene	1.03E-01	1.28E+00	2.37E-02	1.86E+04	---		3.42E-01	97.5% KM (Chebyshev)	14 of 38	1.9E+04	1.9E+03	
Benzo(k)fluoranthene	1.07E-01	7.99E-01	6.80E-02	2.37E+02	2.30E+01	<	1.72E-02	median	6 of 38	2.3E+01	2.3E+00	
Beryllium	7.15E-01	2.88E+00	6.60E-02	2.47E+02	2.20E+03		1.18E+00	97.5% KM (Chebyshev)	35 of 38	2.5E+02	2.5E+01	
Bis(2-ethylhexyl)phthalate	4.12E-02	2.39E-01	1.22E-02	5.63E+02	1.40E+02		9.96E-02	97.5% KM (Chebyshev)	11 of 38	1.4E+02	1.4E+01	
Boron	7.64E+00	3.92E+01	3.14E+00	1.92E+05	1.00E+05		1.71E+01	97.5% KM (Chebyshev)	26 of 38	1.0E+05	1.0E+04	
Bromoform	1.14E-02	1.80E-02	1.10E-02	6.04E+02	2.40E+02	<	1.86E-04	median	2 of 19	2.4E+02	2.4E+01	
Butyl Benzyl Phthalate	5.66E-02	1.51E-01	5.40E-02	1.00E+04	2.40E+02	<	1.36E-02	median	2 of 38	2.4E+02	2.4E+01	
Cadmium	3.63E-01	8.00E-01	2.80E-01	8.52E+02	5.60E+02		5.19E-01	97.5% KM (Chebyshev)	15 of 38	5.6E+02	5.6E+01	
Carbazole	1.74E-02	1.28E-01	1.08E-02	9.54E+02	9.60E+01	<	1.10E-02	median	7 of 38	9.6E+01	9.6E+00	
Carbon Disulfide	8.64E-03	2.84E-02	7.57E-03	7.19E+03	7.20E+02	<	1.19E-04	median	3 of 19	7.2E+02	7.2E+01	
Chromium	**1.83E+01**	**1.28E+02**	**7.76E+00**	**5.70E+04**	**5.00E+02**		**3.21E+01**	**95% Chebyshev**	**38 of 38**	**5.0E+02**	**5.0E+01**	**Max Detect Exceedance**
Chrysene	1.03E-01	1.30E+00	1.04E-02	2.40E+03	2.30E+02		3.84E-01	97.5% KM (Chebyshev)	11 of 38	2.3E+02	2.3E+01	
cis-1,2-Dichloroethene	6.61E-02	9.99E-01	1.95E-02	4.70E+03	1.60E+02	<	1.38E-04	median	2 of 19	1.6E+02	1.6E+01	
Cobalt	6.52E+00	1.03E+01	2.81E+00	2.70E+02	2.10E+03		7.04E+00	95% Student's-t	38 of 38	2.7E+02	2.7E+01	
Copper	6.56E+01	2.00E+02	4.59E+00	3.70E+04	4.20E+04		5.12E+02	99% Chebyshev	38 of 38	3.7E+04	3.7E+03	
Cyclohexane	1.13E-03	1.85E-03	9.81E-04	4.20E+04	6.80E+03	<	1.25E-03	median	5 of 19	6.8E+03	6.8E+02	
Dibenz(a,h)anthracene	**6.88E-02**	**4.04E-01**	**4.50E-02**	**2.40E+00**	**2.30E-01**	**<**	**1.08E-02**	**median**	**7 of 38**	**2.3E-01**	**2.3E-02**	**Max Detect Exceedance**
Dibenzofuran	1.96E-02	8.62E-02	1.50E-02	2.70E+03	1.70E+04	<	1.50E-02	median	2 of 38	2.7E+03	2.7E+02	
Diethyl Phthalate	1.01E-02	1.10E-02	9.92E-03	2.04E+03	1.00E+05	<	1.85E-02	median	2 of 38	2.0E+03	2.0E+02	
Di-n-butyl Phthalate	1.05E-02	1.50E-02	1.00E-02	1.62E+04	6.80E+04	<	3.07E-02	median	2 of 38	1.6E+04	1.6E+03	
Di-n-octyl Phthalate	1.90E-02	1.23E-01	1.54E-02	1.30E+04	2.70E+04	<	9.52E-03	median	3 of 38	1.3E+04	1.3E+03	
Ethylbenzene	2.69E-03	5.02E-03	1.14E-03	1.00E+04	2.30E+02	<	1.14E-03	median	5 of 19	2.3E+02	2.3E+01	
Fluoranthene	1.44E-01	2.19E+00	2.14E-02	2.48E+04	2.40E+04	<	6.24E-01	97.5% KM (Chebyshev)	9 of 38	2.4E+04	2.4E+03	
Fluorene	5.27E-02	1.41E-01	1.70E-02	2.48E+04	2.60E+04	<	3.92E-04	median	4 of 38	2.5E+04	2.5E+03	
Indeno(1,2,3-cd)pyrene	**1.15E-01**	**1.51E+00**	**2.00E-02**	**2.37E+01**	**2.30E+00**		**3.96E-01**	**97.5% KM (Chebyshev)**	**13 of 38**	**2.3E+00**	**2.3E-01**	**Max Detect Exceedance**
Iron	**2.09E+04**	**1.02E+05**	**7.12E+03**	**---**	**1.00E+05**		**3.69E+04**	**95% Chebyshev**	**38 of 38**	**1.0E+05**	**1.0E+04**	**Max Detect Exceedance**
Lead	**5.30E+01**	**5.83E+00**	**6.30E+02**	**1.60E+03**	**8.00E+02**		**2.48E+02**	**99% Chebyshev**	**34 of 38**			
Lithium	1.92E+01	3.22E+01	2.59E+00	1.90E+03	2.30E+04		2.08E+01	95% Student's-t	36 of 38			
m,p-xylene	1.32E-03	1.39E-03	1.32E-03	6.50E+03	2.10E+02	<	4.22E-04	median	2 of 19			
Manganese	3.87E+02	1.21E+03	8.23E+01	2.41E+04	3.50E+04		6.39E+02	97.5% Chebyshev	38 of 38			
Mercury	1.43E-02	1.70E-01	3.40E-03	3.26E+00	3.40E+02		4.38E-02	97.5% KM (Chebyshev)	15 of 38			
Methylcyclohexane	1.76E-03	2.78E-03	1.50E-03	3.29E+04	1.40E+02	<	1.54E-03	median	6 of 19	1.4E+02	1.4E+01	
Molybdenum	1.40E-01	1.07E+01	8.50E-02	4.51E+03	5.70E+03		2.49E+00	97.5% KM (Chebyshev)	21 of 38	4.5E+03	4.5E+02	
Naphthalene	3.24E+00	1.48E-01	1.30E-03	1.90E+02	2.10E+02	<	3.70E-03	median	6 of 19	1.9E+02	1.9E+01	
Nickel	1.80E+01	5.17E+01	9.74E+00	7.94E+03	2.30E+04		2.01E+01	95% Student's-t	38 of 38	7.9E+03	7.9E+02	
Phenanthrene	1.50E-01	1.83E+00	1.80E-02	1.86E+04	---		5.70E-01	97.5% KM (Chebyshev)	12 of 38			
Pyrene	2.62E-01	4.64E+00	1.49E-02	1.86E+04	3.20E+04		1.12E+00	97.5% KM (Chebyshev)	14 of 38			
Silver	1.05E-01	4.10E-01	9.20E-02	1.71E+03	5.70E+03	<	5.90E-02	median	3 of 38	1.7E+03	1.7E+02	
Strontium	5.64E+01	9.62E+01	2.21E+01	4.91E+05	1.00E+05		6.20E+01	95% Student's-t	38 of 38	1.0E+05	1.0E+04	
Tetrachloroethene	**1.26E-02**	**2.23E-01**	**1.35E-03**	**3.30E+02**	**1.70E+00**	**<**	**2.11E-04**	**median**	**3 of 19**	**1.7E+00**	**1.7E-01**	**Max Detect Exceedance**
Tin	5.34E+00	3.67E+00	6.80E-01	3.97E+05	---	<	5.70E-01	median	5 of 38	4.0E+05	4.0E+04	
Titanium	2.33E+01	5.70E+01	3.41E+00	1.00E+06	---		4.03E+01	97.5% Chebyshev	38 of 38	1.0E+06	1.0E+05	
Toluene	3.24E-03	1.22E-02	1.34E-03	2.90E+04	5.20E+02		8.15E-03	97.5% KM (Chebyshev)	8 of 19	5.2E+02	5.2E+01	
Vanadium	2.10E+01	4.58E+01	7.85E+00	2.29E+03	1.10E+03		2.33E+01	95% Student's-t	38 of 38	1.1E+03	1.1E+02	
Xylene (total)	1.78E-01	1.76E+00	1.39E-03	6.50E+03	2.10E+02		8.58E-01	97.5% KM (Chebyshev)	8 of 19	2.1E+02	2.1E+01	
Zinc	2.83E+02	5.64E+03	2.11E+01	2.45E+05	1.00E+05		1.78E+03	99% Chebyshev	38 of 38	1.0E+05	1.0E+04	

Notes:
+ Soil was collected from 0 to 4 ft. below ground surface.
++ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.
(1) - $^{Tot}Soil_{Comb}$ PCL = TCEQ Protective Concentration Level for 30 acre source area Commercial/Industrial total soil combined pathway (includes inhalation; ingestion; dermal pathways).
(2) - From EPA's "Region 6 Human Health Medium-Specific Screening Levels 2004-2005". Industrial Outdoor Worker.
(3) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

TABLE 10
EXPOSURE POINT CONCENTATIONS (mg/L)
NORTH AREA ZONE A GROUNDWATER

Chemical of Interest+	Average		RME EPC (1)	Notes:	# of Detects/# of Samples
1,1,1-Trichloroethane	1.48E+01		1.56E+02	RME EPC is max detect	5 of 16
1,1-Dichloroethane	2.80E+00		3.15E+01	RME EPC is max detect	5 of 12
1,1-Dichloroethene	3.46E+00		2.92E+01	RME EPC is max detect	6 of 16
1,2,3-Trichloropropane	6.17E+00		4.43E+01	RME EPC is max detect	5 of 16
1,2,4-Trimethylbenzene	3.80E-02		4.20E-02	RME EPC is max detect	1 of 12
1,2-Dichloroethane	2.42E+01		3.28E+02	RME EPC is max detect	6 of 16
1,2-Dichloropropane	4.90E-01		3.45E+00	RME EPC is max detect	4 of 16
2-Methylnaphthalene	2.70E-03		1.60E-02	RME EPC is max detect	2 of 12
4,4'-DDD	2.48E-06		1.90E-05	RME EPC is max detect	1 of 12
4,4'-DDE	2.14E-05		2.70E-04	RME EPC is max detect	2 of 12
4-Chloroaniline	1.50E-03		1.30E-02	RME EPC is max detect	1 of 12
4-Isopropyltoluene	2.30E-02		2.00E-03	RME EPC is max detect*	1 of 12
Acenaphthene	9.00E-04		8.60E-03	RME EPC is max detect	1 of 12
Acetone	2.81E-01		1.15E-01	RME EPC is max detect*	1 of 12
Acetophenone	6.80E-03		7.40E-02	RME EPC is max detect	1 of 12
alpha-BHC	1.96E-05		2.00E-04	RME EPC is max detect	1 of 12
Aluminum	8.18E-02		2.60E-01	RME EPC is max detect	5 of 12
Aniline	1.30E-03		1.10E-02	RME EPC is max detect	1 of 12
Anthracene	4.30E-04		1.40E-03	RME EPC is max detect	2 of 12
Antimony	1.98E-02		4.30E-02	RME EPC is max detect	11 of 12
Arsenic	1.13E-02		2.80E-02	RME EPC is max detect	2 of 12
Barium	1.64E-01		1.38E+00	RME EPC is max detect	12 of 12
Benzene	1.02E+00		8.24E+00	RME EPC is max detect	7 of 16
Benzo(b)fluoranthene	3.23E-04		1.40E-03	RME EPC is max detect	1 of 12
Benzo(g,h,i)perylene	2.89E-04		1.50E-03	RME EPC is max detect	1 of 12
Benzoic Acid	1.10E-03		1.40E-03	RME EPC is max detect	5 of 12
beta-BHC	1.09E-05		8.30E-05	RME EPC is max detect	2 of 12
Bis(2-ethylhexyl)Phthalate	3.70E-03		6.00E-04	RME EPC is max detect	1 of 12
Boron	2.20E+00		3.44E+00	RME EPC is max detect	12 of 12
Carbazole	2.20E-03		7.70E-03	RME EPC is max detect	3 of 12
Carbon Tetrachloride	5.60E-01		7.58E+00	RME EPC is max detect	1 of 16
Chromium	9.10E-02		1.60E-01	RME EPC is max detect	12 of 12
cis-1,2-Dichloroethene	8.96E+00		1.24E+02	RME EPC is max detect	6 of 16
Cobalt	2.60E-03		1.60E-02	RME EPC is max detect	3 of 12

delta-BHC	5.97E-06		4.10E-05	RME EPC is max detect	2 of 12
Dibenz(a,h)anthracene	4.87E-04		2.90E-03	RME EPC is max detect	1 of 12
Dibenzofuran	6.01E-04		4.90E-03	RME EPC is max detect	1 of 12
Dieldrin	5.01E-06		2.64E-05	RME EPC is max detect	1 of 16
Endosulfan II	1.29E-05		1.20E-04	RME EPC is max detect	6 of 17
Endosulfan Sulfate	2.46E-06		1.56E-05	RME EPC is max detect	1 of 12
Endrin Aldehyde	1.31E-05		1.30E-04	RME EPC is max detect	1 of 12
Ethylbenzene	9.69E-02		7.40E-01	RME EPC is max detect	1 of 13
Fluorene	8.51E-04		6.10E-03	RME EPC is max detect	3 of 12
gamma-BHC (Lindane)	1.25E-04		1.50E-03	RME EPC is max detect	3 of 16
Heptachlor Epoxide	5.44E-06		2.50E-05	RME EPC is max detect	1 of 12
Indeno(1,2,3-cd)pyrene	4.73E-04		3.30E-03	RME EPC is max detect	1 of 12
Iron	1.31E+01		3.66E+01	RME EPC is max detect	12 of 12
Isopropylbenzene (Cumene)	2.80E-02		3.80E-02	RME EPC is max detect*	2 of 12
Lithium	3.19E-01		6.70E-01	RME EPC is max detect	12 of 12
m,p-Cresol	2.78E-03		1.20E-02	RME EPC is max detect	3 of 12
m,p-Xylene	6.85E-02		1.68E-01	RME EPC is max detect	1 of 12
Manganese	7.74E+00		2.69E+01	RME EPC is max detect	12 of 12
Methylene Chloride	9.57E+01		1.23E+03	RME EPC is max detect	4 of 16
Molybdenum	7.20E-03		5.50E-02	RME EPC is max detect	1 of 12
Naphthalene	7.83E-02		3.22E-01	RME EPC is max detect	1 of 13
Nickel	1.99E-02		1.40E-01	RME EPC is max detect	7 of 14
n-Propylbenzene	3.60E-02		3.10E-02	RME EPC is max detect*	1 of 12
o-Cresol	1.40E-03		8.10E-03	RME EPC is max detect	2 of 12
o-Xylene	4.62E-02		4.40E-02	RME EPC is max detect*	1 of 12
Phenanthrene	8.31E-04		6.40E-03	RME EPC is max detect	2 of 13
Pyrene	2.23E-04		5.00E-04	RME EPC is max detect	1 of 13
Silver	9.14E-03		1.70E-02	RME EPC is max detect	12 of 12
Strontium	1.10E+01		1.88E+01	RME EPC is max detect	12 of 12
Styrene	2.60E-02		2.50E-03	RME EPC is max detect*	1 of 12
Tetrachloroethene	1.95E+00		2.05E+01	RME EPC is max detect	4 of 16
Thallium	4.60E-03		3.00E-02	RME EPC is max detect	2 of 12
Titanium	1.20E-03		3.30E-03	RME EPC is max detect	3 of 12
Toluene	3.35E-01		4.05E+00	RME EPC is max detect	4 of 16
Trichloroethene	1.15E+01		8.40E+01	RME EPC is max detect	7 of 16
Vanadium	8.40E-03		2.40E-02	RME EPC is max detect	6 of 12
Vinyl Chloride	5.02E-01		5.09E+00	RME EPC is max detect	3 of 16
Xylene (total)	1.15E-01		2.12E-01	RME EPC is max detect	1 of 12

Notes:

*The maximum detected value is sometimes lower than the average since 1/2 of the reporting limit was used as a proxy value when it was not detected and because J flag data were used in the risk assessment.

[+] Chemicals of interest are any chemical measured in at least one sample.

[(1)] RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 11
EXPOSURE POINT CONCENTATIONS (mg/L)
WETLAND SURFACE WATER (TOTAL)

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ (1)	^{SW}RBELs Saltwater Fish Only (1)	RME EPC (2)	Statistic Used	# of Detects/# of Samples
1,2-Dichloroethane	2.30E-03	3.85E-03	2.55E-03	1.96E-01	4.93E-02	3.85E-03	RME EPC is max detect	3 of 4
Acrolein	1.21E-02	9.29E-03	9.29E-03	4.26E-01	2.90E-01	9.30E-03	RME EPC is max detect*	1 of 4
Aluminum	5.08E-01	8.00E-01	1.70E-01	4.03E+02	---	8.00E-01	RME EPC is max detect	4 of 4
Barium	2.20E-01	3.70E-01	1.50E-01	6.49E+01	---	3.70E-01	RME EPC is max detect	4 of 4
Boron	1.96E+00	2.42E+00	8.30E-01	7.44E+01	---	2.42E+00	RME EPC is max detect	4 of 4
Chromium	1.49E-02	3.70E-02	2.00E-02	1.26E+02	2.20E+00	3.70E-02	RME EPC is max detect	2 of 4
Chromium VI	3.13E-03	8.00E-03	8.00E-03	2.43E-01	---	8.00E-03	RME EPC is max detect	1 of 4
Copper	6.38E-03	1.10E-02	9.50E-03	3.31E+01	---	1.10E-02	RME EPC is max detect	2 of 4
Iron	6.45E-01	1.08E+00	1.90E-01	---	---	1.08E+00	RME EPC is max detect	4 of 4
Lithium	1.89E-01	2.50E-01	5.70E-02	1.65E+01	---	2.50E-01	RME EPC is max detect	4 of 4
Manganese	**1.37E-01**	**3.40E-01**	**1.80E-02**	**4.09E+01**	**1.00E-01**	**3.40E-01**	**RME EPC is max detect**	**4 of 4**
Mercury	**3.75E-05**	**7.00E-05**	**4.00E-05**	**9.73E-02**	**2.50E-05**	**7.00E-05**	**RME EPC is max detect**	**2 of 4**
Molybdenum	9.30E-03	1.50E-02	5.60E-03	3.47E+00	---	1.50E-02	RME EPC is max detect	3 of 4
Nickel	1.10E-03	2.20E-03	1.20E-03	1.13E+00	4.60E+00	2.20E-03	RME EPC is max detect	2 of 4
Strontium	5.27E+00	6.64E+00	1.87E+00	3.38E+02	---	6.64E+00	RME EPC is max detect	4 of 4
Titanium	6.40E-03	9.80E-03	2.40E-03	8.67E+04	---	9.80E-03	RME EPC is max detect	4 of 4
Zinc	7.30E-03	2.20E-02	2.20E-02	2.01E+02	2.60E+00	2.20E-02	RME EPC is max detect	1 of 4

WETLAND SURFACE WATER (DISSOLVED METALS)

Chemicals of Interest+	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ (1)	^{SW}RBELs Saltwater Fish Only (1)	RME EPC (2)	Statistic Used	# of Detects/# of Samples
Barium	3.20E-04	3.50E-01	1.40E-01	6.49E+01	---	3.50E-01	RME EPC is max detect	4 of 4
Boron	2.70E-02	2.75E+00	8.50E-01	7.44E+01	---	2.75E+00	RME EPC is max detect	4 of 4
Chromium	1.20E-03	3.70E-02	1.90E-02	1.26E+02	2.20E+00	3.70E-02	RME EPC is max detect	2 of 4
Copper	2.50E-03	1.10E-02	5.30E-03	3.31E+01	---	1.10E-02	RME EPC is max detect	3 of 4
Lithium	3.50E-03	2.80E-01	5.70E-02	1.65E+01	---	2.80E-01	RME EPC is max detect	4 of 4
Manganese	**6.00E-04**	**3.30E-01**	**2.50E-02**	**4.09E+01**	**1.00E-01**	**3.30E-01**	**RME EPC is max detect**	**4 of 4**
Molybdenum	2.70E-03	1.70E-02	5.40E-03	3.47E+00	---	1.70E-02	RME EPC is max detect	3 of 4
Nickel	4.50E-04	1.30E-03	4.90E-04	1.13E+00	4.60E+00	1.30E-03	RME EPC is max detect	2 of 4
Strontium	9.40E-04	7.01E+00	1.89E+00	3.38E+02	---	7.01E+00	RME EPC is max detect	4 of 4

Notes:
*The maximum detected value is sometimes lower than the average since 1/2 of the reporting limit was used as a proxy value when it was not detected, and because J flag data were used in the risk assessment.
+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.
(1) - TRRP 24. TCEQ, March 31, 2006.
(2) RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 12
EXPOSURE POINT CONCENTATIONS (mg/L)
POND SURFACE WATER (TOTAL)

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ (1)	^{SW}RBELs Saltwater Fish Only (1)	RME EPC (2)	Statistic Used	# of Detects/# of Samples	Min of PCL	(Min PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
4-Chloroaniline	2.79E-04	8.23E-04	8.23E-04	2.14E+00	NA	8.00E-04	RME EPC is max detect	1 of 6	2.1E+00	2.1E-01	
Aluminum	9.13E-01	2.22E+00	4.10E-01	4.03E+02	NA	2.22E+00	RME EPC is max detect	5 of 6	4.0E+02	4.0E+01	
Antimony	3.82E-03	7.60E-03	3.00E-03	1.99E-01	6.40E+00	7.60E-03	RME EPC is max detect	3 of 6	2.0E-01	2.0E-02	
Arsenic	**5.40E-03**	**1.30E-02**	**1.20E-02**	**2.85E-02**	**1.40E-02**	**1.30E-02**	**RME EPC is max detect**	**2 of 6**	2.9E-02	2.9E-03	Max Detect Exceedance
Barium	1.45E-01	1.90E-01	1.30E-01	6.49E+01	NA	1.90E-01	RME EPC is max detect	6 of 6	6.5E+01	6.5E+00	
Benzo(a)pyrene	1.12E-04	3.48E-04	3.48E-04	---	5.40E-03	3.00E-04	RME EPC is max detect	1 of 6	0.0E+00	0.0E+00	
Benzo(b)fluoranthene	4.03E-04	1.81E-03	1.81E-03	---	1.80E-03	1.80E-03	RME EPC is max detect	1 of 6	0.0E+00	0.0E+00	
Benzo(g,h,i)perylene	3.71E-04	1.73E-03	1.73E-03	---	NA	1.70E-03	RME EPC is max detect	1 of 6	0.0E+00	0.0E+00	
Benzo(k)fluoranthene	2.06E-04	5.42E-04	5.42E-04	---	1.80E-03	5.00E-04	RME EPC is max detect	1 of 6	0.0E+00	0.0E+00	
Bis(2-ethylhexyl)phthalate	1.92E-02	4.00E-02	2.90E-02	---	2.20E-01	4.00E-02	RME EPC is max detect	3 of 6	0.0E+00	0.0E+00	
Boron	2.97E+00	3.52E+00	2.45E+00	7.44E+01	NA	3.52E+00	RME EPC is max detect	6 of 6	7.4E+01	7.4E+00	
Chromium	8.50E-04	1.50E-03	1.50E-03	1.26E+02	2.20E+01	1.50E-03	RME EPC is max detect	1 of 6	1.3E+02	1.3E+01	
Chromium VI	8.50E-03	1.60E-02	1.50E-02	2.43E-01	NA	1.60E-02	RME EPC is max detect	2 of 6	2.4E-01	2.4E-02	
Chrysene	2.48E-04	7.10E-04	7.10E-04	---	5.40E-02	7.00E-04	RME EPC is max detect	1 of 6	0.0E+00	0.0E+00	
Cobalt	9.12E-04	3.20E-03	5.20E-04	5.33E+01	NA	3.20E-03	RME EPC is max detect	2 of 6	5.3E+01	5.3E+00	
Dibenz(a,h)anthracene	**6.26E-04**	**3.04E-03**	**3.04E-03**	**---**	**1.80E-03**	**3.00E-03**	**RME EPC is max detect**	**1 of 6**	0.0E+00	0.0E+00	
Di-n-butyl Phthalate	3.12E-03	3.81E-03	1.07E-03	4.49E+00	4.50E+01	3.80E-03	RME EPC is max detect	5 of 6	4.5E+00	4.5E-01	
Indeno(1,2,3-cd)pyrene	**6.73E-04**	**3.44E-03**	**3.44E-03**	**---**	**1.80E-03**	**3.40E-03**	**RME EPC is max detect**	**1 of 6**	0.0E+00	0.0E+00	
Iron	2.27E+00	6.67E+00	5.20E-01	---	NA	6.67E+00	RME EPC is max detect	6 of 6	0.0E+00	0.0E+00	
Lead	2.63E-03	1.10E-02	1.10E-02	---	1.69E-01	1.10E-02	RME EPC is max detect	1 of 6	0.0E+00	0.0E+00	
Lithium	1.16E-01	1.60E-01	6.70E-02	1.65E+01	NA	1.60E-01	RME EPC is max detect	6 of 6	1.7E+01	1.7E+00	
Manganese	6.37E-01	1.44E+00	8.50E-02	4.09E+01	1.00E+00	1.44E+00	RME EPC is max detect	6 of 6	4.1E+01	4.1E+00	
Molybdenum	8.73E-03	1.80E-02	1.30E-02	3.47E+00	NA	1.80E-02	RME EPC is max detect	3 of 6	3.5E+00	3.5E-01	
Nickel	4.60E-03	7.90E-03	3.00E-03	1.13E+01	4.60E+01	7.90E-03	RME EPC is max detect	6 of 6	1.1E+01	1.1E+00	
Selenium	4.26E-03	9.80E-03	9.80E-03	4.13E+00	4.20E+01	9.80E-03	RME EPC is max detect	1 of 6	4.1E+00	4.1E-01	
Silver	9.30E-03	1.50E-02	3.70E-03	1.57E+00	NA	1.50E-02	RME EPC is max detect	6 of 6	1.6E+00	1.6E-01	
Strontium	4.47E+00	7.19E+00	1.77E+00	3.38E+02	NA	7.19E+00	RME EPC is max detect	6 of 6	3.4E+02	3.4E+01	
Thallium	**2.86E-03**	**7.70E-03**	**6.20E-03**	**6.61E-02**	**4.70E-03**	**7.70E-03**	**RME EPC is max detect**	**2 of 6**	6.6E-02	6.6E-03	Max Detect Exceedance
Titanium	1.90E-02	4.40E-02	2.10E-03	8.67E+04	NA	4.40E-02	RME EPC is max detect	6 of 6	8.7E+04	8.7E+03	
Vanadium	3.20E-03	8.40E-03	4.30E-03	1.08E+00	NA	8.40E-03	RME EPC is max detect	3 of 6	1.1E+00	1.1E-01	
Zinc	1.20E-01	6.30E-01	2.70E-02	2.01E+02	2.60E+02	6.30E-01	RME EPC is max detect	3 of 6	2.0E+02	2.0E+01	

POND SURFACE WATER (DISSOLVED METALS)

Chemicals of Interest+	Average	Max Detection	Min Detection	$^{Tot}RW_{Comb}$ (1)	^{SW}RBELs Saltwater Fish Only (1)	RME EPC	Statistic Used	# of Detects/# of Samples
Antimony	3.50E-03	6.30E-03	3.10E-03	1.99E-01	6.40E+00	6.30E-03	RME EPC is max detect	3 of 6
Barium	1.25E-01	1.30E-01	1.20E-01	6.49E+01	NA	1.30E-01	RME EPC is max detect	6 of 6
Boron	2.79E+00	3.33E+00	2.36E+00	7.44E+01	---	3.33E+00	RME EPC is max detect	6 of 6
Lithium	1.45E-01	2.20E-01	8.00E-02	1.65E+01	NA	2.20E-01	RME EPC is max detect	6 of 6
Manganese	**4.65E-01**	**1.06E+00**	**6.60E-02**	**4.09E+01**	**1.00E+00**	**1.06E+00**	**RME EPC is max detect**	**6 of 6**
Molybdenum	1.01E-02	1.90E-02	1.80E-02	3.47E+00	NA	1.90E-02	RME EPC is max detect	3 of 6
Nickel	1.43E-03	2.60E-03	1.90E-03	1.13E+01	4.60E+01	2.60E-03	RME EPC is max detect	3 of 6
Silver	1.83E-03	2.90E-03	9.40E-04	1.57E+00	NA	2.90E-03	RME EPC is max detect	6 of 6
Strontium	4.32E+00	6.97E+00	1.78E+00	3.38E+02	NA	6.97E+00	RME EPC is max detect	6 of 6
Thallium	1.53E-03	3.20E-03	1.40E-03	6.61E-02	4.70E-03	3.20E-03	RME EPC is max detect	3 of 6
Vanadium	7.58E-04	2.10E-03	2.10E-03	1.08E+00	NA	2.10E-03	RME EPC is max detect	1 of 6

Notes:
*The maximum detected value is sometimes lower than the average since 1/2 of the reporting limit was used as a proxy value when it was not detected, and because J flag data were used in the risk assessment.
+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.
(1) - TRRP 24. TCEQ, March 31, 2006.
(2) RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 13
EXPOSURE POINT CONCENTATIONS (mg/kg)
WETLAND SEDIMENT

Chemical of Interest[+]	Average	Max Detection	Min Detection	$^{Tot}Sed_{Comb}$ [(1)]		95% UCL	Statistic Used [(2)]	# of Detects/# of Samples	PCL *0.1	Max Detect Exceeds Screening Level *0.1?
1,2-Dichloroethane	1.85E-03	2.40E-03	1.83E-03	6.0E+02	<	1.50E-04	median	3 of 48	6.0E+01	
2-Methylnaphthalene	2.25E-02	4.30E-01	1.22E-02	4.9E+02	<	1.20E-02	median	4 of 48	4.9E+01	
4,4'-DDT	1.39E-03	9.22E-03	9.29E-04	8.7E+01		2.52E-03	97.5% KM (Chebyshev)	16 of 55	8.7E+00	
Acenaphthene	2.13E-02	1.33E-01	1.60E-02	7.4E+03	<	1.11E-02	median	4 of 48	7.4E+02	
Acenaphthylene	4.88E-02	5.45E-01	2.91E-02	7.4E+03	<	1.27E-02	median	4 of 48	7.4E+02	
Aluminum	**1.32E+04**	**1.82E+04**	**3.40E+03**	**1.5E+05**		**1.40E+04**	**95% Student's-t**	**48 of 48**	**1.5E+04**	**Max Detect Exceedance**
Anthracene	2.99E-02	3.34E-01	8.38E-03	3.7E+04		9.70E-02	97.5% KM (Chebyshev)	8 of 48	3.7E+03	
Antimony[(3)]	1.24E+00	4.24E+00	4.60E-01	8.3E+01		1.80E+00	97.5% KM (Chebyshev)	40 of 48	8.3E+00	
Arsenic	**2.78E+00**	**1.28E+01**	**1.00E+00**	**1.1E+02**		**4.81E+00**	**97.5% KM (Chebyshev)**	**35 of 48**	**1.1E+01**	**Max Detect Exceedance**
Barium	1.52E+02	8.20E+02	3.60E+01	2.3E+04		2.38E+02	95% Chebyshev	48 of 48	2.3E+03	
Benzo(a)anthracene	9.20E-02	9.93E-01	5.46E-02	1.6E+01	<	1.14E-02	median	5 of 48	1.6E+00	
Benzo(a)pyrene	**1.10E-01**	**1.30E+00**	**1.76E-02**	**1.6E+00**		**3.47E-01**	**97.5% KM (Chebyshev)**	**15 of 48**	**1.6E-01**	**Max Detect Exceedance**
Benzo(b)fluoranthene	9.23E-02	1.36E+00	1.62E-02	1.6E+01		1.59E-01	95% KM (BCA)	19 of 48	1.6E+00	
Benzo(g,h,i)perylene	2.06E-01	1.94E+00	4.40E-02	3.7E+03		4.49E-01	95% KM (Chebyshev)	24 of 48	3.7E+02	
Benzo(k)fluoranthene	1.01E-01	7.30E-01	6.92E-02	1.6E+02		1.31E-01	95% KM (Bootstrap)	14 of 48	1.6E+01	
Beryllium	8.94E-01	1.37E+00	2.80E-01	2.7E+01		9.43E-01	95% Student's-t	48 of 48	2.7E+00	
Boron[(3)]	1.53E+01	4.62E+01	5.17E+00	1.1E+05		2.61E+01	97.5% KM (Chebyshev)	24 of 48	1.1E+04	
Cadmium	1.16E-01	4.80E-01	3.30E-02	1.1E+03		2.42E-01	97.5% KM (Chebyshev)	20 of 48	1.1E+02	
Carbazole	2.12E-02	1.41E-01	1.58E-02	7.1E+02	<	1.10E-02	median	5 of 48	7.1E+01	
Carbon Disulfide	3.48E-03	6.99E-03	3.34E-03	7.3E+04	<	1.40E-04	median	4 of 48	7.3E+03	
Chromium	1.51E+01	4.46E+01	8.96E+00	3.6E+04		1.64E+01	95% Student's-t	48 of 48	3.6E+03	
Chromium VI	1.63E+00	4.04E+00	1.30E+00	1.4E+02	<	5.67E-01	median	6 of 25	1.4E+01	
Chrysene	2.15E-01	4.05E+00	1.10E-02	1.6E+03		8.71E-01	97.5% KM (Chebyshev)	19 of 48	1.6E+02	
Cobalt	6.98E+00	9.89E+00	3.00E+00	3.2E+04		7.32E+00	95% Student's-t	48 of 48	3.2E+03	
Copper	1.45E+01	4.90E+01	5.44E+00	2.1E+04		2.21E+01	97.5% KM (Chebyshev)	48 of 48	2.1E+03	
Dibenz(a,h)anthracene	**2.87E-01**	**2.91E+00**	**1.29E-01**	**1.6E+00**	**<**	**3.75E-02**	**median**	**6 of 48**	**1.6E-01**	**Max Detect Exceedance**
Dibenzofuran	1.29E-02	8.00E-02	1.00E-02	6.1E+02	<	1.56E-02	median	3 of 48	6.1E+01	
Endosulfan Sulfate	8.46E-03	6.00E-02	7.31E-03	9.2E+02	<	4.40E-04	median	3 of 48	9.2E+01	
Endrin Aldehyde	1.28E-03	1.00E-02	5.66E-04	4.6E+01		3.32E-03	97.5% KM (Chebyshev)	9 of 48	4.6E+00	
Endrin Ketone	3.55E-03	1.30E-02	3.29E-03	4.6E+01	<	5.50E-04	median	3 of 48	4.6E+00	
Fluoranthene	1.04E-01	2.17E+00	1.20E-02	4.9E+03		4.46E-01	97.5% KM (Chebyshev)	13 of 48	4.9E+02	
Fluorene	2.17E-02	1.39E-01	1.50E-02	4.9E+03	<	1.10E-02	median	4 of 48	4.9E+02	
gamma-Chlordane	8.77E-04	3.60E-03	7.69E-04	4.1E+01	<	4.40E-04	median	4 of 48	4.1E+00	
Indeno(1,2,3-cd)pyrene	**2.20E-01**	**1.94E+00**	**6.28E-02**	**1.6E+01**		**3.17E-01**	**95% KM (BCA)**	**23 of 48**	**1.6E+00**	**Max Detect Exceedance**
Iron	1.72E+04	6.09E+04	1.11E+04	---		1.88E+04	95% Student's-t	48 of 48		
Lead	**2.54E+01**	**2.37E+02**	**9.40E+00**	**5.0E+02**		**4.68E+01**	**95% Chebyshev**	**48 of 48**	**5.0E+01**	**Max Detect Exceedance**
Lithium	1.87E+01	2.76E+01	5.43E+00	1.1E+04		1.96E+01	95% Student's-t	48 of 48	1.1E+03	
Manganese	3.32E+02	1.01E+03	8.76E+01	1.4E+04		5.17E+02	97.5% Chebyshev	48 of 48	1.4E+03	
Mercury	2.04E-02	8.10E-02	6.10E-03	3.4E+01		3.80E-02	97.5% KM (Chebyshev)	26 of 48	3.4E+00	
Molybdenum	5.99E-01	3.24E+00	1.30E-01	1.8E+03		1.20E+00	97.5% KM (Chebyshev)	38 of 48	1.8E+02	
Nickel	1.73E+01	2.77E+01	1.09E+01	1.4E+03		1.81E+01	95% Student's-t	48 of 48	1.4E+02	
Phenanthrene	8.46E-02	1.30E+00	2.30E-02	3.7E+03		1.56E-01	95% KM (BCA)	12 of 48	3.7E+02	
Pyrene	1.52E-01	1.64E+00	1.59E-02	3.7E+03		4.77E-01	97.5% KM (Chebyshev)	19 of 48	3.7E+02	
Strontium	6.70E+01	3.30E+02	1.88E+01	1.5E+05		1.15E+02	97.5% KM (Chebyshev)	48 of 48	1.5E+04	
Tin[(3)]	6.38E-01	4.61E+00	3.45E+00	9.2E+04		1.26E+00	95% Chebyshev	4 of 48	9.2E+03	
Titanium	2.91E+01	6.87E+01	8.15E+00	1.0E+06		4.17E+01	97.5% Chebyshev	48 of 48	1.0E+05	
Toluene	1.58E-03	2.14E-03	1.57E-03	5.9E+04	<	7.30E-04	median	3 of 48	5.9E+03	
Vanadium	2.17E+01	3.20E+01	9.02E+00	3.3E+02		2.28E+01	95% Student's-t	48 of 48	3.3E+01	
Zinc	1.39E+02	9.03E+02	3.15E+01	7.6E+04		2.36E+02	95% Chebyshev	53 of 53	7.6E+03	

Notes:

[+] Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.

(1) - $^{Tot}Sed_{Comb}$ PCL = TCEQ Protective Concentration Level for total sediment combined pathway (includes inhalation; ingestion; dermal pathways).

(2) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

(3) - Samples 2WSED8, SWSED10, 4WSED2, and 4WSED3 were re-analyzed for antimony, boron, and tin because theinitial data indicated concentrations much higher than data for the rest of the samples although QA/QC indicated that they were

TABLE 14
EXPOSURE POINT CONCENTATIONS (mg/kg)
POND SEDIMENT

Chemical of Interest[+]	Average	Max Detection	Min Detection	$^{Tot}Sed_{Comb}$ [(1)]		RME EPC	Statistic Used [(2)]	# of Detects/# of Samples	PCL *0.1	Max Detect Exceeds Screening Level *0.1?
2,4,6-Trichlorophenol	4.29E-02	4.29E-02	4.29E-02	1.3E+03	<	2.69E-02	median	1 of 8	1.3E+02	
4,4'-DDD	6.76E-04	6.76E-04	6.76E-04	1.2E+02	<	2.00E-02	median	1 of 8	1.2E+01	
4,4'-DDT	1.27E-03	1.57E-03	1.11E-03	8.7E+01	<	1.10E-02	median	3 of 8	8.7E+00	
Acetone	7.98E-02	7.98E-02	7.98E-02	6.6E+05	<	4.25E-02	median	1 of 8	6.6E+04	
Aluminum	**1.17E+04**	**1.63E+04**	**7.99E+03**	**1.5E+05**		**1.40E+04**	**95% Student's-t**	**8 of 8**	**1.5E+04**	**Max Detect Exceedance**
Antimony	1.41E+00	1.85E+00	3.30E-01	8.3E+01	<	4.40E-01	median	8 of 8	8.3E+00	
Arsenic	3.76E+00	5.01E+00	3.39E+00	1.1E+02	<	3.35E-01	median	3 of 8	1.1E+01	
Barium	1.99E+02	4.17E+02	1.08E+02	2.3E+04		3.83E+02	95% Chebyshev	8 of 8	2.3E+03	
Benzo(b)fluoranthene	5.37E-02	1.06E-01	2.93E-02	1.6E+01	<	3.38E-02	median	6 of 8	1.6E+00	
Benzo(g,h,i)perylene	1.35E-01	1.35E-01	1.35E-01	3.7E+03	<	1.59E-02	median	1 of 8	3.7E+02	
Benzo(k)fluoranthene	1.14E-01	1.30E-01	1.10E-01	1.6E+02	<	2.75E-02	median	3 of 8	1.6E+01	
Beryllium	8.34E-01	1.13E+00	5.80E-01	2.7E+01		9.72E-01	95% Student's-t	8 of 8	2.7E+00	
beta-BHC	6.99E-04	6.99E-04	6.99E-04	1.4E+01	<	2.30E-02	median	1 of 8	1.4E+00	
Boron	1.73E+01	2.84E+01	1.10E+01	1.1E+05	<	1.24E+01	median	5 of 8	1.1E+04	
Bromomethane	1.61E-02	3.10E-02	1.40E-02	1.0E+03	<	1.35E-02	median	2 of 8	1.0E+02	
Cadmium	2.13E-01	2.70E-01	1.90E-01	1.1E+03	<	1.90E-01	median	5 of 8	1.1E+02	
Carbon Disulfide	7.71E-03	7.71E-03	7.71E-03	7.3E+04	<	9.60E-04	median	1 of 8	7.3E+03	
Chromium	1.29E+01	2.01E+01	8.29E+00	3.6E+04		1.60E+01	95% Student's-t	8 of 8	3.6E+03	
Chrysene	2.57E-02	2.57E-02	2.57E-02	1.6E+03	<	1.40E-02	median	1 of 8	1.6E+02	
Cobalt	6.94E+00	8.99E+00	5.19E+00	3.2E+04		7.86E+00	95% Student's-t	8 of 8	3.2E+03	
Copper	1.52E+01	2.68E+01	8.33E+00	2.1E+04		2.02E+01	95% Student's-t	8 of 8	2.1E+03	
Iron	1.53E+04	2.01E+04	1.13E+04	---		1.74E+04	95% Student's-t	8 of 8		
Lead	1.75E+01	3.05E+01	1.06E+01	5.0E+02		2.23E+01	95% Student's-t	8 of 8	5.0E+01	
Lithium	1.85E+01	2.37E+01	1.35E+01	1.1E+04		2.12E+01	95% Student's-t	8 of 8	1.1E+03	
m,p-Cresol	3.75E-02	3.75E-02	3.75E-02	---	<	2.34E-02	median	1 of 8		
Manganese	4.88E+02	7.11E+02	3.52E+02	1.4E+04		5.71E+02	95% Student's-t	8 of 8	1.4E+03	
Methyl Iodide	4.10E-02	4.10E-02	4.10E-02	1.0E+03	<	7.84E-03	median	1 of 8	1.0E+02	
Molybdenum	2.59E-01	6.00E-01	2.10E-01	1.8E+03	<	1.20E-01	median	2 of 8	1.8E+02	
Nickel	1.63E+01	2.06E+01	1.23E+01	1.4E+03		1.84E+01	95% Student's-t	8 of 8	1.4E+02	
Pyrene	2.13E-02	2.65E-02	2.01E-02	3.7E+03	<	1.96E-02	median	3 of 8	3.7E+02	
Strontium	1.04E+02	1.81E+02	6.33E+01	1.5E+05		1.32E+02	95% Student's-t	8 of 8	1.5E+04	
Titanium	3.00E+01	4.05E+01	1.91E+01	1.0E+06		3.54E+01	95% Student's-t	8 of 8	1.0E+05	
Vanadium	2.18E+01	2.74E+01	1.68E+01	3.3E+02		2.46E+01	95% Student's-t	8 of 8	3.3E+01	
Zinc	3.32E+02	9.99E+02	3.82E+01	7.6E+04		9.61E+02	95% Chebyshev	8 of 8	7.6E+03	

Notes:

[+] Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.

(1) - $^{Tot}Sed_{Comb}$ PCL = TCEQ Protective Concentration Level for total sediment combined pathway (includes inhalation; ingestion; dermal pathways).

(2) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

TABLE 15
EXPOSURE POINT CONCENTRATIONS (mg/kg)
BACKGROUND SOIL+

Chemical of Interest++	Average	Max Detection	Min Detection	$^{Tot}Soil_{Comb}$ (1)	EPA Region 6 Soil Screening Criteria(2)		95% UCL	Statistic Used (3)	# of Detects/# of Samples	Min of PCL or EPA #	(Min PCL or EPA) *0.1	Max Detect Exceeds Screening level *0.1?
Antimony	1.62E+00	2.19E+00	2.50E-01	3.06E+02	4.50E+02	<	8.90E-01	median	5 of 10	3.1E+02	3.1E+01	
Arsenic	**3.44E+00**	**5.90E+00**	**2.40E-01**	**1.96E+02**	**1.80E+00**		**4.48E+00**	**95% Winsor's-t**	**10 of 10**	1.8E+00	1.8E-01	Max Detect Exceedance
Barium	3.33E+02	1.13E+03	1.50E+02	8.90E+04	7.90E+04		9.02E+02	97.5% Chebyshev	10 of 10	7.9E+04	7.9E+03	
Benzo(a)anthracene	8.20E-02	8.20E-02	8.20E-02	2.36E+01	2.30E+00	<	7.61E-03	median	1 of 10	2.3E+00	2.3E-01	
Benzo(a)pyrene	**7.60E-02**	**7.60E-02**	**7.60E-02**	**2.37E+00**	**2.30E-01**	**<**	**1.00E-02**	**median**	**1 of 10**	2.3E-01	2.3E-02	Max Detect Exceedance
Benzo(b)fluoranthene	5.70E-02	5.70E-02	5.70E-02	2.36E+01	2.30E+00	<	8.22E-03	median	1 of 10	2.3E+00	2.3E-01	
Benzo(g,h,i)perylene	8.30E-02	8.30E-02	8.30E-02	1.86E+04	---	<	3.50E-02	median	1 of 10	1.9E+04	1.9E+03	
Benzo(k)fluoranthene	1.06E-01	1.06E-01	1.06E-01	2.37E+02	2.30E+01	<	1.15E-02	median	1 of 10	2.3E+01	2.3E+00	
Cadmium	8.30E-02	1.10E-01	4.10E-02	8.52E+02	5.60E+02	<	1.90E-02	median	3 of 10	5.6E+02	5.6E+01	
Carbazole	1.10E-02	1.10E-02	1.10E-02	9.54E+02	9.60E+01	<	8.86E-03	median	1 of 10	9.6E+01	9.6E+00	
Chromium	1.52E+01	2.01E+01	1.07E+01	5.70E+04	5.00E+02		1.70E+01	95% Student's-t	10 of 10	5.0E+02	5.0E+01	
Chrysene	8.30E-02	8.30E-02	8.30E-02	2.40E+03	2.30E+02	<	1.40E-02	median	1 of 10	2.3E+02	2.3E+01	
Copper	1.21E+01	1.93E+01	7.68E+00	3.70E+04	4.20E+04		1.44E+01	95% Student's-t	10 of 10	3.7E+04	3.7E+03	
Fluoranthene	1.56E-01	1.56E-01	1.56E-01	2.48E+04	2.40E+04	<	1.15E-02	median	1 of 10	2.4E+04	2.4E+03	
Indeno(1,2,3-cd)pyrene	**4.17E-01**	**4.17E-01**	**4.17E-01**	**2.37E+01**	**2.30E+00**	**<**	**2.95E-02**	**median**	**1 of 10**	2.3E+00	2.3E-01	Max Detect Exceedance
Lead	1.34E+01	1.52E+01	1.10E+01	1.60E+03	8.00E+02		1.43E+01	95% Student's-t	10 of 10	8.0E+02	8.0E+01	
Lithium	2.11E+01	3.25E+01	1.44E+01	1.90E+03	2.30E+04		2.41E+01	95% Student's-t	10 of 10	1.9E+03	1.9E+02	
Manganese	3.77E+02	5.51E+02	2.84E+02	2.41E+04	3.50E+04		5.07E+02	95% Chebyshev	10 of 10	2.4E+04	2.4E+03	
Mercury	2.13E-02	3.00E-02	1.50E-02	3.26E+00	3.40E+02		2.41E-02	95% Student's-t	10 of 10	3.3E+00	3.3E-01	
Molybdenum	5.22E-01	6.80E-01	4.20E-01	4.51E+03	5.70E+03		5.65E-01	95% Student's-t	10 of 10	4.5E+03	4.5E+02	
Phenanthrene	1.37E-01	1.37E-01	1.37E-01	1.86E+04	---	<	6.72E-03	median	1 of 10	1.9E+04	1.9E+03	
Pyrene	1.27E-01	1.27E-01	1.27E-01	1.86E+04	3.20E+04	<	2.00E-02	median	1 of 10	1.9E+04	1.9E+03	
Zinc	2.47E+02	9.69E+02	3.66E+01	2.45E+05	1.00E+05		7.50E+02	95% Chebyshev	10 of 10	1.0E+05	1.0E+04	

Notes:
+ Soil was collected from 0 to 4 ft. below ground surface.
++ Chemicals of interest are any chemical measured in at least one sample. Bolded compounds have a maximum concentration that exceeded one-tenth of the screening value.
(1) - $^{Tot}Soil_{Comb}$ PCL = TCEQ Protective Concentration Level for 30 acre source area Commercial/Industrial total soil combined pathway (includes inhalation; ingestion; dermal pathways).
(2) - From EPA's "Region 6 Human Health Medium-Specific Screening Levels 2004-2005". Industrial Outdoor Worker.
(3) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

TABLE 16
QUALITATIVE CURRENT OFF-SITE RESIDENTIAL RECEPTOR EVALUATION
SOUTH AREA SOIL*

Chemical of Interest+	Average	Max Detection	Min Detection	$^{Air}Soil_{Inh-VP}$ (1)	95% UCL	Statistic Used (3)	# of Detects/# of Samples	Min of PCL or EPA #	Max Detect Exceeds Screening level *0.1?
1,3,5-Trimethylbenzene	9.89E-02	4.36E+00	2.67E-04	6.00E+01	5.56E-01	97.5% KM (Chebyshev)	9 of 83	6.0E+01	6.0E+01
2-Butanone	3.29E-03	2.26E-02	9.92E-04	5.90E+04	4.14E-03	95% KM (Bootstrap)	4 of 83	5.9E+04	5.9E+04
2-Hexanone	1.65E-03	2.07E-02	1.09E-03	5.70E+01	3.63E-02	97.5% KM (Chebyshev)	8 of 83	5.7E+01	5.7E+01
2-Methylnaphthalene	6.97E-02	7.21E+00	1.06E-02	---	1.60E-01	95% KM (BCA)	32 of 166	0.0E+00	0.0E+00
4,4'-DDD	7.76E-03	1.12E+00	3.69E-04	---	5.08E-02	97.5% KM (Chebyshev)	21 of 166	0.0E+00	0.0E+00
4,4'-DDE	1.58E-03	6.93E-02	4.28E-04	---	2.81E-03	95% KM (BCA)	22 of 166	0.0E+00	0.0E+00
4,4'-DDT	3.75E-03	1.13E-01	2.81E-04	6.20E+02	9.27E-03	97.5% KM (Chebyshev)	68 of 166	6.2E+02	6.2E+02
Acenaphthene	4.33E-02	1.69E+00	1.13E-02	---	1.16E-01	97.5% KM (Chebyshev)	35 of 166	0.0E+00	0.0E+00
Acenaphthylene	4.84E-02	1.20E+00	1.72E-02	---	7.19E-02	95% KM (BCA)	37 of 166	0.0E+00	0.0E+00
Acetone	3.70E-02	1.60E-01	3.10E-02	5.80E+03	5.41E-02	97.5% KM (Chebyshev)	10 of 83	5.8E+03	5.8E+03
Aluminum	6.45E+03	1.57E+04	4.14E+02	2.60E+06	8.20E+03	97.5% Chebyshev	166 of 166	2.6E+06	2.6E+06
Anthracene	8.89E-02	2.46E+00	1.12E-02	---	1.24E-01	95% KM (BCA)	65 of 166	0.0E+00	0.0E+00
Antimony	1.45E+00	5.51E+00	2.00E-01	2.50E+05	1.87E+00	97.5% KM (Chebyshev)	144 of 166	2.5E+05	2.5E+05
Aroclor-1254	**2.16E-01**	**1.15E+01**	**3.34E-03**	**2.80E+00**	**7.73E-01**	**97.5% KM (Chebyshev)**	**25 of 170**	**2.8E+00**	**2.8E+00**
Arsenic	3.33E+00	2.43E+01	2.30E-01	2.70E+03	4.92E+00	97.5% KM (Chebyshev)	139 of 166	2.7E+03	2.7E+03
Barium	2.37E+02	2.18E+03	1.86E+01	2.50E+05	3.30E+02	95% Chebyshev	166 of 166	2.5E+05	2.5E+05
Benzene	3.89E-03	2.21E-02	3.39E-04	8.40E+01	6.09E-03	97.5% KM (Chebyshev)	72 of 83	8.4E+01	8.4E+01
Benzo(a)anthracene	2.69E-01	5.02E+00	1.18E-02	1.90E+03	6.43E-01	97.5% KM (Chebyshev)	44 of 166	1.9E+03	1.9E+03
Benzo(a)pyrene	3.48E-01	4.88E+00	9.99E-03	4.40E+02	7.63E-01	97.5% KM (Chebyshev)	113 of 166	4.4E+02	4.4E+02
Benzo(b)fluoranthene	4.77E-01	5.97E+00	4.08E-02	3.20E+03	8.22E-01	95% KM (Chebyshev)	102 of 166	3.2E+03	3.2E+03
Benzo(g,h,i)perylene	2.17E-01	4.24E+00	9.89E-03	---	4.94E-01	97.5% KM (Chebyshev)	81 of 166	0.0E+00	0.0E+00
Benzo(k)fluoranthene	1.58E-01	4.25E+00	1.58E-02	7.80E+04	3.81E-01	97.5% KM (Chebyshev)	45 of 166	7.8E+04	7.8E+04
Beryllium	4.65E-01	4.60E+00	1.40E-02	4.80E+03	5.25E-01	95% KM (BCA)	165 of 166	4.8E+03	4.8E+03
Boron	5.68E+00	5.44E+01	2.43E+00	1.00E+07	6.51E+00	95% KM (Bootstrap)	72 of 166	1.0E+07	1.0E+07
Butyl Benzyl Phthalate	2.01E-02	6.17E-01	1.29E-02	1.30E+04	4.72E-02	97.5% KM (Chebyshev)	10 of 166	1.3E+04	1.3E+04
Cadmium	3.40E-01	9.71E+00	2.30E-02	6.50E+03	4.67E-01	95% KM (Bootstrap)	93 of 166	6.5E+03	6.5E+03
Carbazole	4.64E-02	1.54E+00	1.04E-02	---	1.19E-01	97.5% KM (Chebyshev)	42 of 166	0.0E+00	0.0E+00
Carbon Disulfide	1.67E-03	2.80E-02	9.87E-04	5.50E+03	3.92E-03	97.5% KM (Chebyshev)	13 of 83	5.5E+03	5.5E+03
Chromium	1.35E+01	1.36E+02	2.03E+00	5.00E+04	1.78E+01	95% Chebyshev	166 of 166	5.0E+04	5.0E+04
Chrysene	3.28E-01	4.87E+00	9.01E-03	3.00E+05	7.12E-01	97.5% KM (Chebyshev)	93 of 166	3.0E+05	3.0E+05
Cobalt	4.11E+00	1.60E+01	4.90E-02	1.30E+03	4.35E+00	95% Winsor-t	165 of 166	1.3E+03	1.3E+03
Copper	2.43E+01	4.87E+02	1.30E-01	5.00E+05	4.01E+01	95% KM (Chebyshev)	164 of 166	5.0E+05	5.0E+05
Cyclohexane	2.65E-01	2.17E+01	6.26E-04	4.70E+04	1.91E+00	97.5% KM (Chebyshev)	47 of 83	4.7E+04	4.7E+04
Dibenz(a,h)anthracene	1.48E-01	1.64E+00	6.19E-02	1.00E+03	1.80E-01	95% KM (Bootstrap)	56 of 166	1.0E+03	1.0E+03
Dibenzofuran	3.34E-02	8.21E-01	1.67E-02	---	7.31E-02	97.5% KM (Chebyshev)	23 of 166	0.0E+00	0.0E+00
Dieldrin	8.89E-04	2.05E-02	2.43E-04	1.60E+01	2.11E-03	97.5% KM (Chebyshev)	33 of 166	1.6E+01	1.6E+01
Di-n-butyl Phthalate	4.18E-02	7.53E-01	3.11E-02	1.50E+04	7.65E-02	97.5% KM (Chebyshev)	11 of 166	1.5E+04	1.5E+04
Endosulfan Sulfate	1.27E-03	7.13E-02	7.13E-02	---	2.30E-03	95% KM (BCA)	21 of 166	0.0E+00	0.0E+00
Endrin Aldehyde	2.01E-03	7.38E-02	4.97E-04	---	3.54E-03	95% KM (BCA)	31 of 166	0.0E+00	0.0E+00
Endrin Ketone	1.35E-03	2.00E-02	4.69E-04	9.70E+02	2.53E-03	97.5% KM (Chebyshev)	25 of 166	9.7E+02	9.7E+02
Ethylbenzene	3.40E-03	1.05E-01	6.54E-04	7.90E+03	5.91E-03	95% KM (Bootstrap)	47 of 83	7.9E+03	7.9E+03
Fluoranthene	5.95E-01	1.42E+01	1.33E-02	---	1.41E+00	97.5% KM (Chebyshev)	96 of 166	0.0E+00	0.0E+00
Fluorene	4.44E-02	1.11E+00	9.45E-03	---	1.07E-01	97.5% KM (Chebyshev)	41 of 166	0.0E+00	0.0E+00
gamma-Chlordane	9.98E-04	1.56E-02	7.10E-04	5.00E+02	1.84E-03	97.5% KM (Chebyshev)	12 of 166	5.0E+02	5.0E+02
Indeno(1,2,3-cd)pyrene	3.85E-01	6.49E+00	5.74E-02	1.30E+04	6.58E-01	95% KM (Chebyshev)	104 of 166	1.3E+04	1.3E+04
Iron	1.43E+04	7.71E+04	2.41E+03	---	1.75E+04	95% Chebyshev	166 of 166	0.0E+00	0.0E+00
Isopropylbenzene (cumene)	8.31E-01	6.49E+01	3.18E-04	4.80E+03	5.85E+00	97.5% KM (Chebyshev)	16 of 83	4.8E+03	4.8E+03
Lead	5.35E+01	7.02E+02	2.48E+00	---	1.04E+02	97.5% Chebyshev	166 of 166	0.0E+00	0.0E+00
Lithium	1.00E+01	2.86E+01	6.50E-01	---	1.22E+01	95% Chebyshev	166 of 166	0.0E+00	0.0E+00
m,p-Xylene	3.43E-02	2.56E+00	5.58E-04	4.80E+03	1.69E-01	95% KM (Chebyshev)	53 of 83	4.8E+03	4.8E+03
Manganese	2.61E+02	8.92E+02	5.93E+01	2.50E+04	2.78E+02	95% Student's-t	166 of 166	2.5E+04	2.5E+04
Mercury	2.56E-02	8.50E-01	2.60E-03	2.40E+00	4.00E-02	95%KM (BCA)	73 of 166	2.4E+00	2.4E+00
Methylcyclohexane	3.66E-02	2.73E+00	2.23E-04	2.40E+04	1.80E-01	95% KM (Chebyshev)	57 of 83	2.4E+04	2.4E+04
Molybdenum	9.05E-01	1.04E+01	8.80E-02	2.50E+06	1.62E+00	97.5% KM (Chebyshev)	118 of 166	2.5E+06	2.5E+06
Naphthalene	**3.26E-01**	**1.92E+01**	**4.82E-03**	**1.40E+02**	**2.65E-03**	**median**	**8 of 83**	**1.4E+02**	**1.4E+02**
Nickel	1.17E+01	3.67E+01	2.70E+00	2.40E+04	1.24E+01	95% Student's-t	166 of 166	2.4E+04	2.4E+04
n-Propylbenzene	2.37E-02	1.80E+00	2.30E-04	3.30E+03	1.63E-01	97.5% KM (Chebyshev)	14 of 83	3.3E+03	3.3E+03
o-Xylene	1.30E-02	8.40E-01	2.23E-04	5.80E+03	7.75E-02	97.5% KM (Chebyshev)	32 of 83	5.8E+03	5.8E+03
Phenanthrene	4.02E-01	1.26E+01	1.36E-02	---	9.99E-01	97.5% KM (Chebyshev)	95 of 166	0.0E+00	0.0E+00
Pyrene	4.32E-01	8.47E+00	1.21E-02	---	9.71E-01	97.5% KM (Chebyshev)	98 of 166	0.0E+00	0.0E+00
Strontium	7.56E+01	5.91E+02	1.65E+01	---	1.01E+02	95% Chebyshev	166 of 166	0.0E+00	0.0E+00
Tin	8.11E-01	6.48E+00	5.20E-01	1.00E+07	1.20E+00	97.5% KM (Chebyshev)	40 of 166	1.0E+07	1.0E+07
Titanium	2.58E+01	6.45E+02	4.02E+00	---	3.22E+01	95% Student's-t	166 of 166	0.0E+00	0.0E+00
Toluene	3.99E-03	1.92E-02	7.21E-04	3.20E+04	6.04E-03	97.5% KM (Chebyshev)	69 of 83	3.2E+04	3.2E+04
Vanadium	1.44E+01	4.56E+01	4.73E+00	2.50E+04	1.73E+01	97.5% Chebyshev	166 of 166	2.5E+04	2.5E+04
Xylene (total)	4.73E-02	3.40E+00	7.77E-04	4.80E+03	3.04E-01	97.5% KM (Chebyshev)	53 of 83	4.8E+03	4.8E+03
Zinc	4.34E+02	7.65E+03	6.17E+00	---	8.15E+02	97.5% Chebyshev	166 of 166	0.0E+00	0.0E+00

Notes:
* Soil was collected from 0 to 4 ft. below ground surface.
+ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent.
(1) - $^{Air}Soil_{Inh-VP}$ PCL = TCEQ protective concentration Level for 30 acre source area Residential soil-to-air pathway (inhalation of volatiles and particulates).
(2) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

TABLE 17
QUALITATIVE CURRENT OFF-SITE RESIDENTIAL RECEPTOR EVALUATION
NORTH AREA SOIL*

Chemical of Interest++	Average	Max Detection	Min Detection	$^{Air}Soil_{Inh-VP}$ (1)	95% UCL	Statistic Used (2)	# of Detects/# of Samples
1,1-Dichloroethane	2.67E-02	5.18E-01	1.61E-03	3.20E+03	1.75E-04	median	3 of 19
1,1-Dichloroethene	1.73E-02	3.13E-01	1.78E-03	2.70E+03	3.95E-04	median	2 of 19
1,2-Dichloroethane	1.95E-02	1.77E-01	2.31E-03	7.10E+00	1.27E-04	median	4 of 19
2-Butanone	1.32E-02	2.08E-01	1.70E-03	5.90E+04	7.87E-02	97.5% KM (Chebyshev)	11 of 19
2-Methylnaphthalene	4.05E-02	5.30E-02	1.00E-02	---	1.19E-02	median	4 of 38
4,4'-DDE	2.50E-03	1.49E-02	2.16E-03	---	4.28E-04	median	2 of 38
4,4'-DDT	1.16E-02	1.08E-02	5.97E-04	6.20E+02	7.94E-02	97.5% KM (Chebyshev)	7 of 38
Acenaphthene	1.99E-02	1.57E-01	2.10E-02	---	1.11E-02	median	4 of 38
Aluminum	1.23E+04	1.83E+04	1.81E+03	2.60E+06	1.33E+04	95% Student's-t	38 of 38
Anthracene	2.90E-02	2.64E-01	8.87E-03	---	8.96E-02	97.5% KM (Chebyshev)	6 of 38
Antimony	1.45E+00	8.09E+00	1.66E+00	2.50E+05	2.45E+00	95% KM (Bootstrap)	16 of 38
Aroclor-1254	1.81E-01	9.38E-02	1.22E-02	2.80E+00	4.30E-03	median	2 of 38
Arsenic	2.44E+00	5.69E+00	5.40E-01	2.70E+03	3.82E+00	97.5% KM (Chebyshev)	32 of 38
Barium	1.41E+02	3.62E+02	4.61E+01	2.50E+05	2.34E+02	97.5% Chebyshev	38 of 38
Benzene	2.92E-03	6.32E-03	1.38E-03	8.40E+01	5.39E-03	97.5% KM (Chebyshev)	12 of 18
Benzo(a)anthracene	1.09E-01	1.18E+00	3.83E-02	1.90E+03	1.11E-02	median	4 of 38
Benzo(a)pyrene	9.37E-02	1.42E+00	1.35E-02	4.40E+02	3.78E-01	97.5% KM (Chebyshev)	10 of 38
Benzo(b)fluoranthene	1.44E-01	1.62E+00	4.87E-02	3.20E+03	2.52E-01	95% KM (Bootstrap)	11 of 38
Benzo(g,h,i)perylene	1.03E-01	1.28E+00	2.37E-02	---	3.42E-01	97.5% KM (Chebyshev)	14 of 38
Benzo(k)fluoranthene	1.07E-01	7.99E-01	6.80E-02	7.80E+04	1.72E-02	median	6 of 38
Beryllium	7.15E-01	2.88E+00	6.60E-02	4.80E+03	1.18E+00	97.5% KM (Chebyshev)	35 of 38
Bis(2-ethylhexyl)phthalate	4.12E-02	2.39E-01	1.22E-02	---	9.96E-02	97.5% KM (Chebyshev)	11 of 38
Boron	7.64E+00	3.92E+01	3.14E+00	1.00E+07	1.71E+01	97.5% KM (Chebyshev)	26 of 38
Bromoform	1.14E-02	1.80E-02	1.10E-02	4.30E+02	1.86E-04	median	2 of 19
Butyl Benzyl Phthalate	5.66E-02	1.51E-01	5.40E-02	1.30E+04	1.36E-02	median	2 of 38
Cadmium	3.63E-01	8.00E-01	2.80E-01	6.50E+03	5.19E-01	97.5% KM (Chebyshev)	15 of 38
Carbazole	1.74E-02	1.28E-01	1.08E-02	---	1.10E-02	median	7 of 38
Carbon Disulfide	8.64E-03	2.84E-02	7.57E-03	5.50E+03	1.19E-04	median	3 of 19
Chromium	1.83E+01	1.28E+02	7.76E+00	5.00E+04	3.21E+01	95% Chebyshev	38 of 38
Chrysene	1.03E-01	1.30E+00	1.04E-02	3.00E+05	3.84E-01	97.5% KM (Chebyshev)	11 of 38
cis-1,2-Dichloroethene	6.61E-02	9.99E-01	1.95E-02	6.30E+03	1.38E-04	median	2 of 19
Cobalt	6.52E+00	1.03E+01	2.81E+00	1.30E+03	7.04E+00	95% Student's-t	38 of 38
Copper	6.56E+01	2.00E+02	4.59E+00	5.00E+05	5.12E+02	99% Chebyshev	38 of 38
Cyclohexane	1.13E-03	1.85E-03	9.81E-04	4.70E+04	1.25E-03	median	5 of 19
Dibenz(a,h)anthracene	6.88E-02	4.04E-01	4.50E-02	1.00E+03	1.08E-02	median	7 of 38
Dibenzofuran	1.96E-02	8.62E-02	1.50E-02	---	1.50E-02	median	2 of 38
Diethyl Phthalate	1.01E-02	1.10E-02	9.92E-03	---	1.85E-02	median	2 of 38
Di-n-butyl Phthalate	1.05E-02	1.50E-02	1.00E-02	1.50E+04	3.07E-02	median	2 of 38
Di-n-octyl Phthalate	1.90E-02	1.23E-01	1.54E-02	---	9.52E-03	median	3 of 38
Ethylbenzene	2.69E-03	5.02E-03	1.14E-03	7.90E+03	1.14E-03	median	5 of 19
Fluoranthene	1.44E-01	2.19E+00	2.14E-02	---	6.24E-01	97.5% KM (Chebyshev)	9 of 38
Fluorene	5.27E-02	1.41E-01	1.70E-02	---	3.92E-04	median	4 of 38
Indeno(1,2,3-cd)pyrene	1.15E-01	1.51E+00	2.00E-02	1.30E+04	3.96E-01	97.5% KM (Chebyshev)	13 of 38
Iron	2.09E+04	1.02E+05	7.12E+03	---	3.69E+04	95% Chebyshev	38 of 38
Lead	5.30E+01	5.83E+00	6.30E+02	---	2.48E+02	99% Chebyshev	34 of 38
Lithium	1.92E+01	3.22E+01	2.59E+00	---	2.08E+01	95% Student's-t	36 of 38
m,p-xylene	1.32E-03	1.39E-03	1.32E-03	4.80E+03	4.22E-04	median	2 of 19

Manganese	3.87E+02	1.21E+03	8.23E+01	2.50E+04	6.39E+02	97.5% Chebyshev	38 of 38
Mercury	1.43E-02	1.70E-01	3.40E-03	2.40E+00	4.38E-02	97.5% KM (Chebyshev)	15 of 38
Methylcyclohexane	1.76E-03	2.78E-03	1.50E-03	2.40E+04	1.54E-03	median	6 of 19
Molybdenum	1.40E-01	1.07E+01	8.50E-02	2.50E+06	2.49E+00	97.5% KM (Chebyshev)	21 of 38
Naphthalene	3.24E+00	1.48E-01	1.30E-03	1.40E+02	3.70E-03	median	6 of 19
Nickel	1.80E+01	5.17E+01	9.74E+00	2.40E+04	2.01E+01	95% Student's-t	38 of 38
Phenanthrene	1.50E-01	1.83E+00	1.80E-02	---	5.70E-01	97.5% KM (Chebyshev)	12 of 38
Pyrene	2.62E-01	4.64E+00	1.49E-02	---	1.12E+00	97.5% KM (Chebyshev)	14 of 38
Silver	1.05E-01	4.10E-01	9.20E-02	5.00E+03	5.90E-02	median	3 of 38
Strontium	5.64E+01	9.62E+01	2.21E+01	---	6.20E+01	95% Student's-t	38 of 38
Tetrachloroethene	1.26E-02	2.23E-01	1.35E-03	4.80E+02	2.11E-04	median	3 of 19
Tin	5.34E+00	3.67E+00	6.80E-01	1.00E+07	5.70E-01	median	5 of 38
Titanium	2.33E+01	5.70E+01	3.41E+00	---	4.03E+01	97.5% Chebyshev	38 of 38
Toluene	3.24E-03	1.22E-02	1.34E-03	3.20E+04	8.15E-03	97.5% KM (Chebyshev)	8 of 19
Vanadium	2.10E+01	4.58E+01	7.85E+00	2.50E+04	2.33E+01	95% Student's-t	38 of 38
Xylene (total)	1.78E-01	1.76E+00	1.39E-03	4.80E+03	8.58E-01	97.5% KM (Chebyshev)	8 of 19
Zinc	2.83E+02	5.64E+03	2.11E+01	---	1.78E+03	99% Chebyshev	38 of 38

Notes:

+ Soil was collected from 0 to 4 ft. below ground surface.

++ Chemicals of interest are any chemical measured in at least one sample at a frequency of detection greater than five percent. Bolded compounds have a maximum concentration that exceeded the screening value.

(1) - $^{Air}Soil_{Inh-VP}$ PCL = TCEQ protective concentration Level for 30 acre source area Residential soil-to-air pathway (inhalation of volatiles and particulates).

(2) - Recommended exposure point concentration to be used based on data distribution per Pro UCL (see Appendix A).

TABLE 18
BACKGROUND COMPARISONS

HYPOTHESIS TESTED: ARE SITE DATA STATISTICALLY DIFFERENT THAN BACKGROUND DATA?[1]

CHEMICAL OF INTEREST	SOUTH AREA SURFACE SOIL	SOUTH AREA SOIL	NORTH AREA SURFACE SOIL	NORTH AREA SOIL	INTRACOASTAL WATERWAY SEDIMENT	WETLANDS SEDIMENT	POND SEDIMENT
Aluminum	NA	NA	NA	NA	Yes*	NA	NA
Antimony	No	No	No	No	Yes*	No	No
Arsenic	No	No	No	No	Yes*	No	Yes*
Barium	No	No	Yes*	Yes*	No	Yes*	No
Beryllium	NA	NA	NA	NA	Yes*	NA	NA
Boron	NA	NA	NA	NA	Yes*	NA	NA
Cadmium	No	No	**Yes**	Yes*	NA	**Yes**	**Yes**
Chromium	No	No	No	No	NA	No	No
Cobalt	NA	NA	NA	NA	Yes*	NA	NA
Copper	**Yes**	No	No	No	No	No	No
Iron	NA	NA	NA	NA	No	NA	No
Lead	**Yes**	No	No	No	No	No	**Yes**
Lithium	Yes*	Yes*	Yes*	No	Yes*	No	No
Manganese	Yes*	Yes*	No	No	No	No	**Yes**
Mercury	No	No	Yes*	Yes*	No	No	NA
Molybdenum	**Yes**	No	No	No	No	No	Yes*
Nickel	NA	NA	NA	NA	No	NA	NA
Strontium	NA	NA	NA	NA	Yes*	NA	NA
Titanium	NA	NA	NA	NA	Yes*	NA	NA
Vanadium	NA	NA	NA	NA	Yes*	NA	NA
Zinc	**Yes**	No	No	No	No	No	No

Notes:
[1] Detailed statistical procedures are outlined in Section 2.2.2 and calculations are provided in Appendix B.
* Statistical difference is due to background being greater than site.
NA - No analysis was performed for compound in background.

TABLE 19
PCOCS IDENTIFIED AND QUANTITATIVELY EVALUATED IN THE BHHRA*

SOUTH AREA SOIL**	NORTH AREA SOIL**	INTRACOASTAL WATERWAY SURFACE WATER	INTRACOASTAL WATERWAY SEDIMENT	WETLANDS SURFACE WATER	WETLANDS SEDIMENT	POND SURFACE WATER	POND SEDIMENT
4,4'-DDD Aluminum Aroclor-1254 Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Dibenz(a,h)anthracene Dieldrin Indeno(1,2,3-cd)pyrene Iron Isopropylbenzene (cumene) Lead Naphthalene	1,2-Dichloroethane Aluminium Aroclor-1254 Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene Iron Tetrachloroethene	none+	Benzo(a)pyrene Dibenz(a,h)anthracene Iron	none+	Aluminum Benzo(a)pyrene Dibenz(a,h)anthracene Indeno(1,2,3-cd)pyrene Iron	none+	Aluminum Iron m,p-Cresol

Notes:
* Groundwater was not included in the table because all compounds measured in groundwater were evaluated quantitatively in the BHHRA.
** Soil includes both surface and subsurface soil for the purposes of this table.
+ All COIs for surface water screened out, as discussed in Section 2.2.1.

TABLE 20
EVALUATION OF EXPOSURE PATHWAYS

PATHWAY NAME	POTENTIAL CONTAMINANTS OF CONCERN	SOURCE	POTENTIAL EXPOSURE MEDIA	POTENTIAL POINT OF EXPOSURE	POTENTIALLY EXPOSED POPULATION*	POTENTIAL ROUTE OF EXPOSURE	COMMENTS
South Area Soil	4,4'-DDD, Aluminum, Aroclor-1254, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene, Dieldrin, Indeno(1,2,3-cd)pyrene, Iron, Isopropylbenzene (cumene), Lead, Naphthalene	Site Operations	Soil	On-site	Industrial Worker, Construction Worker, Youth Trespasser	Incidental ingestion and dermal contact	Pathways quantitatively evaluated in BHHRA.
			Air	On-site	Industrial Worker, Construction Worker, Youth Trespasser	Inhalation of VOCs and particulates	Pathways quantitatively evaluated in BHHRA.
			Air	Off-site	Off-Site Resident	Inhalation of VOCs and particulates	Pathway screened out as described in Section 2.2.
South Area Groundwater	VOCs	Site Operations	Soil Gas to Indoor Air	On-site	Industrial Worker (future only)	Inhalation of vapors intruding from groundwater	Pathway quantitatively evaluated in BHHRA.
North Area Soil	1,2-Dichloroethane, Aluminum, Aroclor-1254, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Iron, Tetrachloroethene	Site Operations	Soil	On-site	Industrial Worker, Construction Worker, Youth Trespasser	Incidental ingestion and dermal contact	Pathways quantitatively evaluated in BHHRA.
			Air	On-site and Off-site	Industrial Worker, Construction Worker, Youth Trespasser	Inhalation of VOCs and particulates	Pathways quantitatively evaluated in BHHRA.
			Air	Off-site	Off-Site Resident	Inhalation of VOCs and particulates	Pathway screened out as described in Section 2.2.
North Area Groundwater	VOCs	Surface Impoundment	Soil Gas to Indoor Air	On-site	Industrial Worker (future only)	Inhalation of vapors intruding from groundwater	Pathway quantitatively evaluated in BHHRA.
Intracoastal Waterway Sediment	Benzo(a)pyrene, Dibenz(a,h)anthracene, Iron	Runoff from Site	Sediment	Off-site	Contact Recreation	Incidental ingestion and dermal contact	Pathways quantitatively evaluated in BHHRA.
			Fish Uptake	Off-site	Recreational Fisherman	Fish ingestion	Quantitatively evaluated in fish tissue risk assessment.
Intracoastal Waterway Surface Water	COIs screened out as described in Section 2.2.	Runoff from Site	Surface Water	Off-site	Contact Recreation	Incidental ingestion and dermal contact	Pathway screened out as described in Section 2.2.
			Fish Uptake	Off-site	Recreational Fisherman	Fish ingestion	Quantitatively evaluated in fish tissue risk assessment.
North Wetlands Sediment	Aluminum, Benzo(a)pyrene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Iron	Runoff from Site	Sediment	On-site and Off-site	Contact Recreation	Incidental ingestion and dermal contact	Pathways quantitatively evaluated in BHHRA.
North Wetlands Surface Water	COIs screened out as described in Section 2.2.	Runoff from Site	Surface Water	On-site and Off-site	Contact Recreation	Incidental ingestion and dermal contact	Pathway screened out as described in Section 2.2.
Pond Sediment	Aluminum, Iron, m,p-Cresol	Runoff from Site	Sediment	On-site	Contact Recreation	Incidental ingestion and dermal contact	Pathways quantitatively evaluated in BHHRA.
Pond Surface Water	COIs screened out as described in Section 2.2.	Runoff from Site	Surface Water	On-site	Contact Recreation	Incidental ingestion and dermal contact	Pathway screened out as described in Section 2.2.

Notes:
Unless otherwise noted, the timeframe considered was current and future exposure.

TABLE 21
EXPOSURE SCENARIOS BY MEDIA

MEDIA	Future On-Site Industrial Worker Receptor	Future On-Site Construction Worker Receptor	Potential Current Youth Trespasser	Potential Current Contact Recreation	Potential Current Off-Site Residential Receptor
South Area Surface Soil	X [1]	X [1]	X [1]		X [2]
South Area Soil	X [1]	X [1]	X [1]		X [3]
South Area Groundwater	X [6]				
Intracoastal Waterway Surface Water				X [4]	
Intracoastal Waterway Sediment				X [5]	
Intracoastal Waterway Fish					X*
North Area Surface Soil	X [1]	X [1]	X [1]		
North Area Soil	X [1]	X [1]	X [1]		
North Area Groundwater	X [7]				
North Area Wetlands Surface Water		X+	X [12]	X [8]	
North Area Wetlands Sediment		X+	X [12]	X [9]	
North Area Ponds Surface Water		X+	X [12]	X [10]	
North Area Ponds Sediment		X+	X [12]	X [11]	

Notes:
* EPA-approved fish ingestion pathway risk assessment (PBW, 2007) concluded that this pathway does not pose a human health threat.
+ Exposure for this receptor was not quantified since exposure would be approximately four times less than the acceptable risk calculated for the contact recreation receptor.
due to the less exposure incurred for the worker given the differences in exposure frequency and duration.
[1] Risks presented in Table 23.
[2] Risks presented in Table 24.
[3] Risks presented in Table 25.
[4] Screening evaluation presented in Table 4.
[5] Screening evaluation presented in Table 6.
[6] Risks presented in Table 26.
[7] Risks presented in Table 27.
[8] Screening evaluation presented in Table 11.
[9] Screening evaluation presented in Table 13.
[10] Screening evaluation presented in Table 12.
[11] Screening evaluation presented in Table 14.
[12] Trespasser risks were assumed to be equivalent to the contact recreation receptor.

TABLE 22
EXPOSURE ASSUMPTIONS FOR THE INDUSTRIAL WORKER SCENARIO

PARAMETER	DEFINITION	AVERAGE VALUE	REFERENCE	RME VALUE	REFERENCE
PEF	Particulate Emission Factor (m^3/kg)	1.00E+09	EPA, 2004a	1.00E+09	EPA, 2004a
IR	Ingestion rate of soil (mg/day)	50	EPA, 2004a	50	EPA, 2004a
SA	Skin surface area (cm2)	3300	EPA, 2004a	3300	EPA, 2004a
AF	Soil to skin adherence factor (mg/cm2)	0.021	EPA, 2001a	0.2	EPA, 2004a
EF	Exposure frequency (day/yr)	250	EPA, 2004a	250	EPA, 2004a
ED	Exposure duration (yr)	25	EPA, 2004a	25	EPA, 2004a
BW	Body weight (kg)	70	EPA, 1989	70	EPA, 1989
ATc	Averaging time for carcinogens (days)	25550	EPA, 1989	25550	EPA, 1989
ATnc	Averaging time for noncarcinogens (days)	9125	EPA, 1989	9125	EPA, 1989

TABLE 23
EXPOSURE ASSUMPTIONS FOR THE CONSTRUCTION WORKER SCENARIO

PARAMETER	DEFINITION	AVERAGE VALUE	REFERENCE	RME VALUE	REFERENCE
PEF	Particulate Emission Factor (m^3/kg)	1.00E+09	EPA, 2004a	1.00E+09	EPA, 2004a
IR	Ingestion rate of soil (mg/day)	165	professional judgment	330	EPA, 2001
SA	Skin surface area (cm2)	3300	EPA, 2004a	3300	EPA, 2004a
AF	Soil to skin adherence factor (mg/cm2)	0.14	EPA, 2004b	0.3	EPA, 2004b
EF	Exposure frequency (day/yr)	90	professional judgment	250	professional judgment
ED	Exposure duration (yr)	1	professional judgment	1	professional judgment
BW	Body weight (kg)	70	EPA, 1989	70	EPA, 1989
ATc	Averaging time for carcinogens (days)	25550	EPA, 1989	25550	EPA, 1989
ATnc	Averaging time for noncarcinogens (days)	365	EPA, 1989	365	EPA, 1989

TABLE 24
EXPOSURE ASSUMPTIONS FOR THE YOUTH TRESPASSER SCENARIO

PARAMETER	DEFINITION	AVERAGE VALUE	REFERENCE	RME VALUE	REFERENCE
PEF	Particulate Emission Factor (m^3/kg)	1.00E+09	EPA, 2004a	1.00E+09	EPA, 2004a
IR	Ingestion rate of soil (mg/day)	100	TNRCC, 1998	100	TNRCC, 1998
SA	Skin surface area (cm2)	3500	TNRCC, 1998	3500	TNRCC, 1998
AF	Soil to skin adherence factor (mg/cm2)	0.1	TNRCC, 1998	0.1	TNRCC, 1998
EF	Exposure frequency (day/yr)	25	professional judgment	50	TNRCC, 1998
ED	Exposure duration (yr)	6	professional judgment	12	TNRCC, 1998
BW	Body weight (kg)	40	EPA, 1991a	40	EPA, 1991a
ATc	Averaging time for carcinogens (days)	25550	EPA, 1989	25550	EPA, 1989
ATnc	Averaging time for noncarcinogens (days)	9125	EPA, 1989	9125	EPA, 1989

TABLE 25
EXPOSURE ASSUMPTIONS FOR THE CONTACT RECREATION SCENARIO

PARAMETER	DEFINITION	AVERAGE VALUE	REFERENCE	RME VALUE	REFERENCE
IR	Ingestion rate of soil or sediment (mg/day)	100	TCEQ, 2002	100	TCEQ, 2002
SA	Skin surface area (cm2)	4400	TCEQ, 2002	4400	TCEQ, 2002
AF	Sediment to skin adherence factor (mg/cm2)	0.3	TCEQ, 2002	0.3	TCEQ, 2002
EF	Exposure frequency (day/yr)	19	professional judgment	39	TCEQ, 2002
ED	Exposure duration (yr)	13	professional judgment	25	EPA, 1989
BW	Body weight (kg)	70	EPA, 1989	70	EPA, 1989
ATc	Averaging time for carcinogens (days)	25550	EPA, 1989	25550	EPA, 1989
ATnc	Averaging time for noncarcinogens (days)	9125	EPA, 1989	9125	EPA, 1989

TABLE 26
JOHNSON AND ETTINGER VAPOR INTRUSTION MODEL OUTPUT FOR SOUTH AREA GROUNDWATER

Potential Chemical of Concern*	Average	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)	RME EPC [1]	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1,1,1-Trichloroethane	1.85E-04	NA	3.55E-06	1.40E-03	NA	2.68E-05
1,1-Dichloroethane	2.10E-03	NA	6.23E-05	1.50E-02	NA	4.45E-04
2-Butanone	4.30E-04	NA	1.38E-07	3.00E-03	NA	9.59E-07
2-Methylnaphthalene	7.76E-04	NA	2.73E-05	8.80E-03	NA	3.09E-04
4,4'-DDE	3.34E-06	5.18E-11	NA	1.00E-05	1.55E-10	NA
Acetophenone	3.72E-03	NA	5.91E-06	4.60E-02	NA	7.31E-05
Acrylonitrile	1.00E-03			6.50E-03		
Aluminum	7.13E-01			7.52E+00		
Antimony	1.02E-02			4.30E-02		
Arsenic	1.61E-02			5.70E-02		
Barium	9.88E-02			2.20E-01		
Benzene	4.25E-04	2.38E-08	2.38E-04	4.20E-03	2.36E-07	2.35E-03
Benzo(a)pyrene	1.06E-04			6.00E-04		
Benzo(b)fluoranthene	3.26E-04	2.95E-08	NA	2.80E-03	1.36E-07	NA
Benzo(g,h,i)perylene	2.11E-04			1.60E-03		
Benzoic Acid	8.40E-04			1.20E-03		
Bis(2-ethylhexyl)Phthalate	1.46E-03			6.00E-04		
Boron	2.67E+00			4.04E+00		
Carbazole	7.00E-04			8.40E-03		
Carbon Disulfide	6.50E-05	NA	8.94E-06	3.00E-04	NA	4.13E-05
Chromium	5.53E-02			1.50E-01		
Chrysene	1.93E-04	1.83E-10	NA	6.00E-04	5.69E-10	NA
cis-1,2-Dichloroethene	3.27E-03	NA	1.07E-03	3.00E-02	NA	9.86E-03
Cobalt	3.06E-03			8.90E-03		
Cyclohexane	6.09E-04			6.80E-03		
Dibenz(a,h)anthracene	2.90E-04			2.10E-03		
Di-n-octyl Phthalate	2.08E-04			7.00E-04		
Endosulfan II	5.61E-06			3.10E-05		
Endosulfan Sulfate	8.57E-06			1.00E-04		
Endrin Ketone	3.74E-06			2.30E-05		
Fluorene	1.84E-04	NA	1.56E-06	1.00E-03	NA	8.48E-06
gamma-BHC (Lindane)	7.66E-06	3.61E-10	2.16E-06	4.20E-05	1.98E-09	1.18E-05

Heptachlor Epoxide	5.07E-06			2.01E-05		
Indeno(1,2,3-cd)pyrene	2.92E-04			2.40E-03		
Iron	6.39E+00			2.52E+01		
Isopropylbenzene (Cumene)	1.78E-04	NA	1.34E-05	1.60E-03	NA	1.21E-04
Lithium	3.61E-01			6.60E-01		
m,p-Cresol	1.10E-03			8.20E-03		
Manganese	4.15E+00			1.28E+01		
Molybdenum	2.30E-03			2.00E-03		
MTBE	3.90E-03			3.20E-02		
Nickel	7.40E-03			2.20E-02		
o-Cresol	4.47E-04			4.40E-03		
Phenanthrene	2.12E-04			1.60E-03		
Selenium	9.08E-03			3.80E-02		
Silver	7.38E-03			9.46E+00		
Strontium	9.03E+00			1.71E+01		
Thallium	2.00E-03			7.30E-03		
Titanium	5.30E-03			3.10E-02		
Vanadium	8.56E-03			2.30E-02		
Vinyl Chloride	1.85E-04	6.15E-08	1.63E-04	1.90E-03	6.31E-07	1.67E-03
	TOTAL	**1.15E-07**	**1.60E-03**	**TOTAL**	**1.01E-06**	**1.49E-02**

Notes:

* Only volatile compounds were assesses for this pathway.

(1) RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 27
JOHNSON AND ETTINGER VAPOR INTRUSTION MODEL OUTPUT FOR
NORTH AREA GROUNDWATER

Potential Chemical of Concern*+	Average	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)	RME EPC [1]	Incremental risk from vapor intrusion to indoor air, carcinogen (unitless)	Hazard quotient from vapor intrusion to indoor air, noncarcinogen (unitless)
1,1,1-Trichloroethane	**1.48E+01**	**NA**	**2.84E-01**	**1.56E+02**	**NA**	**2.99E+00**
1,1-Dichloroethane	2.80E+00	NA	8.31E-02	3.15E+01	NA	9.34E-01
1,1-Dichloroethene	**3.46E+00**	**NA**	**1.26E+00**	**2.92E+01**	**NA**	**1.06E+01**
1,2,3-Trichloropropane	**6.17E+00**	**3.83E-03**	**3.19E+00**	**4.43E+01**	**2.75E-02**	**2.29E+01**
1,2,4-Trimethylbenzene	3.80E-02	NA	8.29E-02	4.20E-02	NA	9.16E-02
1,2-Dichloroethane	**2.42E+01**	**1.39E-03**	**NA**	**3.28E+02**	**1.89E-02**	**NA**
1,2-Dichloropropane	**4.90E-01**	**3.46E-05**	**1.04E+00**	**3.45E+00**	**2.43E-04**	**7.32E+00**
2-Methylnaphthalene	2.70E-03	NA	9.49E-05	1.60E-02	NA	5.62E-04
4,4'-DDD	2.48E-06			1.90E-05		
4,4'-DDE	2.14E-05	3.32E-10	NA	2.70E-04	4.19E-09	NA
4-Chloroaniline	1.50E-03			1.30E-02		
4-Isopropyltoluene	2.30E-02			2.00E-03		
Acenaphthene	9.00E-04	NA	6.96E-06	8.60E-03	NA	6.65E-05
Acetone	2.81E-01	NA	1.33E-03	1.15E-01	NA	5.45E-04
Acetophenone	6.80E-03	NA	1.08E-05	7.40E-02	NA	1.18E-04
alpha-BHC	1.96E-05	3.66E-09	NA	2.00E-04	3.74E-08	NA
Aluminum	8.18E-02			2.60E-01		
Aniline	1.30E-03			1.10E-02		
Anthracene	4.30E-04			1.40E-03		
Antimony	1.98E-02			4.30E-02		
Arsenic	1.13E-02			2.80E-02		
Barium	1.64E-01			1.38E+00		
Benzene	**1.02E+00**	**5.72E-05**	**5.70E-01**	**8.24E+00**	**4.62E-04**	**4.61E+00**
Benzo(b)fluoranthene	3.23E-04	2.92E-08	NA	1.40E-03	1.27E-07	NA
Benzo(g,h,i)perylene	2.89E-04			1.50E-03		
Benzoic Acid	1.10E-03			1.40E-03		
beta-BHC	1.09E-05			8.30E-05		
Bis(2-ethylhexyl)Phthalate	3.70E-03			6.00E-04		
Boron	2.20E+00			3.44E+00		
Carbazole	2.20E-03			7.70E-03		
Carbon Tetrachloride	**5.60E-01**	**2.63E-04**	**NA**	**7.58E+00**	**3.56E-03**	**NA**
Chromium	9.10E-02			1.60E-01		
cis-1,2-Dichloroethene	**8.96E+00**	**NA**	**2.94E+00**	**1.24E+02**	**NA**	**4.08E+01**
Cobalt	2.60E-03			1.60E-02		
delta-BHC	5.97E-06			4.10E-05		
Dibenz(a,h)anthracene	4.87E-04			2.90E-03		
Dibenzofuran	6.01E-04	NA	1.51E-05	4.90E-03	NA	1.23E-04

Dieldrin	5.01E-06	2.52E-09	7.30E-06	2.64E-05	1.33E-08	3.85E-05
Endosulfan II	1.29E-05			1.20E-04		
Endosulfan Sulfate	2.46E-06			1.56E-05		
Endrin Aldehyde	1.31E-05			1.30E-04		
Ethylbenzene	9.69E-02	NA	1.89E-03	7.40E-01	NA	1.44E-02
Fluorene	8.51E-04	NA	7.22E-06	6.10E-03	NA	5.18E-05
gamma-BHC (Lindane)	1.25E-04	5.89E-09	3.53E-05	1.50E-03	7.06E-08	4.23E-04
Heptachlor Epoxide	5.44E-06			2.50E-05		
Indeno(1,2,3-cd)pyrene	4.73E-04			3.30E-03		
Iron	1.31E+01			3.66E+01		
Isopropylbenzene (Cumene)	2.80E-02			3.80E-02		
Lithium	3.19E-01			6.70E-01		
m,p-Cresol	2.78E-03			1.20E-02		
m,p-Xylene	6.85E-02	NA	1.34E-02	1.68E-01	NA	3.28E-02
Manganese	7.74E+00			2.69E+01		
Methylene Chloride	**9.57E+01**	**1.77E-04**	**2.91E-01**	**1.23E+03**	**2.27E-03**	**3.74E+00**
Molybdenum	7.20E-03			5.50E-02		
Naphthalene	7.83E-02	NA	6.40E-02	3.22E-01	NA	2.63E-01
Nickel	1.99E-02			1.40E-01		
n-Propylbenzene	3.60E-02			3.10E-02		
o-Cresol	1.40E-03			8.10E-03		
o-Xylene	4.62E-02	NA	7.26E-03	4.40E-02	NA	6.92E-03
Phenanthrene	8.31E-04			6.40E-03		
Pyrene	2.23E-04	NA	7.70E-07	5.00E-04	NA	1.73E-06
Silver	9.14E-03			1.70E-02		
Strontium	1.10E+01			1.88E+01		
Styrene	2.60E-02	NA	1.98E-04	2.50E-03	NA	1.91E-05
Tetrachloroethene	**1.95E+00**	**2.05E-04**	**1.35E-01**	**2.05E+01**	**2.15E-03**	**1.42E+00**
Thallium	4.60E-03			3.00E-02		
Titanium	1.20E-03			3.30E-03		
Toluene	3.35E-01	NA	1.61E-02	4.05E+00	NA	1.94E-01
Trichloroethene	**1.15E+01**	**1.43E-02**	**7.59E+00**	**8.40E+01**	**1.05E-01**	**5.54E+01**
Vanadium	8.40E-03			2.40E-02		
Vinyl Chloride	**5.02E-01**	**1.67E-04**	**4.42E-01**	**5.09E+00**	**1.69E-03**	**4.49E+00**
Xylene (total)	1.15E-01			2.12E-01		
	TOTAL	**2.04E-02**	**1.80E+01**	**TOTAL**	**1.61E-01**	**1.56E+02**

Notes:

* Only volatile compounds were assesses for this pathway.

+ Compounds with a cancer risk greater than 1 x 10^{-5} or a hazard index greater than 1 have been bolded.

(1) RME EPC is the reasonable maximim exposure exposure point concentration.

TABLE 28
SUMMARY OF HAZARD INDICES AND CANCER RISK ESTIMATES FOR SOIL AND SEDIMENT EXPOSURE

SOUTH AREA

HYPOTHETICAL ON-SITE RECEPTORS	CARCINOGENIC RISK	NONCARCINOGENIC HAZARD INDEX
Average Youth Trespasser (soil)	9.85E-08	1.79E-03
RME Youth Trespasser (soil)	1.09E-06	1.46E-02
Average Construction Worker (soil)	5.22E-08	2.46E-02
RME Construction Worker (soil)	8.19E-07	2.77E-01
Average Industrial Worker (soil)	9.50E-07	2.01E-02
RME Industrial Worker (soil)	6.08E-06	7.04E-02
Average Industrial Worker (vapor intrusion)	1.15E-07	1.60E-03
RME Industrial Worker (vapor intrusion)	1.01E-06	1.49E-02
TOTAL Average Industrial Worker (soil + vapor intrusion)	1.06E-06	2.17E-02
TOTAL RME Industrial Worker (soil + vapor intrusion)	7.09E-06	8.53E-02
Average Contact Recreation (Intracoastal Waterway Sediment)	4.54E-08	8.35E-04
RME Contact Recreation (Intracoastal Waterway Sediment)	3.40E-08	5.43E-03

NORTH AREA

HYPOTHETICAL ON-SITE RECEPTORS	CARCINOGENIC RISK	NONCARCINOGENIC HAZARD INDEX
Average Youth Trespasser (soil)	2.57E-08	6.21E-03
RME Youth Trespasser (soil)	5.71E-07	2.80E-02
Average Construction Worker (soil)	1.37E-08	8.72E-02
RME Construction Worker (soil)	4.27E-07	5.45E-01
Average Industrial Worker (soil)	2.54E-07	7.34E-02
RME Industrial Worker (soil)	3.20E-06	9.28E-02
Average Industrial Worker (vapor intrusion)	2.04E-02	1.80E+01
RME Industrial Worker (vapor intrusion)	1.61E-01	1.56E+02
TOTAL Average Industrial Worker (soil + vapor intrusion)	2.04E-02	1.81E+01
TOTAL RME Industrial Worker (soil + vapor intrusion)	1.61E-01	1.56E+02
Average Contact Recreation (Wetlands Sediment)	1.09E-07	1.07E-03
RME Contact Recreation (Wetlands Sediment)	4.16E-07	4.65E-03
Average Contact Recreation (Pond Sediment)	---*	6.10E-03
RME Contact Recreation (Pond Sediment)	---*	2.85E-02

Notes:
* None of the COPCs for this media are considered carcinogenic by EPA.