					EPA Removal Management Levels		TCEQ Standards	EPA Regional Screening Levels												
Analyte	CAS.NO	Units	Site Specific Value	Texas Background	June 2014 Res Soil Carcinogenic SL TR=1.0E-4 RML	June 2014 Res Soil Noncarcinogenic SL Child HI=3 RML	TRRP Residential Soil 0.5 acre TotSoilComb	Carcinogenic SL TR=1.0E-6 (mg/kg)	Noncarcinogenic SL Child HI=1 (mg/kg)	Noncarcinogenic SL Child HI=0.1 (mg/kg)	Sample ID	CES-CS-01-51	CES-CS-02-51	CES-CS-03-51	CES-CS-04-51	CES-CS-05-51	CES-CS-06-51	CES-CS-07-51	CES-CS-08-51	CES-CS-09-51
											Date	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014
											Type	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Metals																				
Aluminum	7429-90-5	mg/kg	64500	30000		230000	64500		77000	7700	--	**18800**	**11000**	**14100**	**14400**	**12800**	**18500**	**24900**	**26600**	**24500**
Antimony	7440-36-0	mg/kg	15	1		94	15		31	3.1	--	**1.4 J**	0.55 U	**0.33 J**	**0.32 J**	**0.36**	**0.46**	**0.24 J**	**0.13 J**	**0.26 J**
Arsenic	7440-38-2	mg/kg	24.2	5.9	67	100	24.2	0.67	34	3.4	--	**6.8**	**8.4**	**2.1**	**2.5**	**2.8**	**2.9**	**3.4**	**4**	**3.7**
Barium	7440-39-3	mg/kg	8100	300		46000	8100		15000	1500	--	**432**	**60.2**	**100**	**98.1**	**112**	**152**	**144**	**129**	**147**
Beryllium	7440-41-7	mg/kg	37.6	1.5	160000	470	37.6	1600	160	16	--	**2.7**	**0.55**	**0.55**	**0.86**	**1.1**	**1.5**	**1.1**	**1.2**	**1.5**
Cadmium	7440-43-9	mg/kg	52.4		210000	210	52.4	2100	70	7	--	**0.85 J**	**0.22 J**	**0.44**	**0.61**	**0.54**	**0.74**	**0.55**	**0.26 J**	**0.39**
Calcium	7440-70-2	mg/kg									--	**121000**	**101000**	**19000**	**14700**	**20200**	**24400**	**25200**	**11100**	**22000**
Chromium	7440-47-3	mg/kg	32600	30			32600				--	**34.2**	**11.1**	**15**	**18**	**16.5**	**23**	**25.3**	**25.2**	**25.8**
Cobalt	7440-48-4	mg/kg	20.7	7	42000	70	20.7	420	23	2.3	--	**6.1**	**4.1**	**3.8**	**4.8**	**4.2**	**4.8**	**5**	**6.7**	**5.7**
Copper	7440-50-8	mg/kg	548	15		9400	548		3100	310	--	**48.4**	**10.2**	**16.2**	**17.5**	**20.9**	**22.3**	**17.3**	**14.9**	**18**
Iron	7439-89-6	mg/kg	160000	15000		160000			55000	5500	--	**12800**	**14100**	**10900**	**10100**	**9810**	**12100**	**14800**	**16400**	**14800**
Lead	7439-92-1	mg/kg	500	15			500				--	**69.9**	**31**	**48.7**	**124**	**75.7**	**90.3**	**53.1**	**57.3**	**61.3**
Magnesium	7439-95-4	mg/kg									--	**2710**	**1450**	**2000**	**1830**	**1830**	**2360**	**2730**	**2800**	**2870**
Manganese	7439-96-5	mg/kg	3650	300		5500	3650		1800	180	--	**288**	**100**	**145**	**198**	**184**	**207**	**184**	**199**	**327**
Mercury	7439-97-6	mg/kg	3.65	0.04		28	3.65		9.4	0.94	--	**1.6**	**0.035**	**0.066**	**0.11**	**0.087**	**0.11**	**0.13**	**0.051**	**0.31**
Nickel	7440-02-0	mg/kg	845	10	1500000	4600	845	15000	1500	150	--	**95.9**	**8.4**	**10.9**	**11.8**	**13.4**	**16.8**	**14.9**	**14.4**	**15.1**
Potassium	7440-09-7	mg/kg									--	**1950**	**1010**	**1790**	**1430**	**1690**	**1860**	**2100**	**2290**	**2100**
Selenium	7782-49-2	mg/kg	309	0.3		1200	309		390	39	--	**1.9 J**	**1.6**	**0.71**	**0.73**	**0.57**	**0.44**	**0.6**	**0.69**	**0.79**
Silver	7440-22-4	mg/kg	96.7			1200	96.7		390	39	--	**0.094 J**	0.042 U	0.05 U	0.05 U	**0.13 J**	0.047 U	0.049 U	0.05 U	0.057 U
Sodium	7440-23-5	mg/kg									--	**465 J**	**316**	**160 J**	**167 J**	**207 J**	**211 J**	**306 J**	**152 J**	**123 J**
Thallium	7440-28-0	mg/kg	2.3			2.3			0.78	0.078	--	0.23 U	0.71 U	0.17 U	0.17 U	0.79 U	0.8 U	0.83 U	0.85 U	0.19 U
Vanadium	7440-62-2	mg/kg	75.5	50		1200	75.5		390	39	--	**32.8**	**41.2**	**20.8**	**21.4**	**18.7**	**26.2**	**34.7**	**38.4**	**33.8**
Zinc	7440-66-6	mg/kg	9920	30		70000	9920		23000	2300	--	**354**	**64.9**	**130**	**216**	**171**	**210**	**144**	**88.2**	**143**
PCBs																				
Aroclor 1016	12674-11-2	ug/kg	12000		700000	12000		7000	4000	400	--	6.5 U	3.8 U	4.6 U	4.7 U	4.3 U	4.6 U	4.7 U	4.8 U	5.1 U
Aroclor 1221	11104-28-2	ug/kg	15000		15000			150			--	13 U	7.6 U	9.3 U	9.4 U	8.6 U	9.2 U	9.4 U	9.7 U	10 U
Aroclor 1232	11141-16-5	ug/kg	15000		15000			150			--	13 U	7.6 U	9.3 U	9.4 U	8.6 U	9.2 U	9.4 U	9.7 U	10 U
Aroclor 1242	53469-21-9	ug/kg	24000		24000			240			--	6.7 U	3.9 U	4.8 U	4.9 U	4.4 U	4.7 U	4.8 U	5 U	5.3 U
Aroclor 1248	12672-29-6	ug/kg	24000		24000			240			--	7.7 U	4.5 U	5.5 U	5.6 U	5.1 U	5.4 U	5.6 U	5.7 U	6.1 U
Aroclor 1254	11097-69-1	ug/kg	3400		24000	3400		240	1100	110	--	7.5 U	4.4 U	5.4 U	5.5 U	5 U	5.3 U	5.4 U	5.6 U	5.9 U
Aroclor 1260	11096-82-5	ug/kg	24000		24000			240			--	17 U	9.8 U	12 U	12 U	11 U	12 U	12 U	12 U	13 U
Pesticides																				
4,4'-DDD	72-54-8	ug/kg	14200		220000		14200	2200			--	23 U	6.8 U	8.2 U	3.3 U	7.6 U	8.1 U	3.3 U	3.4 U	3.6 U
4,4'-DDE	72-55-9	ug/kg	10200		160000		10200	1600			--	25 U	7.2 U	8.7 U	3.6 U	8.1 U	8.6 U	3.5 U	3.7 U	3.9 U
4,4'-DDT	50-29-3	ug/kg	5420		190000	110000	5420	1900	36000	3600	--	27 U	8 U	9.8 U	4 U	9.1 U	9.7 U	4 U	4.1 U	4.3 U
Aldrin	309-00-2	ug/kg	50		3100	5500	50	31	1800	180	--	11 U	3.3 U	4 U	1.6 U	3.7 U	4 U	1.6 U	1.7 U	1.8 U
alpha-BHC	319-84-6	ug/kg	256		8500	1500000	256	85	490000	49000	--	14 U	4.1 U	5 U	2 U	4.6 U	4.9 U	2 U	2.1 U	2.2 U
alpha-Chlordane	5103-71-9	ug/kg	12800				12800				--	7.1 U	**3.3 J**	**3.2 J**	1 U	**2.4 J**	2.5 U	1 U	1.1 U	1.1 U
beta-BHC	319-85-7	ug/kg	928		30000		928	300			--	9.7 U	2.8 U	3.5 U	1.4 U	3.2 U	3.4 U	1.4 U	1.4 U	1.5 U
delta-BHC	319-86-8	ug/kg	2930				2930				--	12 U	3.5 U	4.3 U	1.8 U	4 U	4.3 U	1.7 U	1.8 U	1.9 U
Dieldrin	60-57-1	ug/kg	146		3300	9200	146	33	3100	310	--	25 U	7.5 U	9.1 U	3.7 U	8.4 U	9 U	3.7 U	3.8 U	4 U
Endosulfan sulfate	1031-07-8	ug/kg	385000				385000				--	28 U	8.2 U	9.9 U	4 U	9.2 U	9.8 U	4 U	4.2 U	4.4 U
Endosulfan-I	959-98-8	ug/kg	90800				90800				--	14 U	4.2 U	5.1 U	2.1 U	4.7 U	5 U	2.1 U	2.1 U	2.2 U
Endosulfan-II	33213-65-9	ug/kg	272000				272000				--	26 U	7.7 U	9.4 U	3.8 U	8.7 U	9.2 U	3.8 U	3.9 U	4.1 U
Endrin	72-20-8	ug/kg	9010			55000	9010		18000	1800	--	25 U	7.2 U	8.8 U	3.6 U	8.2 U	8.7 U	3.6 U	3.7 U	3.9 U
Endrin aldehyde	7421-93-4	ug/kg	19400				19400				--	28 U	8.1 U	9.8 U	4 U	9.1 U	9.7 U	4 U	4.1 U	4.3 U
Endrin ketone	53494-70-5	ug/kg	19000				19000				--	26 U	7.5 U	9.1 U	3.7 U	8.5 U	9 U	3.7 U	3.8 U	4 U
gamma-BHC (Lindane)	58-89-9	ug/kg	1110		56000	64000	1110	560	21000	2100	--	12 U	3.5 U	4.3 U	1.7 U	4 U	4.2 U	1.7 U	1.8 U	1.9 U
gamma-Chlordane	5103-74-2	ug/kg	7390				7390				--	7.5 U	2.2 U	2.7 U	1.1 U	2.5 U	2.7 U	**1.2 J**	1.1 U	1.2 U
Heptachlor	76-44-8	ug/kg	129		12000	92000	129	120	31000	3100	--	9.6 U	2.8 U	3.4 U	1.4 U	3.2 U	3.4 U	1.4 U	1.4 U	1.5 U
Heptachlor epoxide	1024-57-3	ug/kg	239		5900	2400	239	59	800	80	--	14 U	4 U	4.9 U	2 U	4.5 U	4.8 U	2 U	2 U	2.1 U
Methoxychlor	72-43-5	ug/kg	274000			920000	274000		310000	31000	--	130 U	38 U	46 U	19 U	43 U	46 U	19 U	19 U	20 U
Toxaphene	8001-35-2	ug/kg	1240		48000		1240	480			--	160 U	48 U	58 U	24 U	54 U	57 U	23 U	24 U	26 U
SVOCs																				
1,2,4-Trichlorobenzene	120-82-1	ug/kg	123000		2400000	170000	123000	24000	58000	5800	--	120 U	68 U	84 U	85 U	77 U	81 U	83 U	87 U	92 U
1,2-Dichlorobenzene	95-50-1	ug/kg	720000			5400000	720000		1800000	180000	--	130 U	76 U	94 U	95 U	87 U	91 U	93 U	98 U	100 U
1,2-Diphenylhydrazine	122-66-7	ug/kg	5640		67000		5640	670			--	82 U	48 U	59 U	60 U	55 U	58 U	59 U	62 U	65 U
1,3-Dichlorobenzene	541-73-1	ug/kg	117000				117000				--	110 U	67 U	83 U	84 U	77 U	81 U	82 U	86 U	91 U
1,4-Dichlorobenzene	106-46-7	ug/kg	253000		260000	10000000	253000	2600	3400000	340000	--	120 U	71 U	88 U	89 U	81 U	86 U	87 U	91 U	96 U
1-Methylnaphthalene	90-12-0	ug/kg	152000		1700000	12000000	152000	17000	4100000	410000	--	120 U	72 U	88 U	89 U	82 U	86 U	87 U	92 U	97 U
2,4,5-Trichlorophenol	95-95-4	ug/kg	6660000			18000000	6660000		6200000	620000	--	100 U	59 U	73 U	74 U	68 U	71 U	72 U	76 U	80 U
2,4,6-Trichlorophenol	88-06-2	ug/kg	66600		4800000	180000	66600	48000	62000	6200	--	85 U	50 U	61 U	62 U	57 U	60 U	60 U	64 U	67 U
2,4-Dichlorophenol	120-83-2	ug/kg	200000			550000	200000		180000	18000	--	100 U	61 U	75 U	76 U	69 U	73 U	74 U	78 U	82 U
2,4-Dimethylphenol	105-67-9	ug/kg	1330000			3700000	1330000		1200000	120000	--	110 U	65 U	80 U	81 U	74 U	78 U	79 U	83 U	88 U
2,4-Dinitrophenol	51-28-5	ug/kg	133000			370000	133000		120000	12000	--	520 U	300 U	370 U	380 U	350 U	360 U	370 U	390 U	410 U
2,4-Dinitrotoluene	121-14-2	ug/kg	6910		170000	370000	6910	1700	120000	12000	--	100 U	60 U	73 U	74 U	68 U	71 U	72 U	76 U	80 U
2,6-Dinitrotoluene	606-20-2	ug/kg	6910		36000	56000	6910	360	19000	1900	--	90 U	52 U	65 U	65 U	60 U	63 U	64 U	67 U	71 U

2-Chloronaphthalene	91-58-7	ug/kg	5040000			19000000	5040000		6300000	630000	--	95 U	56 U	68 U	69 U	63 U	66 U	67 U	71 U	75 U
2-Chlorophenol	95-57-8	ug/kg	409000			1200000	409000		390000	39000	--	140 U	82 U	100 U	100 U	93 U	98 U	100 U	100 U	110 U
2-Methylnaphthalene	91-57-6	ug/kg	252000			700000	252000		230000	23000	--	120 U	72 U	88 U	89 U	82 U	86 U	87 U	92 U	97 U
2-Methylphenol	95-48-7	ug/kg	3330000			9200000	3330000		3100000	310000	--	140 U	83 U	100 U	100 U	94 U	99 U	100 U	110 U	110 U
2-Nitroaniline	88-74-4	ug/kg	14100			1800000	14100		610000	61000	--	100 U	60 U	73 U	74 U	68 U	71 U	72 U	76 U	80 U
2-Nitrophenol	88-75-5	ug/kg	133000				133000				--	110 U	65 U	79 U	80 U	74 U	77 U	78 U	82 U	87 U
3&4-Methylphenol	NA	ug/kg	47000		1600000000	47000	4300000	0.1	18000	1600	--	140 U	83 U	100 U	100 U	94 U	99 U	100 U	110 U	110 U
3,3'-Dichlorobenzidine	91-94-1	ug/kg	10400		120000		10400	1200			--	120 U	72 U	88 U	89 U	82 U	86 U	87 U	92 U	97 U
3-Nitroaniline	99-09-2	ug/kg	15000				15000				--	95 U	56 U	69 U	69 U	64 U	67 U	68 U	71 U	75 U
4,6-Dinitro-o-cresol	534-52-1	ug/kg	6660			15000	6660		4900	490	--	77 U	45 U	56 U	56 U	52 U	54 U	55 U	58 U	61 U
4-Bromophenyl phenyl ether	101-55-3	ug/kg	276				276				--	99 U	58 U	71 U	72 U	66 U	69 U	70 U	74 U	78 U
4-Chloro-3-methyl phenol	59-50-7	ug/kg	333000			18000000	333000		6200000	620000	--	110 U	65 U	80 U	81 U	74 U	78 U	79 U	83 U	88 U
4-Chloroaniline	106-47-8	ug/kg	23500		270000	740000	23500	2700	250000	25000	--	120 U	71 U	87 U	88 U	81 U	85 U	86 U	91 U	96 U
4-Chlorophenyl phenyl ether	7005-72-3	ug/kg	163				163				--	120 U	73 U	90 U	91 U	83 U	87 U	89 U	93 U	98 U
4-Nitroaniline	100-01-6	ug/kg	218000		2700000	740000	218000	27000	250000	25000	--	110 U	63 U	78 U	78 U	72 U	76 U	77 U	81 U	85 U
4-Nitrophenol	100-02-7	ug/kg	133000				133000				--	92 U	54 U	66 U	67 U	61 U	65 U	65 U	69 U	73 U
Acenaphthene	83-32-9	ug/kg	2970000			10000000	2970000		3500000	350000	--	93 U	54 U	67 U	68 U	62 U	65 U	66 U	69 U	73 U
Acenaphthylene	208-96-8	ug/kg	3780000				3780000				--	88 U	51 U	63 U	64 U	58 U	61 U	62 U	66 U	69 U
Aniline	62-53-3	ug/kg	102000		9300000	1300000	102000	93000	430000	43000	--	130 U	78 U	95 U	96 U	88 U	93 U	94 U	99 U	100 U
Anthracene	120-12-7	ug/kg	17700000			52000000	17700000		17000000	1700000	--	82 U	48 U	59 U	60 U	55 U	58 U	59 U	62 U	65 U
Benzidine	92-87-5	ug/kg	15.4		52	550000	15.4	0.52	180000	18000	--	6300 U	3700 U	4500 U	4600 U	4200 U	4400 U	4500 U	4700 U	5000 U
Benzo(a)anthracene	56-55-3	ug/kg	5650		15000		5650	150			--	130 U	75 U	92 U	93 U	85 U	90 U	91 U	96 U	100 U
Benzo(a)pyrene	50-32-8	ug/kg	564		1500		564	15			--	100 U	59 U	73 U	74 U	68 U	71 U	72 U	76 U	80 U
Benzo(b)fluoranthene	205-99-2	ug/kg	5710		15000		5710	150			--	82 U	48 U	59 U	60 U	**115 J**	**63.9 J**	59 U	62 U	65 U
Benzo(g,h,i)perylene	191-24-2	ug/kg	1780000				1780000				--	88 U	52 U	64 U	64 U	59 U	62 U	63 U	66 U	70 U
Benzo(k)fluoranthene	207-08-9	ug/kg	57200		150000		57200	1500			--	140 U	84 U	100 U	100 U	96 U	100 U	100 U	110 U	110 U
Benzoic acid	65-85-0	ug/kg	266000000			740000000	266000000		250000000	25000000	--	520 U	300 U	370 U	380 U	350 U	360 U	370 U	390 U	410 U
Benzyl Alcohol	100-51-6	ug/kg	6660000			18000000	6660000		6200000	620000	--	130 U	75 U	92 U	93 U	85 U	90 U	91 U	96 U	100 U
bis(2-Chloroethoxy)methane	111-91-1	ug/kg	3100			550000	3100		180000	18000	--	100 U	60 U	73 U	74 U	68 U	71 U	72 U	76 U	80 U
bis(2-Chloroethyl)ether	111-44-4	ug/kg	2170		23000		2170	230			--	140 U	84 U	100 U	100 U	96 U	100 U	100 U	110 U	110 U
bis(2-Chloroisopropyl)ether	108-60-1	ug/kg	50700		490000	9400000	50700	4900	3100000	310000	--	130 U	73 U	90 U	91 U	84 U	88 U	89 U	94 U	99 U
bis(2-Ethylhexyl)phthalate	117-81-7	ug/kg	43200		3800000	3700000	43200	38000	1200000	120000	--	260 U	150 U	**235**	190 U	**258**	180 U	180 U	190 U	210 U
Butyl benzyl phthalate	85-68-7	ug/kg	1610000		28000000	37000000	1610000	280000	12000000	1200000	--	110 U	62 U	76 U	77 U	70 U	74 U	75 U	79 U	83 U
Carbazole	86-74-8	ug/kg	235000				235000				--	100 U	61 U	75 U	76 U	69 U	73 U	74 U	78 U	82 U
Chrysene	218-01-9	ug/kg	561000		1500000		561000	15000			--	140 U	81 U	100 U	100 U	93 U	97 U	99 U	100 U	110 U
Dibenzo(a,h)anthracene	53-70-3	ug/kg	550		1500		550	15			--	110 U	67 U	82 U	83 U	76 U	80 U	81 U	85 U	90 U
Dibenzofuran	132-64-9	ug/kg	220000			220000	266000		72000	7200	--	110 U	62 U	77 U	77 U	71 U	75 U	76 U	80 U	84 U
Diethyl phthalate	84-66-2	ug/kg	53300000			150000000	53300000		49000000	4900000	--	95 U	56 U	68 U	69 U	63 U	66 U	67 U	71 U	75 U
Dimethyl phthalate	131-11-3	ug/kg	53300000				53300000				--	93 U	54 U	67 U	68 U	62 U	65 U	66 U	69 U	73 U
Di-n-butyl phthalate	84-74-2	ug/kg	6180000			18000000	6180000		6200000	620000	--	100 U	60 U	74 U	75 U	68 U	72 U	73 U	77 U	81 U
Di-n-octyl phthalate	117-84-0	ug/kg	1800000			1800000	2580000		620000	62000	--	86 U	50 U	62 U	62 U	57 U	60 U	61 U	64 U	68 U
Fluoranthene	206-44-0	ug/kg	2320000			7000000	2320000		2300000	230000	--	110 U	63 U	78 U	78 U	**83.6 J**	76 U	77 U	81 U	85 U
Fluorene	86-73-7	ug/kg	2260000			7000000	2260000		2300000	230000	--	97 U	57 U	70 U	70 U	64 U	68 U	69 U	72 U	76 U
Hexachlorobenzene	118-74-1	ug/kg	1070		33000	150000	1070	330	49000	4900	--	110 U	62 U	76 U	77 U	70 U	74 U	75 U	79 U	83 U
Hexachlorobutadiene	87-68-3	ug/kg	19600		680000	180000	19600	6800	62000	6200	--	120 U	70 U	86 U	86 U	79 U	83 U	84 U	89 U	94 U
Hexachlorocyclopentadiene	77-47-4	ug/kg	13700			1100000	13700		370000	37000	--	150 U	91 U	110 U	110 U	100 U	110 U	110 U	120 U	120 U
Hexachloroethane	67-72-1	ug/kg	46200		1300000	130000	46200	13000	43000	4300	--	120 U	70 U	86 U	86 U	79 U	83 U	84 U	89 U	94 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	5720		15000		5720	150			--	120 U	69 U	85 U	86 U	79 U	83 U	84 U	88 U	93 U
Isophorone	78-59-1	ug/kg	4950000		56000000	37000000	4950000	560000	12000000	1200000	--	100 U	59 U	72 U	73 U	67 U	70 U	71 U	75 U	79 U
Naphthalene	91-20-3	ug/kg	221000		380000	390000	221000	3800	130000	13000	--	120 U	69 U	85 U	85 U	78 U	82 U	83 U	88 U	93 U
Nitrobenzene	98-95-3	ug/kg	65700		510000	380000	65700	5100	130000	13000	--	93 U	55 U	67 U	68 U	62 U	65 U	66 U	70 U	74 U
n-Nitrosodimethylamine	62-75-9	ug/kg	74		230	1500	74	2.3	490	49	--	100 U	59 U	73 U	74 U	68 U	71 U	72 U	76 U	80 U
N-Nitroso-di-n-propylamine	621-64-7	ug/kg	400		7600		400	76			--	130 U	78 U	95 U	96 U	88 U	93 U	94 U	99 U	100 U
N-Nitrosodiphenylamine	86-30-6	ug/kg	571000		11000000		571000	110000			--	92 U	54 U	66 U	67 U	61 U	65 U	65 U	69 U	73 U
Pentachlorophenol	87-86-5	ug/kg	725		99000	700000	725	990	230000	23000	--	240 U	140 U	170 U	180 U	160 U	170 U	170 U	180 U	190 U
Phenanthrene	85-01-8	ug/kg	1710000				1710000				--	92 U	54 U	66 U	67 U	61 U	65 U	65 U	69 U	73 U
Phenol	108-95-2	ug/kg	20000000			55000000	20000000		18000000	1800000	--	150 U	87 U	110 U	110 U	99 U	100 U	110 U	110 U	120 U
Pyrene	129-00-0	ug/kg	1700000			5200000	1700000		1700000	170000	--	150 U	85 U	100 U	110 U	**119 J**	100 U	100 U	110 U	110 U
Pyridine	110-86-1	ug/kg	81900			230000	81900		78000	7800	--	86 U	51 U	62 U	63 U	58 U	60 U	61 U	65 U	68 U
TPH																				
TPH (>C12-C28)	NA	mg/kg	3600		1600000	1300000000	3600	0.0001	18	1.8	--	**234**	17 U	20 U	21 U	19 U	19 U	20 U	25 U	24 U
TPH (>C28-C35)	NA	mg/kg	3600		1600000	1300000000	3600	0.0001	18	1.8	--	**147**	17 U	20 U	21 U	19 U	19 U	20 U	25 U	24 U
TPH (C6-C12)	NA	mg/kg	3600		1600000	1300000000	3600	0.0001	18	1.8	--	27 U	14 U	16 U	18 U	16 U	15 U	17 U	21 U	20 U
TPH (C6-C35)	NA	mg/kg	3600		1600000	1300000000	3600	0.0001	18	1.8	--	**381**	14 U	16 U	18 U	16 U	15 U	17 U	21 U	20 U
VOCs																				
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	65300		200000	7000000	65300	2000	2300000	230000	--	1.1 U	0.49 U	0.72 U	0.86 U	0.66 U	0.67 U	0.69 U	0.89 U	0.79 U
1,1,1-Trichloroethane	71-55-6	ug/kg	24000000			24000000	53000000		8100000	810000	--	1.3 U	0.61 U	0.89 U	1.1 U	0.83 U	0.84 U	0.86 U	1.1 U	0.99 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	30400		60000	4700000	30400	600	1600000	160000	--	1.4 U	0.66 U	0.96 U	1.2 U	0.89 U	0.9 U	0.92 U	1.2 U	1.1 U
1,1,2-Trichloroethane	79-00-5	ug/kg	4500		110000	4500	18500	1100	1500	150	--	1.4 U	0.65 U	0.95 U	1.1 U	0.88 U	0.89 U	0.92 U	1.2 U	1.1 U
1,1-Dichloroethane	75-34-3	ug/kg	360000		360000	47000000	11300000	3600	16000000	1600000	--	0.87 U	0.4 U	0.58 U	0.7 U	0.54 U	0.55 U	0.56 U	0.73 U	0.64 U
1,1-Dichloroethylene	75-35-4	ug/kg	680000			680000	2290000		230000	23000	--	0.89 U	0.41 U	0.59 U	0.71 U	0.55 U	0.56 U	0.57 U	0.74 U	0.66 U
1,1-Dichloropropene	563-58-6	ug/kg	36200				36200				--	0.95 U	0.43 U	0.64 U	0.77 U	0.59 U	0.6 U	0.61 U	0.79 U	0.7 U

1,2,3-Trichlorobenzene	87-61-6	ug/kg	120000			150000	120000		49000	4900	--	1.1 U	0.51 U	0.75 U	0.9 U	0.69 U	0.7 U	0.72 U	0.93 U	0.83 U
1,2,3-Trichloropropane	96-18-4	ug/kg	202		510	15000	202	5.1	4800	480	--	1.9 U	0.88 U	1.3 U	1.6 U	1.2 U	1.2 U	1.2 U	1.6 U	1.4 U
1,2,4-Trichlorobenzene	120-82-1	ug/kg	123000		2400000	170000	123000	24000	58000	5800	--	1.1 U	0.48 U	0.7 U	0.85 U	0.65 U	0.66 U	0.68 U	0.88 U	0.78 U
1,2,4-Trimethylbenzene	95-63-6	ug/kg	151000			170000	151000		58000	5800	--	**9.1**	0.39 U	0.58 U	0.69 U	0.53 U	0.54 U	0.55 U	0.72 U	0.64 U
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg	154		530	14000	154	5.3	4700	470	--	6.7 U	3.1 U	4.5 U	5.4 U	4.2 U	4.2 U	4.3 U	5.6 U	5 U
1,2-Dibromoethane	106-93-4	ug/kg	734		3600	220000	734	36	73000	7300	--	0.9 U	0.41 U	0.6 U	0.72 U	0.56 U	0.57 U	0.58 U	0.75 U	0.67 U
1,2-Dichloroethane	107-06-2	ug/kg	11400		46000	94000	11400	460	31000	3100	--	1 U	0.46 U	0.68 U	0.81 U	0.63 U	0.63 U	0.65 U	0.84 U	0.75 U
1,2-Dichloropropane	78-87-5	ug/kg	47000		100000	47000	60900	1000	16000	1600	--	1.2 U	0.56 U	0.83 U	0.99 U	0.77 U	0.78 U	0.79 U	1 U	0.91 U
1,3,5-Trimethylbenzene	108-67-8	ug/kg	113000			2300000	113000		780000	78000	--	**2.4 J**	0.91 U	1.3 U	1.6 U	1.2 U	1.3 U	1.3 U	1.7 U	1.5 U
1,3-Dichloropropane	142-28-9	ug/kg	36200			4700000	36200		1600000	160000	--	2.2 U	0.99 U	1.5 U	1.7 U	1.3 U	1.4 U	1.4 U	1.8 U	1.6 U
2,2-Dichloropropane	594-20-7	ug/kg	60900				60900				--	1.2 U	0.52 U	0.77 U	0.92 U	0.71 U	0.72 U	0.74 U	0.96 U	0.85 U
2-Hexanone	591-78-6	ug/kg	274000			600000	274000		200000	20000	--	16 U	7.2 U	11 U	13 U	9.8 U	9.9 U	10 U	13 U	12 U
4-Methyl-2-pentanone	108-10-1	ug/kg	5890000			16000000	5890000		5300000	530000	--	13 U	6.1 U	9 U	11 U	8.3 U	8.4 U	8.6 U	11 U	9.9 U
Acetone	67-64-1	ug/kg	65600000			180000000	65600000		61000000	6100000	--	**71.1 J**	9.7 U	14 U	17 U	13 U	**30.3 J**	14 U	18 U	**19.4 J**
Benzene	71-43-2	ug/kg	116000		120000	250000	116000	1200	82000	8200	--	1.4 U	0.66 U	0.96 U	1.2 U	0.89 U	0.9 U	0.92 U	1.2 U	1.1 U
Bromobenzene	108-86-1	ug/kg	391000			860000	391000		290000	29000	--	0.86 U	0.39 U	0.57 U	0.69 U	0.53 U	0.54 U	0.55 U	0.72 U	0.64 U
Bromochloromethane	74-97-5	ug/kg	450000			450000	3280000		150000	15000	--	2.3 U	1.1 U	1.5 U	1.9 U	1.4 U	1.5 U	1.5 U	1.9 U	1.7 U
Bromodichloromethane	75-27-4	ug/kg	29000		29000	4700000	97900	290	1600000	160000	--	0.96 U	0.44 U	0.64 U	0.77 U	0.59 U	0.6 U	0.62 U	0.8 U	0.71 U
Bromoform	75-25-2	ug/kg	401000		6700000	3700000	401000	67000	1200000	120000	--	1.6 U	0.73 U	1.1 U	1.3 U	0.99 U	1 U	1 U	1.3 U	1.2 U
Carbon disulfide	75-15-0	ug/kg	2300000			2300000	4650000		770000	77000	--	**3.5 J**	0.56 U	0.83 U	1 U	0.77 U	0.78 U	0.8 U	1 U	0.92 U
Carbon tetrachloride	56-23-5	ug/kg	35400		65000	310000	35400	650	100000	10000	--	1.8 U	0.84 U	1.2 U	1.5 U	1.1 U	1.2 U	1.2 U	1.5 U	1.4 U
Chlorobenzene	108-90-7	ug/kg	523000			830000	523000		280000	28000	--	2 U	0.91 U	1.3 U	1.6 U	1.2 U	1.2 U	1.3 U	1.7 U	1.5 U
Chloroethane	75-00-3	ug/kg	27000000			41000000	27000000		14000000	1400000	--	3.3 U	1.5 U	2.2 U	2.7 U	2.1 U	2.1 U	2.2 U	2.8 U	2.5 U
Chloroform	67-66-3	ug/kg	15600		32000	600000	15600	320	200000	20000	--	0.92 U	0.42 U	0.61 U	0.74 U	0.57 U	0.57 U	0.59 U	0.76 U	0.68 U
cis-1,2-Dichloroethylene	156-59-2	ug/kg	139000			470000	139000		160000	16000	--	0.97 U	0.44 U	0.65 U	0.78 U	0.6 U	0.61 U	0.63 U	0.81 U	0.72 U
cis-1,3-Dichloropropene	10061-01-5	ug/kg	7980				7980				--	0.96 U	0.44 U	0.64 U	0.77 U	0.6 U	0.6 U	0.62 U	0.8 U	0.71 U
Dibromochloromethane	124-48-1	ug/kg	72300		73000	3700000	72300	730	1200000	120000	--	1.9 U	0.88 U	1.3 U	1.6 U	1.2 U	1.2 U	1.2 U	1.6 U	1.4 U
Dichlorodifluoromethane	75-71-8	ug/kg	260000			260000	1400000		87000	8700	--	2.4 U	1.1 U	1.6 U	1.9 U	1.5 U	1.5 U	1.5 U	2 U	1.7 U
Ethylbenzene	100-41-4	ug/kg	580000		580000	10000000	6390000	5800	3400000	340000	--	**13.3**	0.94 U	1.4 U	1.7 U	1.3 U	1.3 U	1.3 U	1.7 U	1.5 U
Hexachlorobutadiene	87-68-3	ug/kg	19600		680000	180000	19600	6800	62000	6200	--	1.5 U	0.67 U	0.98 U	1.2 U	0.91 U	0.92 U	0.95 U	1.2 U	1.1 U
Isopropylbenzene	98-82-8	ug/kg	4340000			5800000	4340000		1900000	190000	--	2.4 U	1.1 U	1.6 U	1.9 U	1.5 U	1.5 U	1.5 U	2 U	1.8 U
m,p-Xylene	NA	ug/kg	47000		1600000000	47000	4300000	0.1	18000	1600	--	**12.1 J**	1.7 U	2.5 U	3.1 U	2.4 U	2.4 U	2.5 U	3.2 U	2.8 U
m-Dichlorobenzene	541-73-1	ug/kg	117000				117000				--	1.3 U	0.61 U	0.89 U	1.1 U	0.82 U	0.83 U	0.85 U	1.1 U	0.98 U
Methyl bromide	74-83-9	ug/kg	21000			21000	46000		6800	680	--	4 U	1.8 U	2.6 U	3.2 U	2.4 U	2.5 U	2.5 U	3.3 U	2.9 U
Methyl chloride	74-87-3	ug/kg	140000			330000	140000		110000	11000	--	1.6 U	0.75 U	1.1 U	1.3 U	1 U	1 U	1.1 U	1.4 U	1.2 U
Methyl ethyl ketone	78-93-3	ug/kg	39500000			81000000	39500000		27000000	2700000	--	**26.2 J**	4.9 U	7.1 U	8.6 U	6.6 U	6.7 U	6.9 U	8.9 U	7.9 U
Methyl Tert Butyl Ether	1634-04-4	ug/kg	805000		4700000	46000000	805000	47000	15000000	1500000	--	1.1 U	0.49 U	0.72 U	0.87 U	0.67 U	0.68 U	0.7 U	0.9 U	0.8 U
Methylene bromide	74-95-3	ug/kg	69000			69000	80700		23000	2300	--	1.4 U	0.63 U	0.92 U	1.1 U	0.85 U	0.86 U	0.88 U	1.1 U	1 U
Methylene chloride	75-09-2	ug/kg	480000		5700000	1000000	480000	57000	350000	35000	--	5.3 U	2.4 U	3.6 U	4.3 U	3.3 U	3.3 U	3.4 U	4.4 U	3.9 U
Naphthalene	91-20-3	ug/kg	221000		380000	390000	221000	3800	130000	13000	--	4.3 U	1.9 U	2.8 U	3.4 U	2.6 U	2.7 U	2.7 U	3.6 U	3.2 U
n-Butylbenzene	104-51-8	ug/kg	3330000			12000000	3330000		3900000	390000	--	0.94 U	0.43 U	0.62 U	0.75 U	0.58 U	0.59 U	0.6 U	0.78 U	0.69 U
n-Propylbenzene	103-65-1	ug/kg	2160000			10000000	2160000		3300000	330000	--	2.2 U	1 U	1.5 U	1.8 U	1.4 U	1.4 U	1.4 U	1.8 U	1.6 U
o-Chlorotoluene	95-49-8	ug/kg	1210000			4700000	1210000		1600000	160000	--	1 U	0.46 U	0.68 U	0.82 U	0.63 U	0.64 U	0.65 U	0.85 U	0.75 U
o-Dichlorobenzene	95-50-1	ug/kg	720000			5400000	720000		1800000	180000	--	2.1 U	0.94 U	1.4 U	1.7 U	1.3 U	1.3 U	1.3 U	1.7 U	1.5 U
o-Xylene	95-47-6	ug/kg	1900000			1900000	48200000		650000	65000	--	**6.5 J**	0.98 U	1.4 U	1.7 U	1.3 U	1.3 U	1.4 U	1.8 U	1.6 U
p-Chlorotoluene	106-43-4	ug/kg	1640000			4700000	1640000		1600000	160000	--	0.88 U	0.4 U	0.58 U	0.7 U	0.54 U	0.55 U	0.56 U	0.73 U	0.65 U
p-Dichlorobenzene	106-46-7	ug/kg	253000		260000	10000000	253000	2600	3400000	340000	--	1.8 U	0.84 U	1.2 U	1.5 U	1.1 U	1.2 U	1.2 U	1.5 U	1.4 U
p-Isopropyltoluene	99-87-6	ug/kg	8190000				8190000				--	2.8 U	1.3 U	1.8 U	2.2 U	1.7 U	1.7 U	1.8 U	2.3 U	2 U
sec-Butylbenzene	135-98-8	ug/kg	3280000			23000000	3280000		7800000	780000	--	1.9 U	0.85 U	1.2 U	1.5 U	1.2 U	1.2 U	1.2 U	1.6 U	1.4 U
Styrene	100-42-5	ug/kg	6680000			18000000	6680000		6000000	600000	--	2 U	0.9 U	1.3 U	1.6 U	1.2 U	1.2 U	1.3 U	1.6 U	1.5 U
tert-Butylbenzene	98-06-6	ug/kg	3280000			23000000	3280000		7800000	780000	--	1.7 U	0.76 U	1.1 U	1.3 U	1 U	1 U	1.1 U	1.4 U	1.2 U
Tetrachloroethylene	127-18-4	ug/kg	240000		2400000	240000	452000	24000	81000	8100	--	2.2 U	0.98 U	1.4 U	1.7 U	1.3 U	1.3 U	1.4 U	1.8 U	1.6 U
Toluene	108-88-3	ug/kg	5930000			15000000	5930000		4900000	490000	--	**2.7 J**	0.99 U	1.5 U	1.7 U	1.3 U	1.4 U	1.4 U	1.8 U	1.6 U
trans-1,2-Dichloroethylene	156-60-5	ug/kg	590000			4700000	590000		1600000	160000	--	0.93 U	0.42 U	0.62 U	0.75 U	0.58 U	0.58 U	0.6 U	0.78 U	0.69 U
trans-1,3-Dichloropropene	10061-02-6	ug/kg	36200				36200				--	1.1 U	0.5 U	0.73 U	0.88 U	0.68 U	0.68 U	0.7 U	0.91 U	0.81 U
Trichloroethylene	79-01-6	ug/kg	12000		94000	12000	17500	940	4100	410	--	0.99 U	0.45 U	0.66 U	0.8 U	0.61 U	0.62 U	0.64 U	0.83 U	0.73 U
Trichlorofluoromethane	75-69-4	ug/kg	2200000			2200000	24600000		730000	73000	--	1.3 U	0.61 U	0.89 U	1.1 U	0.83 U	0.84 U	0.86 U	1.1 U	0.99 U
Vinyl chloride	75-01-4	ug/kg	3700		5900	210000	3700	59	70000	7000	--	1.2 U	0.56 U	0.83 U	0.99 U	0.77 U	0.78 U	0.79 U	1 U	0.91 U
Xylene (total)	1330-20-7	ug/kg	1800000			1800000	5960000		580000	58000	--	**18.6 J**	2.7 U	4 U	4.8 U	3.7 U	3.7 U	3.8 U	5 U	4.4 U

					EPA Removal Management Levels		TCEQ Standards	EPA Regional Screening Levels												
Analyte	CAS.NO	Units	Site Specific Value	Texas Background	June 2014 Res Soil Carcinogenic SL TR=1.0E-4 RML	June 2014 Res Soil Noncarcinogenic SL Child HI=3 RML	TRRP Residential Soil 0.5 acre TotSoilComb	Carcinogenic SL TR=1.0E-6 (mg/kg)	Noncarcinogenic SL Child HI=1 (mg/kg)	Noncarcinogenic SL Child HI=0.1 (mg/kg)	Sample ID	CES-CS-01-51	CES-CS-02-51	CES-CS-03-51	CES-CS-04-51	CES-CS-05-51	CES-CS-06-51	CES-CS-07-51	CES-CS-08-51	CES-CS-09-51
											Date	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014	8/5/2014
											Type	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Metals																				
Aluminum	7429-90-5	mg/kg	64500	30000		230000	64500		77000	7700	--	**18800**	**11000**	**14100**	**14400**	**12800**	**18500**	**24900**	**26600**	**24500**
Antimony	7440-36-0	mg/kg	15	1		94	15		31	3.1	--	**1.4 J**	0.55 U	**0.33 J**	**0.32 J**	**0.36**	**0.46**	**0.24 J**	**0.13 J**	**0.26 J**
Arsenic	7440-38-2	mg/kg	24.2	5.9	67	100	24.2	0.67	34	3.4	--	**6.8**	**8.4**	**2.1**	**2.5**	**2.8**	**2.9**	**3.4**	**4**	**3.7**
Barium	7440-39-3	mg/kg	8100	300		46000	8100		15000	1500	--	**432**	**60.2**	**100**	**98.1**	**112**	**152**	**144**	**129**	**147**
Beryllium	7440-41-7	mg/kg	37.6	1.5	160000	470	37.6	1600	160	16	--	**2.7**	**0.55**	**0.55**	**0.86**	**1.1**	**1.5**	**1.1**	**1.2**	**1.5**
Cadmium	7440-43-9	mg/kg	52.4		210000	210	52.4	2100	70	7	--	**0.85 J**	**0.22 J**	**0.44**	**0.61**	**0.54**	**0.74**	**0.55**	**0.26 J**	**0.39**
Calcium	7440-70-2	mg/kg									--	**121000**	**101000**	**19000**	**14700**	**20200**	**24400**	**25200**	**11100**	**22000**
Chromium	7440-47-3	mg/kg	32600	30			32600				--	**34.2**	**11.1**	**15**	**18**	**16.5**	**23**	**25.3**	**25.2**	**25.8**
Cobalt	7440-48-4	mg/kg	20.7	7	42000	70	20.7	420	23	2.3	--	**6.1**	**4.1**	**3.8**	**4.8**	**4.2**	**4.8**	**5**	**6.7**	**5.7**
Copper	7440-50-8	mg/kg	548	15		9400	548		3100	310	--	**48.4**	**10.2**	**16.2**	**17.5**	**20.9**	**22.3**	**17.3**	**14.9**	**18**
Iron	7439-89-6	mg/kg	160000	15000		160000			55000	5500	--	**12800**	**14100**	**10900**	**10100**	**9810**	**12100**	**14800**	**16400**	**14800**
Lead	7439-92-1	mg/kg	500	15			500				--	**69.9**	**31**	**48.7**	**124**	**75.7**	**90.3**	**53.1**	**57.3**	**61.3**
Magnesium	7439-95-4	mg/kg									--	**2710**	**1450**	**2000**	**1830**	**1830**	**2360**	**2730**	**2800**	**2870**
Manganese	7439-96-5	mg/kg	3650	300		5500	3650		1800	180	--	**288**	**100**	**145**	**198**	**184**	**207**	**184**	**199**	**327**
Mercury	7439-97-6	mg/kg	3.65	0.04		28	3.65		9.4	0.94	--	**1.6**	**0.035**	**0.066**	**0.11**	**0.087**	**0.11**	**0.13**	**0.051**	**0.31**
Nickel	7440-02-0	mg/kg	845	10	1500000	4600	845	15000	1500	150	--	**95.9**	**8.4**	**10.9**	**11.8**	**13.4**	**16.8**	**14.9**	**14.4**	**15.1**
Potassium	7440-09-7	mg/kg									--	**1950**	**1010**	**1790**	**1430**	**1690**	**1860**	**2100**	**2290**	**2100**
Selenium	7782-49-2	mg/kg	309	0.3		1200	309		390	39	--	**1.9 J**	**1.6**	**0.71**	**0.73**	**0.57**	**0.44**	**0.6**	**0.69**	**0.79**
Silver	7440-22-4	mg/kg	96.7			1200	96.7		390	39	--	**0.094 J**	0.042 U	0.05 U	0.05 U	**0.13 J**	0.047 U	0.049 U	0.05 U	0.057 U
Sodium	7440-23-5	mg/kg									--	**465 J**	**316**	**160 J**	**167 J**	**207 J**	**211 J**	**306 J**	**152 J**	**123 J**
Vanadium	7440-62-2	mg/kg	75.5	50		1200	75.5		390	39	--	**32.8**	**41.2**	**20.8**	**21.4**	**18.7**	**26.2**	**34.7**	**38.4**	**33.8**
Zinc	7440-66-6	mg/kg	9920	30		70000	9920		23000	2300	--	**354**	**64.9**	**130**	**216**	**171**	**210**	**144**	**88.2**	**143**
PCBs																				
Pesticides																				
alpha-Chlordane	5103-71-9	ug/kg	12800				12800				--	7.1 U	**3.3 J**	**3.2 J**	1 U	**2.4 J**	2.5 U	1 U	1.1 U	1.1 U
gamma-Chlordane	5103-74-2	ug/kg	7390				7390				--	7.5 U	2.2 U	2.7 U	1.1 U	2.5 U	2.7 U	**1.2 J**	1.1 U	1.2 U
SVOCs																				
Benzo(b)fluoranthene	205-99-2	ug/kg	5710		15000		5710	150			--	82 U	48 U	59 U	60 U	**115 J**	**63.9 J**	59 U	62 U	65 U
bis(2-Ethylhexyl)phthalate	117-81-7	ug/kg	43200		3800000	3700000	43200	38000	1200000	120000	--	260 U	150 U	**235**	190 U	**258**	180 U	180 U	190 U	210 U
Fluoranthene	206-44-0	ug/kg	2320000			7000000	2320000		2300000	230000	--	110 U	63 U	78 U	78 U	**83.6 J**	76 U	77 U	81 U	85 U
Pyrene	129-00-0	ug/kg	1700000			5200000	1700000		1700000	170000	--	150 U	85 U	100 U	110 U	**119 J**	100 U	100 U	110 U	110 U
TPH																				
TPH (>C12-C28)	NA	mg/kg	3600		1600000	1300000000	3600	0.0001	18	1.8	--	**234**	17 U	20 U	21 U	19 U	19 U	20 U	25 U	24 U
TPH (>C28-C35)	NA	mg/kg	3600		1600000	1300000000	3600	0.0001	18	1.8	--	**147**	17 U	20 U	21 U	19 U	19 U	20 U	25 U	24 U
TPH (C6-C35)	NA	mg/kg	3600		1600000	1300000000	3600	0.0001	18	1.8	--	**381**	14 U	16 U	18 U	16 U	15 U	17 U	21 U	20 U
VOCs																				
1,2,4-Trimethylbenzene	95-63-6	ug/kg	151000			170000	151000		58000	5800	--	**9.1**	0.39 U	0.58 U	0.69 U	0.53 U	0.54 U	0.55 U	0.72 U	0.64 U
1,3,5-Trimethylbenzene	108-67-8	ug/kg	113000			2300000	113000		780000	78000	--	**2.4 J**	0.91 U	1.3 U	1.6 U	1.2 U	1.3 U	1.3 U	1.7 U	1.5 U
Acetone	67-64-1	ug/kg	65600000			180000000	65600000		61000000	6100000	--	**71.1 J**	9.7 U	14 U	17 U	13 U	**30.3 J**	14 U	18 U	**19.4 J**
Carbon disulfide	75-15-0	ug/kg	2300000			2300000	4650000		770000	77000	--	**3.5 J**	0.56 U	0.83 U	1 U	0.77 U	0.78 U	0.8 U	1 U	0.92 U
Ethylbenzene	100-41-4	ug/kg	580000		580000	10000000	6390000	5800	3400000	340000	--	**13.3**	0.94 U	1.4 U	1.7 U	1.3 U	1.3 U	1.3 U	1.7 U	1.5 U
m,p-Xylene	NA	ug/kg	47000		1600000000	47000	4300000	0.1	18000	1600	--	**12.1 J**	1.7 U	2.5 U	3.1 U	2.4 U	2.4 U	2.5 U	3.2 U	2.8 U
Methyl ethyl ketone	78-93-3	ug/kg	39500000			81000000	39500000		27000000	2700000	--	**26.2 J**	4.9 U	7.1 U	8.6 U	6.6 U	6.7 U	6.9 U	8.9 U	7.9 U
o-Xylene	95-47-6	ug/kg	1900000			1900000	48200000		650000	65000	--	**6.5 J**	0.98 U	1.4 U	1.7 U	1.3 U	1.3 U	1.4 U	1.8 U	1.6 U
Toluene	108-88-3	ug/kg	5930000			15000000	5930000		4900000	490000	--	**2.7 J**	0.99 U	1.5 U	1.7 U	1.3 U	1.4 U	1.4 U	1.8 U	1.6 U
Xylene (total)	1330-20-7	ug/kg	1800000			1800000	5960000		580000	58000	--	**18.6 J**	2.7 U	4 U	4.8 U	3.7 U	3.7 U	3.8 U	5 U	4.4 U

				TCEQ Risk-Based Exposure Limits		EPA National Recommended Water Quality Criteria			
Analyte	CAS.NO	Units	Site Specific Value	Freshwater Acute RBEL	Freshwater Chronic RBEL	NRWQC Aquatic Life Freshwater CMC (acute)	NRWQC Aquatic Life Freshwater CCC (chronic)	Sample ID Date Type	CES-20140803 8/3/2014 Field Sample
Metals									
Aluminum	7429-90-5	mg/l	0.087	0.991	0.087	0.75	0.087	--	**0.985**
Antimony	7440-36-0	mg/l	0.16		0.16			--	**0.0019 J**
Arsenic	7440-38-2	mg/l	0.15	0.34	0.15	0.34	0.15	--	**0.0056**
Barium	7440-39-3	mg/l	16		16			--	**0.135 J**
Beryllium	7440-41-7	mg/l	0.0053	0.13	0.0053			--	**0.00033 J**
Cadmium	7440-43-9	mg/l	0.00015	0.00437	0.00015	0.002	0.00025	--	**0.00036 J**
Calcium	7440-70-2	mg/l						--	**76.7**
Chromium	7440-47-3	mg/l						--	**0.0122**
Cobalt	7440-48-4	mg/l	1.5	45	1.5			--	**0.0028 J**
Copper	7440-50-8	mg/l	0.00524	0.00739	0.00524			--	**0.0044 J**
Iron	7439-89-6	mg/l	1		1		1	--	**6.37**
Lead	7439-92-1	mg/l	0.00117	0.03014	0.00117	0.065	0.0025	--	**0.0056**
Magnesium	7439-95-4	mg/l	3.235	19.41	3.235			--	**8.15**
Manganese	7439-96-5	mg/l	0.12		0.12			--	**0.878**
Mercury	7439-97-6	mg/l	0.00077	0.0024	0.0013	0.0014	0.00077	--	0.00005 U
Nickel	7440-02-0	mg/l	0.02893	0.2605	0.02893	0.47	0.052	--	**0.056**
Potassium	7440-09-7	mg/l						--	**7.67**
Selenium	7782-49-2	mg/l	0.005	0.02	0.005		0.005	--	**0.0063**
Silver	7440-22-4	mg/l	0.0001	0.0008	0.0001	0.0032		--	0.00059 U
Sodium	7440-23-5	mg/l						--	**152**
Thallium	7440-28-0	mg/l	0.004		0.004			--	0.0021 U
Vanadium	7440-62-2	mg/l						--	**0.0046 J**
Zinc	7440-66-6	mg/l	0.06513	0.06513	0.06566	0.12	0.12	--	**0.0477**
PCBs									
Aroclor 1016	12674-11-2	ug/l						--	0.21 U
Aroclor 1221	11104-28-2	ug/l						--	0.2 U
Aroclor 1232	11141-16-5	ug/l						--	0.17 U
Aroclor 1242	53469-21-9	ug/l						--	0.12 U
Aroclor 1248	12672-29-6	ug/l						--	0.1 U
Aroclor 1254	11097-69-1	ug/l						--	0.1 U
Aroclor 1260	11096-82-5	ug/l						--	0.12 U
Pesticides									
4,4'-DDD	72-54-8	ug/l	0.011		0.011			--	0.033 U
4,4'-DDE	72-55-9	ug/l	10.5		10.5			--	0.025 U
4,4'-DDT	50-29-3	ug/l	0.001	1.1	0.001	1.1	0.001	--	0.037 U
Aldrin	309-00-2	ug/l	0.3	3	0.3	3		--	0.01 U

alpha-BHC	319-84-6	ug/l	74	447	74			--	0.021 U
alpha-Chlordane	5103-71-9	ug/l						--	**0.014 J**
beta-BHC	319-85-7	ug/l	83	498	83			--	0.012 U
delta-BHC	319-86-8	ug/l	141	249	141			--	**0.018 J**
Dieldrin	60-57-1	ug/l	0.002	0.24	0.002	0.24	0.056	--	0.02 U
Endosulfan sulfate	1031-07-8	ug/l	0.056	0.22	0.056			--	**0.026 J**
Endosulfan-I	959-98-8	ug/l	0.056	0.22	0.056	0.22	0.056	--	0.018 U
Endosulfan-II	33213-65-9	ug/l	0.056	0.22	0.056	0.22	0.056	--	0.021 U
Endrin	72-20-8	ug/l	0.002	0.086	0.002	0.086	0.036	--	0.02 U
Endrin aldehyde	7421-93-4	ug/l	1210	36300	1210			--	0.036 U
Endrin ketone	53494-70-5	ug/l						--	0.03 U
gamma-BHC (Lindane)	58-89-9	ug/l	0.08	1.126	0.08	0.95		--	0.017 U
gamma-Chlordane	5103-74-2	ug/l						--	0.011 U
Heptachlor	76-44-8	ug/l	0.0038	0.52	0.004	0.52	0.0038	--	0.01 U
Heptachlor epoxide	1024-57-3	ug/l	0.0038	0.52	0.0038	0.52	0.0038	--	0.011 U
Methoxychlor	72-43-5	ug/l	0.03		0.03		0.03	--	0.13 U
Toxaphene	8001-35-2	ug/l	0.0002	0.78	0.0002	0.73	0.0002	--	0.12 U
SVOCs									
1,2,4-Trichlorobenzene	120-82-1	ug/l	51.5	309	51.5			--	1.1 U
1,2-Dichlorobenzene	95-50-1	ug/l	110	660	110			--	1.1 U
1,2-Diphenylhydrazine	122-66-7	ug/l	12	69	12			--	1.3 U
1,3-Dichlorobenzene	541-73-1	ug/l	85	153	85			--	1.1 U
1,4-Dichlorobenzene	106-46-7	ug/l	110	660	110			--	1.1 U
1-Methylnaphthalene	90-12-0	ug/l	2.1		2.1			--	**1.5 J**
2,4,5-Trichlorophenol	95-95-4	ug/l	64	136	64			--	0.98 U
2,4,6-Trichlorophenol	88-06-2	ug/l	13.5	81	13.5			--	1.1 U
2,4-Dichlorophenol	120-83-2	ug/l	85	510	85			--	1.1 U
2,4-Dimethylphenol	105-67-9	ug/l	105	630	105			--	**5 J**
2,4-Dinitrophenol	51-28-5	ug/l	31	186	31			--	10 U
2,4-Dinitrotoluene	121-14-2	ug/l	1220	7290	1220			--	1.3 U
2,6-Dinitrotoluene	606-20-2	ug/l						--	1 U
2-Chloronaphthalene	91-58-7	ug/l	54	323	54			--	1.3 U
2-Chlorophenol	95-57-8	ug/l	130	780	130			--	0.97 U
2-Methylnaphthalene	91-57-6	ug/l	63	380	63			--	**1.7 J**
2-Methylphenol	95-48-7	ug/l	560	3360	560			--	**12.3**
2-Nitroaniline	88-74-4	ug/l						--	1.3 U
2-Nitrophenol	88-75-5	ug/l	959	5753	959			--	1.1 U
3&4-Methylphenol	NA	ug/l						--	**39.8**
3,3'-Dichlorobenzidine	91-94-1	ug/l	53	315	53			--	1.3 U
3-Nitroaniline	99-09-2	ug/l						--	1.3 U
4,6-Dinitro-o-cresol	534-52-1	ug/l	12	69	12			--	5.6 U
4-Bromophenyl phenyl ether	101-55-3	ug/l	1.5		1.5			--	1.2 U
4-Chloro-3-methyl phenol	59-50-7	ug/l	0.3		0.3			--	1.2 U

4-Chloroaniline	106-47-8	ug/l						--	1.1 U
4-Chlorophenyl phenyl ether	7005-72-3	ug/l						--	1.3 U
4-Nitroaniline	100-01-6	ug/l						--	1.4 U
4-Nitrophenol	100-02-7	ug/l	532	3193	532			--	7.2 U
Acenaphthene	83-32-9	ug/l	23		23			--	1.2 U
Acenaphthylene	208-96-8	ug/l						--	1.2 U
Aniline	62-53-3	ug/l						--	1.3 U
Anthracene	120-12-7	ug/l	0.3	1.8	0.3			--	1.4 U
Benzidine	92-87-5	ug/l	1924	11545	1924			--	9.9 U
Benzo(a)anthracene	56-55-3	ug/l	34.6	207.6	34.6			--	1.5 U
Benzo(a)pyrene	50-32-8	ug/l	0.014		0.014			--	1.4 U
Benzo(b)fluoranthene	205-99-2	ug/l						--	1.2 U
Benzo(g,h,i)perylene	191-24-2	ug/l						--	1.5 U
Benzo(k)fluoranthene	207-08-9	ug/l						--	1.5 U
Benzoic Acid	65-85-0	ug/l	9000	54000	9000			--	**44.3**
Benzyl Alcohol	100-51-6	ug/l	8.6		8.6			--	**6.1**
bis(2-Chloroethoxy)methane	111-91-1	ug/l						--	1.2 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	12000	72000	12000			--	0.96 U
bis(2-Chloroisopropyl)ether	108-60-1	ug/l	6308	37847	6308			--	0.91 U
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	300		300			--	1.5 U
Butyl benzyl phthalate	85-68-7	ug/l	93	560	93			--	1.3 U
Carbazole	86-74-8	ug/l						--	1.4 U
Chrysene	218-01-9	ug/l	7	207	7			--	1.6 U
Dibenzo(a,h)anthracene	53-70-3	ug/l	5	149	5			--	1.4 U
Dibenzofuran	132-64-9	ug/l	94	562	94			--	1.3 U
Diethyl phthalate	84-66-2	ug/l	1043	6259	1043			--	1.4 U
Dimethyl phthalate	131-11-3	ug/l	330		330			--	1.4 U
Di-n-butyl phthalate	84-74-2	ug/l	7	221	7			--	1.4 U
Di-n-octyl phthalate	117-84-0	ug/l	22	671	22			--	1.2 U
Fluoranthene	206-44-0	ug/l	6.16		6.16			--	1.4 U
Fluorene	86-73-7	ug/l	11	64	11			--	1.2 U
Hexachlorobenzene	118-74-1	ug/l						--	1.6 U
Hexachlorobutadiene	87-68-3	ug/l	0.93		0.93			--	1.2 U
Hexachlorocyclopentadiene	77-47-4	ug/l	0.07	2.1	0.07			--	1.2 U
Hexachloroethane	67-72-1	ug/l	12		12			--	1.3 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l						--	1.1 U
Isophorone	78-59-1	ug/l	6000	36000	6000			--	1.2 U
Naphthalene	91-20-3	ug/l	250	1480	250			--	1 U
Nitrobenzene	98-95-3	ug/l	270		270			--	1.2 U
n-Nitrosodimethylamine	62-75-9	ug/l	47000	282000	47000			--	1 U
N-Nitroso-di-n-propylamine	621-64-7	ug/l	20	600	20			--	1.1 U
N-Nitrosodiphenylamine	86-30-6	ug/l	290	1740	290			--	1.4 U
Pentachlorophenol	87-86-5	ug/l	2.45	3.19	2.45	19	15	--	10 U

Phenanthrene	85-01-8	ug/l	30	30	30			--	1.5 U
Phenol	108-95-2	ug/l	110		110			--	**70.4**
Pyrene	129-00-0	ug/l	7	206	7			--	1.4 U
Pyridine	110-86-1	ug/l						--	1.3 U
VOCs									
1,1,1,2-Tetrachloroethane	630-20-6	ug/l						--	1.8 U
1,1,1-Trichloroethane	71-55-6	ug/l	2450	14700	2450			--	2.1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	465	2790	465			--	2 U
1,1,2-Trichloroethane	79-00-5	ug/l	900	5400	900			--	1.7 U
1,1-Dichloroethane	75-34-3	ug/l	2570	15400	2570			--	1.7 U
1,1-Dichloroethylene	75-35-4	ug/l	1500	9100	1500			--	2.3 U
1,1-Dichloropropene	563-58-6	ug/l						--	3.1 U
1,2,3-Trichlorobenzene	87-61-6	ug/l						--	2.1 U
1,2,3-Trichloropropane	96-18-4	ug/l						--	2.3 U
1,2,4-Trichlorobenzene	120-82-1	ug/l	51.5	309	51.5			--	2 U
1,2,4-Trimethylbenzene	95-63-6	ug/l	77	462	77			--	1.6 U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l						--	7.9 U
1,2-Dibromoethane	106-93-4	ug/l						--	1.7 U
1,2-Dichloroethane	107-06-2	ug/l	6300	37700	6300			--	1.8 U
1,2-Dichloropropane	78-87-5	ug/l	1870	11200	1870			--	1.7 U
1,3,5-Trimethylbenzene	108-67-8	ug/l	71	424.5	71			--	1.7 U
1,3-Dichloropropane	142-28-9	ug/l						--	1.6 U
2,2-Dichloropropane	594-20-7	ug/l						--	2.5 U
2-Hexanone	591-78-6	ug/l	6130	36790	6130			--	13 U
4-Methyl-2-pentanone	108-10-1	ug/l	26400	158100	26400			--	11 U
Acetone	67-64-1	ug/l	101200	607400	101200			--	**371**
Benzene	71-43-2	ug/l	130		130			--	1.7 U
Bromobenzene	108-86-1	ug/l						--	1.5 U
Bromochloromethane	74-97-5	ug/l						--	2.1 U
Bromodichloromethane	75-27-4	ug/l	2160	12962	2160			--	1.7 U
Bromoform	75-25-2	ug/l	149	897	149			--	2.2 U
Carbon disulfide	75-15-0	ug/l	105	700	105			--	1.8 U
Carbon tetrachloride	56-23-5	ug/l	9.8		9.8			--	2.2 U
Chlorobenzene	108-90-7	ug/l	64		64			--	1.3 U
Chloroethane	75-00-3	ug/l						--	3.6 U
Chloroform	67-66-3	ug/l	890	5340	890			--	1.7 U
cis-1,2-Dichloroethylene	156-59-2	ug/l						--	2 U
cis-1,3-Dichloropropene	10061-01-5	ug/l						--	1.4 U
Dibromochloromethane	124-48-1	ug/l	129	771	129			--	1.8 U
Dichlorodifluoromethane	75-71-8	ug/l	1963	11780	1963			--	7.4 U
Ethylbenzene	100-41-4	ug/l	1090	6540	1090			--	1.6 U
Hexachlorobutadiene	87-68-3	ug/l	0.93		0.93			--	2.4 U
Isopropylbenzene	98-82-8	ug/l	255	1530	255			--	2 U

m,p-Xylene	NA	ug/l						--	2.9 U
m-Dichlorobenzene	541-73-1	ug/l	85	153	85			--	1.7 U
Methyl bromide	74-83-9	ug/l	110	660	110			--	2.5 U
Methyl chloride	74-87-3	ug/l	28000	165000	28000			--	3.2 U
Methyl ethyl ketone	78-93-3	ug/l	42400	254420	42400			--	**399**
Methyl Tert Butyl Ether	1634-04-4	ug/l	51000	151000	51000			--	1.5 U
Methylene bromide	74-95-3	ug/l						--	2.2 U
Methylene chloride	75-09-2	ug/l	11000	66000	11000			--	8.1 U
Naphthalene	91-20-3	ug/l	250	1480	250			--	7.8 U
n-Butylbenzene	104-51-8	ug/l	36	213	36			--	2 U
n-Propylbenzene	103-65-1	ug/l	64	385	64			--	1.8 U
o-Chlorotoluene	95-49-8	ug/l						--	1.8 U
o-Dichlorobenzene	95-50-1	ug/l	110	660	110			--	1.4 U
o-Xylene	95-47-6	ug/l						--	1.4 U
p-Chlorotoluene	106-43-4	ug/l						--	1.6 U
p-Dichlorobenzene	106-46-7	ug/l	110	660	110			--	1.6 U
p-Isopropyltoluene	99-87-6	ug/l	42	254	42			--	1.8 U
sec-Butylbenzene	135-98-8	ug/l	41	246	41			--	2.3 U
Styrene	100-42-5	ug/l	1250	7515	1250			--	1.5 U
tert-Butylbenzene	98-06-6	ug/l	48	289	48			--	2.2 U
Tetrachloroethylene	127-18-4	ug/l	790	4700	790			--	2.3 U
Toluene	108-88-3	ug/l	1450	8700	1450			--	1.6 U
trans-1,2-Dichloroethylene	156-60-5	ug/l	22000	66000	22000			--	2.4 U
trans-1,3-Dichloropropene	10061-02-6	ug/l						--	1.6 U
Trichloroethylene	79-01-6	ug/l	555	3331	555			--	2.4 U
Trichlorofluoromethane	75-69-4	ug/l	871	5225	871			--	3.8 U
Vinyl chloride	75-01-4	ug/l	2820	16900	2820			--	4 U
Xylene (total)	1330-20-7	ug/l	1340	4020	1340			--	4.3 U

				TCEQ Risk-Based Exposure Limits		EPA National Recommended Water Quality Criteria			
Analyte	CAS.NO	Units	Site Specific Value	Freshwater Acute RBEL	Freshwater Chronic RBEL	NRWQC Aquatic Life Freshwater CMC (acute)	NRWQC Aquatic Life Freshwater CCC (chronic)	Sample ID Date Type	CES-20140803 8/3/2014 Field Sample
Metals									
Aluminum	7429-90-5	mg/l	0.087	0.991	0.087	0.75	0.087	--	**0.985**
Antimony	7440-36-0	mg/l	0.16		0.16			--	**0.0019 J**
Arsenic	7440-38-2	mg/l	0.15	0.34	0.15	0.34	0.15	--	**0.0056**
Barium	7440-39-3	mg/l	16		16			--	**0.135 J**
Beryllium	7440-41-7	mg/l	0.0053	0.13	0.0053			--	**0.00033 J**
Cadmium	7440-43-9	mg/l	0.00015	0.00437	0.00015	0.002	0.00025	--	**0.00036 J**
Calcium	7440-70-2	mg/l						--	**76.7**
Chromium	7440-47-3	mg/l						--	**0.0122**
Cobalt	7440-48-4	mg/l	1.5	45	1.5			--	**0.0028 J**
Copper	7440-50-8	mg/l	0.00524	0.00739	0.00524			--	**0.0044 J**
Iron	7439-89-6	mg/l	1		1		1	--	**6.37**
Lead	7439-92-1	mg/l	0.00117	0.03014	0.00117	0.065	0.0025	--	**0.0056**
Magnesium	7439-95-4	mg/l	3.235	19.41	3.235			--	**8.15**
Manganese	7439-96-5	mg/l	0.12		0.12			--	**0.878**
Nickel	7440-02-0	mg/l	0.02893	0.2605	0.02893	0.47	0.052	--	**0.056**
Potassium	7440-09-7	mg/l						--	**7.67**
Selenium	7782-49-2	mg/l	0.005	0.02	0.005		0.005	--	**0.0063**
Sodium	7440-23-5	mg/l						--	**152**
Vanadium	7440-62-2	mg/l						--	**0.0046 J**
Zinc	7440-66-6	mg/l	0.06513	0.06513	0.06566	0.12	0.12	--	**0.0477**
PCBs									
Pesticides									
alpha-Chlordane	5103-71-9	ug/l						--	**0.014 J**
delta-BHC	319-86-8	ug/l	141	249	141			--	**0.018 J**
Endosulfan sulfate	1031-07-8	ug/l	0.056	0.22	0.056			--	**0.026 J**
SVOCs									
1-Methylnaphthalene	90-12-0	ug/l	2.1		2.1			--	**1.5 J**
2,4-Dimethylphenol	105-67-9	ug/l	105	630	105			--	**5 J**
2-Methylnaphthalene	91-57-6	ug/l	63	380	63			--	**1.7 J**
2-Methylphenol	95-48-7	ug/l	560	3360	560			--	**12.3**
3&4-Methylphenol	NA	ug/l						--	**39.8**
Benzoic Acid	65-85-0	ug/l	9000	54000	9000			--	**44.3**
Benzyl Alcohol	100-51-6	ug/l	8.6		8.6			--	**6.1**
Phenol	108-95-2	ug/l	110		110			--	**70.4**

VOCs									
Acetone	67-64-1	ug/l	101200	607400	101200			--	**371**
Methyl ethyl ketone	78-93-3	ug/l	42400	254420	42400			--	**399**

				EPA Regional Screening Levels		TCEQ Effects Screening Levels		TCEQ Air Monitoring Comparison Values				
Analyte	CAS.NO	Units	Site Specific Value	Residential Air RSL (HI = 1)	Residential Air RSL (HI = 0.1)	Short-term ESL	Long-term ESL	Short Term Health AMCV	Long Term Health AMCV	Sample ID Date Type	CES-CS-SUMMA-01 8/6/2014 Field Sample	CES-CS-SUMMA-02 8/6/2014 Field Sample
VOCs												
1,1,1-Trichloroethane	71-55-6	ug/m3	520	5200	520	2800	1500			--	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	0.048	0.048	0.048	70	7			--	1.3 U	1.2 U
1,1,2-Trichloroethane	79-00-5	ug/m3	0.021	0.18	0.021	550	55			--	1 U	1 U
1,1-Dichloroethane	75-34-3	ug/m3	1.8	1.8	1.8	4000	400			--	0.76 U	0.74 U
1,1-Dichloroethene	75-35-4	ug/m3	21	210	21	210	100			--	0.74 U	0.72 U
1,2,4-Trichlorobenzene	120-82-1	ug/m3	0.21	2.1	0.21	50	5			--	6.9 U	6.8 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	0.73	7.3	0.73	700	125			--	0.92 U	0.9 U
1,2-Dibromoethane (EDB)	106-93-4	ug/m3	0.0047	0.0047	0.0047	4	0.4			--	1.4 U	1.4 U
1,2-Dichlorobenzene	95-50-1	ug/m3	21	210	21	600	60			--	1.1 U	1.1 U
1,2-Dichloroethane	107-06-2	ug/m3	0.11	0.11	0.11	16	4			--	0.76 U	0.74 U
1,2-Dichloropropane	78-87-5	ug/m3	0.28	0.28	0.28	460	46			--	0.86 U	0.84 U
1,3,5-Trimethylbenzene	108-67-8	ug/m3	125			1250	125			--	0.92 U	0.9 U
1,3-Butadiene	106-99-0	ug/m3	0.094	0.094	0.094	510	9.9			--	0.41 U	0.4 U
1,3-Dichlorobenzene	541-73-1	ug/m3	60			600	60			--	1.1 U	1.1 U
1,4-Dichlorobenzene	106-46-7	ug/m3	0.26	0.26	0.26	720	160			--	1.1 U	1.1 U
1,4-Dioxane	123-91-1	ug/m3	0.56	0.56	0.56	900	90			--	0.67 U	0.66 U
2,2,4-Trimethylpentane	540-84-1	ug/m3	350			3130	350			--	4.4 U	4.3 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ug/m3	520	5200	520	1300	2600			--	2.8 U	2.7 U
2-Hexanone	591-78-6	ug/m3	3.1	31	3.1	40	4			--	3.8 U	3.7 U
2-Propanol	67-63-0	ug/m3	492	7300	730	4920	492			--	2.3 U	2.2 U
3-Chloropropene	107-05-1	ug/m3	0.1	0.47	0.1	30	3			--	2.9 U	2.9 U
4-Ethyltoluene	622-96-8	ug/m3	41			41	125	1250		--	0.92 U	0.9 U
4-Methyl-2-pentanone	108-10-1	ug/m3	82	3100	310	700	82			--	0.77 U	0.75 U
Acetone	67-64-1	ug/m3	3200	32000	3200	7800	4800			--	**9.7**	**13**
alpha-Chlorotoluene	100-44-7	ug/m3	0.057	0.057	0.057	50	5			--	0.97 U	0.95 U
Benzene	71-43-2	ug/m3	0.36	0.36	0.36	170	4.5			--	0.6 U	0.58 U
Bromodichloromethane	75-27-4	ug/m3	0.076	0.076	0.076	700	70			--	1.2 U	1.2 U
Bromoform	75-25-2	ug/m3	2.6	2.6	2.6	50	5			--	1.9 U	1.9 U
Bromomethane	74-83-9	ug/m3	0.52	5.2	0.52	120	12			--	3.6 U	3.6 U
Carbon Disulfide	75-15-0	ug/m3	3	730	73	30	3			--	2.9 U	2.8 U
Carbon Tetrachloride	56-23-5	ug/m3	0.47	0.47	0.47	130	13			--	1.2 U	1.2 U
Chlorobenzene	108-90-7	ug/m3	5.2	52	5.2	460	46			--	0.86 U	0.84 U
Chloroethane	75-00-3	ug/m3	50	10000	1000	500	50			--	2.5 U	2.4 U
Chloroform	67-66-3	ug/m3	0.12	0.12	0.12	100	10			--	0.91 U	0.89 U
Chloromethane	74-87-3	ug/m3	9.4	94	9.4	1030	103			--	1.9 U	1.9 U
cis-1,2-Dichloroethene	156-59-2	ug/m3								--	0.74 U	0.72 U
cis-1,3-Dichloropropene	10061-01-5	ug/m3	4.5			45	4.5			--	0.85 U	0.83 U
Cumene	98-82-8	ug/m3	42	420	42	230	250			--	0.92 U	0.9 U
Cyclohexane	110-82-7	ug/m3	340	6300	630	3400	340			--	0.64 U	0.63 U
Dibromochloromethane	124-48-1	ug/m3	0.1	0.1	0.1	700	70			--	1.6 U	1.6 U
Ethanol	64-17-5	ug/m3	1880			1910	1880			--	**3.3**	**3.4**
Ethyl Benzene	100-41-4	ug/m3	1.1	1.1	1.1	740	570			--	0.81 U	0.79 U
Freon 11	75-69-4	ug/m3	73	730	73	28000	5600			--	**1.3**	**1.5**
Freon 113	76-13-1	ug/m3	3100	31000	3100	38000	3800			--	1.4 U	1.4 U

Freon 114	76-14-2	ug/m3	7000			70000	7000			--	1.3 U	1.3 U
Freon 12	75-71-8	ug/m3	10	100	10	50000	5000			--	**2.6**	**2.7**
Heptane	142-82-5	ug/m3	350			2750	350			--	0.77 U	0.75 U
Hexachlorobutadiene	87-68-3	ug/m3	0.13	0.13	0.13	2	0.2			--	10 U	9.8 U
Hexane	110-54-3	ug/m3	73	730	73	5300	200			--	0.66 U	0.64 U
m,p-Xylene	108-38-3/106-42-3	ug/m3								--	0.81 U	0.79 U
Methyl tert-butyl ether	1634-04-4	ug/m3	11	11	11	450	180			--	0.67 U	0.66 U
Methylene Chloride	75-09-2	ug/m3	63	100	63	3600	350			--	1.3 U	1.3 U
o-Xylene	95-47-6	ug/m3	10	100	10	1600	180			--	0.81 U	0.79 U
Propylbenzene	103-65-1	ug/m3	100	1000	100	230	250			--	0.92 U	0.9 U
Styrene	100-42-5	ug/m3	100	1000	100	110	140			--	0.8 U	0.78 U
Tetrachloroethene	127-18-4	ug/m3	4.2	11	4.2	2000	26			--	1.3 U	1.2 U
Tetrahydrofuran	109-99-9	ug/m3	150	2100	210	210	150			--	2.8 U	2.7 U
Toluene	108-88-3	ug/m3	520	5200	520	3500	1200			--	0.7 U	**1**
TPH ref. to Gasoline (MW=100)	NA	ug/m3	0.0000022	0.0094	0.0000022					--	76 U	75 U
trans-1,2-Dichloroethene	156-60-5	ug/m3	793			7930	793			--	0.74 U	0.72 U
trans-1,3-Dichloropropene	10061-02-6	ug/m3	4.5			45	4.5			--	0.85 U	0.83 U
Trichloroethene	79-01-6	ug/m3	0.21	0.48	0.21	540	54			--	1 U	0.98 U
Vinyl Chloride	75-01-4	ug/m3	0.17	0.17	0.17	20000	1.2			--	0.48 U	0.47 U
VOCs - TICs												
1,3-Butadiene, 2-methyl-	78-79-5	PPBV	2					20	2	--		**2.2 NJ**
1,4-Pentadiene	591-93-5	PPBV								--	**2.7 NJ**	
1H-Pyrazole, 4,5-dihydro-4,5-dimethyl-	28019-94-5	PPBV								--		
1-Octanol, 5,7,7-trimethyl-2-(1,3,3-trim	36400-98-3	PPBV								--		
1-Silacyclo-3-pentene	7049-25-4	PPBV								--		
2,3-Butanedione	431-03-8	PPBV								--		
2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexa	1000283-20-9	PPBV								--		
2-Propyl-1-pentanol	58175-57-8	PPBV								--		
3-Cyclohexene-1-carboxylic acid, methyl	6493-77-2	PPBV								--		
Acetaldehyde	75-07-0	PPBV								--	**1.2 NJ**	**1.4 NJ**
Benzene, 1,2,4,5-tetramethyl-	95-93-2	PPBV								--		
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	PPBV								--		
Butane, 2-methyl-	78-78-4	PPBV	8000					68000	8000	--		**1 NJ**
Decahydro-4,4,8,9,10-pentamethylnaphthal	80655-44-3	PPBV								--		
Diethyl disulfide	110-81-6	PPBV								--		
Di-tert-butyl disulfide	110-06-5	PPBV								--		
Heptane, 2,2,4,6,6-pentamethyl-	13475-82-6	PPBV								--		
Methyl ethyl disulfide	20333-39-5	PPBV								--		

				EPA Regional Screening Levels		TCEQ Effects Screening Levels		TCEQ Air Monitoring Comparison Values				
Analyte	CAS.NO	Units	Site Specific Value	Residential Air RSL (HI = 1)	Residential Air RSL (HI = 0.1)	Short-term ESL	Long-term ESL	Short Term Health AMCV	Long Term Health AMCV	Sample ID Date Type	CES-CS-SUMMA-01 8/6/2014 Field Sample	CES-CS-SUMMA-02 8/6/2014 Field Sample
VOCs												
Acetone	67-64-1	ug/m3	3200	32000	3200	7800	4800			--	**9.7**	**13**
Ethanol	64-17-5	ug/m3	1880			1910	1880			--	**3.3**	**3.4**
Freon 11	75-69-4	ug/m3	73	730	73	28000	5600			--	**1.3**	**1.5**
Freon 12	75-71-8	ug/m3	10	100	10	50000	5000			--	**2.6**	**2.7**
Toluene	108-88-3	ug/m3	520	5200	520	3500	1200			--	0.7 U	**1**
VOCs - TICs												
1,3-Butadiene, 2-methyl-	78-79-5	PPBV	2					20	2	--		**2.2 NJ**
1,4-Pentadiene	591-93-5	PPBV								--	**2.7 NJ**	
Acetaldehyde	75-07-0	PPBV								--	**1.2 NJ**	**1.4 NJ**
Butane, 2-methyl-	78-78-4	PPBV	8000					68000	8000	--		**1 NJ**

				EPA Regional Screening Levels		TCEQ Effects Screening Levels		TCEQ Air Monitoring Comparison Values				
Analyte	CAS.NO	Units	Site Specific Value	Industrial Air RSL (HI = 1)	Industrial Air RSL (HI = 0.1)	Short-term ESL	Long-term ESL	Short Term Health AMCV	Long Term Health AMCV	Sample ID Date Type	CES-CS-SUMMA-03 8/6/2014 Field Sample	CES-CS-SUMMA-04 8/6/2014 Field Sample
VOCs												
1,1,1-Trichloroethane	71-55-6	ug/m3	1500	22000	2200	2800	1500			--	0.95 U	0.98 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	0.21	0.21	0.21	70	7			--	1.2 U	1.2 U
1,1,2-Trichloroethane	79-00-5	ug/m3	0.088	0.77	0.088	550	55			--	0.95 U	0.98 U
1,1-Dichloroethane	75-34-3	ug/m3	7.7	7.7	7.7	4000	400			--	0.71 U	0.72 U
1,1-Dichloroethene	75-35-4	ug/m3	88	880	88	210	100			--	0.69 U	0.71 U
1,2,4-Trichlorobenzene	120-82-1	ug/m3	0.88	8.8	0.88	50	5			--	6.5 U	6.6 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	3.1	31	3.1	700	125			--	**2**	**2.6**
1,2-Dibromoethane (EDB)	106-93-4	ug/m3	0.02	0.02	0.02	4	0.4			--	1.3 U	1.4 U
1,2-Dichlorobenzene	95-50-1	ug/m3	60	880	88	600	60			--	1 U	1.1 U
1,2-Dichloroethane	107-06-2	ug/m3	0.47	0.47	0.47	16	4			--	0.71 U	0.72 U
1,2-Dichloropropane	78-87-5	ug/m3	1.2	1.2	1.2	460	46			--	0.81 U	0.83 U
1,3,5-Trimethylbenzene	108-67-8	ug/m3	125			1250	125			--	0.86 U	0.88 U
1,3-Butadiene	106-99-0	ug/m3	0.41	0.41	0.41	510	9.9			--	0.39 U	0.4 U
1,3-Dichlorobenzene	541-73-1	ug/m3	60			600	60			--	1 U	1.1 U
1,4-Dichlorobenzene	106-46-7	ug/m3	1.1	1.1	1.1	720	160			--	1 U	1.1 U
1,4-Dioxane	123-91-1	ug/m3	2.5	2.5	2.5	900	90			--	0.63 U	**1.4**
2,2,4-Trimethylpentane	540-84-1	ug/m3	350			3130	350			--	4.1 U	4.2 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ug/m3	1300	22000	2200	1300	2600			--	2.6 U	**2.8**
2-Hexanone	591-78-6	ug/m3	4	130	13	40	4			--	3.6 U	3.7 U
2-Propanol	67-63-0	ug/m3	492	31000	3100	4920	492			--	2.2 U	2.2 U
3-Chloropropene	107-05-1	ug/m3	0.44	2	0.44	30	3			--	2.7 U	2.8 U
4-Ethyltoluene	622-96-8	ug/m3	41			41	125	1250		--	**1.2**	**1.5**
4-Methyl-2-pentanone	108-10-1	ug/m3	82	13000	1300	700	82			--	0.72 U	0.73 U
Acetone	67-64-1	ug/m3	4800	140000	14000	7800	4800			--	**14**	**24**
alpha-Chlorotoluene	100-44-7	ug/m3	0.25	0.25	0.25	50	5			--	0.9 U	0.93 U
Benzene	71-43-2	ug/m3	1.6	1.6	1.6	170	4.5			--	0.56 U	**0.78**
Bromodichloromethane	75-27-4	ug/m3	0.33	0.33	0.33	700	70			--	1.2 U	1.2 U
Bromoform	75-25-2	ug/m3	5	11	11	50	5			--	1.8 U	1.8 U
Bromomethane	74-83-9	ug/m3	2.2	22	2.2	120	12			--	3.4 U	3.5 U
Carbon Disulfide	75-15-0	ug/m3	3	3100	310	30	3			--	2.7 U	2.8 U
Carbon Tetrachloride	56-23-5	ug/m3	2	2	2	130	13			--	1.1 U	1.1 U
Chlorobenzene	108-90-7	ug/m3	22	220	22	460	46			--	0.8 U	0.82 U
Chloroethane	75-00-3	ug/m3	50	44000	4400	500	50			--	2.3 U	2.4 U
Chloroform	67-66-3	ug/m3	0.53	0.53	0.53	100	10			--	0.85 U	0.87 U
Chloromethane	74-87-3	ug/m3	39	390	39	1030	103			--	1.8 U	**3.5**
cis-1,2-Dichloroethene	156-59-2	ug/m3								--	0.69 U	0.71 U
cis-1,3-Dichloropropene	10061-01-5	ug/m3	4.5			45	4.5			--	0.79 U	0.81 U
Cumene	98-82-8	ug/m3	180	1800	180	230	250			--	0.86 U	0.88 U
Cyclohexane	110-82-7	ug/m3	340	26000	2600	3400	340			--	0.6 U	0.62 U
Dibromochloromethane	124-48-1	ug/m3	0.45	0.45	0.45	700	70			--	1.5 U	1.5 U
Ethanol	64-17-5	ug/m3	1880			1910	1880			--	**7.4**	**4.1**
Ethyl Benzene	100-41-4	ug/m3	4.9	4.9	4.9	740	570			--	**1.1**	**1.7**
Freon 11	75-69-4	ug/m3	310	3100	310	28000	5600			--	**1.4**	**1.4**
Freon 113	76-13-1	ug/m3	3800	130000	13000	38000	3800			--	1.3 U	1.4 U
Freon 114	76-14-2	ug/m3	7000			70000	7000			--	1.2 U	1.2 U

Freon 12	75-71-8	ug/m3	44	440	44	50000	5000			--	**2.7**	**2.4**
Heptane	142-82-5	ug/m3	350			2750	350			--	0.72 U	**0.76**
Hexachlorobutadiene	87-68-3	ug/m3	0.2	0.56	0.56	2	0.2			--	9.3 U	9.5 U
Hexane	110-54-3	ug/m3	200	3100	310	5300	200			--	0.62 U	0.63 U
m,p-Xylene	108-38-3/106-42-3	ug/m3								--	**4.2**	**6.7**
Methyl tert-butyl ether	1634-04-4	ug/m3	47	47	47	450	180			--	0.63 U	0.64 U
Methylene Chloride	75-09-2	ug/m3	260	1200	260	3600	350			--	1.2 U	1.2 U
o-Xylene	95-47-6	ug/m3	44	440	44	1600	180			--	**1.4**	**2**
Propylbenzene	103-65-1	ug/m3	230	4400	440	230	250			--	0.86 U	0.88 U
Styrene	100-42-5	ug/m3	110	4400	440	110	140			--	0.74 U	0.76 U
Tetrachloroethene	127-18-4	ug/m3	18	47	18	2000	26			--	1.2 U	1.2 U
Tetrahydrofuran	109-99-9	ug/m3	150	8800	880	210	150			--	2.6 U	2.6 U
Toluene	108-88-3	ug/m3	1200	22000	2200	3500	1200			--	**7.2**	**3.8**
TPH ref. to Gasoline (MW=100)	NA	ug/m3	0.041	130	0.041					--	**98**	**410**
trans-1,2-Dichloroethene	156-60-5	ug/m3	793			7930	793			--	0.69 U	0.71 U
trans-1,3-Dichloropropene	10061-02-6	ug/m3	4.5			45	4.5			--	0.79 U	0.81 U
Trichloroethene	79-01-6	ug/m3	0.88	3	0.88	540	54			--	0.94 U	0.96 U
Vinyl Chloride	75-01-4	ug/m3	1.2	2.8	2.8	20000	1.2			--	0.45 U	0.46 U
VOCs - TICs												
1,3-Butadiene, 2-methyl-	78-79-5	PPBV	2					20	2	--		
1,4-Pentadiene	591-93-5	PPBV								--		
1H-Pyrazole, 4,5-dihydro-4,5-dimethyl-	28019-94-5	PPBV								--		**3.1 NJ**
1-Octanol, 5,7,7-trimethyl-2-(1,3,3-trim	36400-98-3	PPBV								--		**3.6 NJ**
1-Silacyclo-3-pentene	7049-25-4	PPBV								--		**2.2 NJ**
2,3-Butanedione	431-03-8	PPBV								--		**1.9 NJ**
2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexa	1000283-20-9	PPBV								--		**1.6 NJ**
2-Propyl-1-pentanol	58175-57-8	PPBV								--		**2.7 NJ**
3-Cyclohexene-1-carboxylic acid, methyl	6493-77-2	PPBV								--		**7 NJ**
Acetaldehyde	75-07-0	PPBV								--	**1.5 NJ**	**2.6 NJ**
Benzene, 1,2,4,5-tetramethyl-	95-93-2	PPBV								--	**1.6 NJ**	
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	PPBV								--		**2.2 NJ**
Butane, 2-methyl-	78-78-4	PPBV	8000					68000	8000	--		
Decahydro-4,4,8,9,10-pentamethylnaphthal	80655-44-3	PPBV								--		**6.6 NJ**
Diethyl disulfide	110-81-6	PPBV								--	**1.3 NJ**	
Di-tert-butyl disulfide	110-06-5	PPBV								--	**1.5 NJ**	
Heptane, 2,2,4,6,6-pentamethyl-	13475-82-6	PPBV								--	**2.1 NJ**	
Methyl ethyl disulfide	20333-39-5	PPBV								--	**0.88 NJ**	

				EPA Regional Screening Levels		TCEQ Effects Screening Levels		TCEQ Air Monitoring Comparison Values				
Analyte	CAS.NO	Units	Site Specific Value	Industrial Air RSL (HI = 1)	Industrial Air RSL (HI = 0.1)	Short-term ESL	Long-term ESL	Short Term Health AMCV	Long Term Health AMCV	Sample ID Date Type	CES-CS-SUMMA-03 8/6/2014 Field Sample	CES-CS-SUMMA-04 8/6/2014 Field Sample
VOCs												
1,2,4-Trimethylbenzene	95-63-6	ug/m3	3.1	31	3.1	700	125			--	**2**	**2.6**
1,4-Dioxane	123-91-1	ug/m3	2.5	2.5	2.5	900	90			--	0.63 U	**1.4**
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ug/m3	1300	22000	2200	1300	2600			--	2.6 U	**2.8**
4-Ethyltoluene	622-96-8	ug/m3	41			41	125	1250		--	**1.2**	**1.5**
Acetone	67-64-1	ug/m3	4800	140000	14000	7800	4800			--	**14**	**24**
Benzene	71-43-2	ug/m3	1.6	1.6	1.6	170	4.5			--	0.56 U	**0.78**
Chloromethane	74-87-3	ug/m3	39	390	39	1030	103			--	1.8 U	**3.5**
Ethanol	64-17-5	ug/m3	1880			1910	1880			--	**7.4**	**4.1**
Ethyl Benzene	100-41-4	ug/m3	4.9	4.9	4.9	740	570			--	**1.1**	**1.7**
Freon 11	75-69-4	ug/m3	310	3100	310	28000	5600			--	**1.4**	**1.4**
Freon 12	75-71-8	ug/m3	44	440	44	50000	5000			--	**2.7**	**2.4**
Heptane	142-82-5	ug/m3	350			2750	350			--	0.72 U	**0.76**
m,p-Xylene	108-38-3/106-42-3	ug/m3								--	**4.2**	**6.7**
o-Xylene	95-47-6	ug/m3	44	440	44	1600	180			--	**1.4**	**2**
Toluene	108-88-3	ug/m3	1200	22000	2200	3500	1200			--	**7.2**	**3.8**
TPH ref. to Gasoline (MW=100)	NA	ug/m3	0.041	130	0.041					--	**98**	**410**
VOCs - TICs												
1H-Pyrazole, 4,5-dihydro-4,5-dimethyl-	28019-94-5	PPBV								--		**3.1 NJ**
1-Octanol, 5,7,7-trimethyl-2-(1,3,3-trim	36400-98-3	PPBV								--		**3.6 NJ**
1-Silacyclo-3-pentene	7049-25-4	PPBV								--		**2.2 NJ**
2,3-Butanedione	431-03-8	PPBV								--		**1.9 NJ**
2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexa	1000283-20-9	PPBV								--		**1.6 NJ**
2-Propyl-1-pentanol	58175-57-8	PPBV								--		**2.7 NJ**
3-Cyclohexene-1-carboxylic acid, methyl	6493-77-2	PPBV								--		**7 NJ**
Acetaldehyde	75-07-0	PPBV								--	**1.5 NJ**	**2.6 NJ**
Benzene, 1,2,4,5-tetramethyl-	95-93-2	PPBV								--	**1.6 NJ**	
Benzene, 1-methyl-4-(1-methylethyl)-	99-87-6	PPBV								--		**2.2 NJ**
Decahydro-4,4,8,9,10-pentamethylnaphthal	80655-44-3	PPBV								--		**6.6 NJ**
Diethyl disulfide	110-81-6	PPBV								--	**1.3 NJ**	
Di-tert-butyl disulfide	110-06-5	PPBV								--	**1.5 NJ**	
Heptane, 2,2,4,6,6-pentamethyl-	13475-82-6	PPBV								--	**2.1 NJ**	
Methyl ethyl disulfide	20333-39-5	PPBV								--	**0.88 NJ**	