



DIVISION OF

UNDERGROUND STORAGE TANKS

INITIAL SCREENING LEVELS (ISLs)

Control Number UST-G-3-ISLs-102722

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UST-G-03-ISLs-102722
Initial Screening Levels

SIGNATURES:

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REVISION HISTORY TABLE

Revision Number	Date	Brief Summary of Change
0	07/01/2005	Issuance of Guidance: UST System Closure Assessment Guidelines
1	12/01/2005	Revision of UST System Closure Assessment Guidelines
2	09/01/2006	Revision of UST System Closure Assessment Guidelines
3	10/27/2022	Revision of ISLs to: include EDB and EDC, correct spelling of Dibenz(a,h)anthracene, and reference surface water screening levels



INITIAL SCREENING LEVELS

CHEMICALS OF CONCERN	Subsurface Soil		Groundwater	
	Residential* (ppm)	Commercial* (ppm)	Drinking Water or Unknown (ppm)	Non-Drinking Water (ppm)
**EPH	500	500	NA	NA
Benzene	0.0729	3.80	0.005	0.072
Toluene	6.78	62.2	1	4.31
Ethylbenzene	143	1310	0.7	10.3
Xylenes (Total)	9.60	88.0	10	3.57
Methyl-tert-butyl-ether (MtBE)	39.6	364	0.02	175
Acenaphthene	NA	NA	0.939	NA
Acenaphthylene	NA	NA	0.939	NA
Anthracene	NA	NA	0.0434	NA
Benzo(a)anthracene	NA	NA	0.00117	NA
Benzo(a)pyrene	NA	NA	0.0002	NA
Benzo(b)fluoranthene	NA	NA	0.00117	NA
Benzo(g,h,i)perylene	NA	NA	0.0007	NA
Benzo(k)fluoranthene	NA	NA	0.0008	NA
Chrysene	NA	NA	0.0016	NA
Dibenz(a,h)anthracene	NA	NA	0.000117	NA
Ethylene Dibromide (EDB)	0.18	1.05	0.00005	0.0855
Ethylene Dichloride (EDC)	0.00755	0.0166	0.005	0.0267
Fluoranthene	NA	NA	0.206	NA
Fluorene	NA	NA	0.626	NA
Indeno(1,2,3-c,d)pyrene	NA	NA	0.00117	NA
Naphthalene	135	403	0.02	9.81
Phenanthrene	NA	NA	0.469	NA
Pyrene	NA	NA	0.135	NA
Cadmium	NA	NA	0.005	NA
Chromium	NA	NA	0.1	NA
Lead	NA	NA	0.015	NA
Silver	NA	NA	0.1	NA
Zinc	NA	NA	5	NA

NA = Not Applicable

* Based on current and reasonable future use, residential or commercial, of the property or properties.

** EPH is used as a soil screening mechanism for the potential installation of a monitoring well only.

For surface water please refer to General Water Quality Criteria Rule 0400-40-03-.03