PST Program Action Levels[1,2,3]

CHEMICALS of CONCERN (COCs)	SURFACE SOIL 0-15 ft (mg/kg)	SUBSURFACE SOIL >15 ft (mg/kg)	GROUNDWATER (mg/L)
Volatile Organic Compounds (VOCs)			
Benzene	0.12	0.12	0.005
Ethylbenzene	36.8	36.8	0.7
Toluene	39.1	39.1	1
Xylenes (total)	117	117	10
Oxygenates			
Methyl tert-butyl ether (MTBE)	2.56	2.56	0.240
Polycyclic Aromatic Hydrocarbons (PAHs)			
Acenaphthene	34.1	34.1	2.19
Acenaphthylene	54.7	54.7	2.19
Anthracene	2.04	2.04	11
Benz-a-anthracene	6.37	7.10	0.000852
Benzo-a-pyrene	0.639	3.09	0.0002
Benzo-b-fluoranthene	3.61	3.61	0.000852
Benzo-g,h,i-perylene	0.824	0.824	1.10
Benzo-k-fluoranthene	1.35	1.35	0.00852
Chrysene	1.24	1.24	0.0852
Dibenz-a,h-anthracene	0.640	1.91	0.0002
Fluoranthene	25.5	25.5	1.46
Fluorene	30.2	30.2	1.46
Indeno-1,2,3-cd-pyrene	6.4	26.0	0.000852
Naphthalene	99.7	99.7	0.73
Phenanthrene	28.2	28.2	1.1
Pyrene	10.3	10.3	1.1
Total Petroleum Hydrocarbons (TPHs)			
No action levels for TPHs. TPH concentrations used for PAH screening purposes only.[3]			

1. The action level for each COC is the lowest applicable health-based or groundwater protective target concentration for the COC. For COCs not listed, contact the TCEQ PST Program.
2. The action levels in this table do not apply, and the site will be assigned an ID number, when surface water is impacted or threatened by the release; a water well or surface water intake is impacted or threatened; buildings or utilities are impacted with vapors; nuisance conditions such as odors, discoloration, or taste degradation to water supplies are known or suspected; or non-aqueous phase liquid (NAPL) is present.
3. TPH testing is used only to screen for PAHs and is required for all initial release determination activities. No LPST ID number will be assigned based on TPH alone. For each separate source area where TPH of greater than C12 is detected, the sample with the highest TPH >C12 concentration must be tested for PAHs.