

NDEP Reportable Concentrations for Common Soil Contaminants

Version: 4/25/2025

Analyte	CAS No.	Reportable Concentration (mg/kg) ¹	Basis
Total Petroleum Hydrocarbons²			
Total Petroleum Hydrocarbons	--	100	NDEP Derived Concentration
Common VOCs³			
Benzene	71-43-2	0.00023	Risk-based SSL
Toluene	108-88-3	0.69	MCL-based SSL
Ethylbenzene	100-41-4	0.0017	Risk-based SSL
Xylenes	1330-20-7	0.19	Risk-based SSL
Methyl tert-Butyl Ether (MTBE)	1634-04-4	0.0032	Risk-based SSL
Diisopropyl Ether (DIPE)	108-20-3	0.37	Risk-based SSL
Ethyl Tertiary Butyl Ether (ETBE)	637-92-3	0.017	Risk-based SSL
Tert-Butyl Acetate (TBA)	540-88-5	0.00076	Risk-based SSL
Tetrachloroethylene (PCE)	127-18-4	0.0023	MCL-based SSL
Trichloroethylene (TCE)	79-01-6	0.0002	Risk-based SSL
Dichloroethylene, cis-1,2- (cis-1,2-DCE)	156-59-2	0.0074	Risk-based SSL
Dichloroethylene, trans-1,2- (trans-1,2-DCE)	156-60-5	0.021	Risk-based SSL
Vinyl Chloride	75-01-4	0.0000065	Risk-based SSL
Carbon Tetrachloride	56-23-5	0.00018	Risk-based SSL
PAHs			
Benz[a]anthracene	56-55-3	0.011	Risk-based SSL
Benzo[a]pyrene	50-32-8	0.029	Risk-based SSL
Naphthalene	91-20-3	0.00038	Risk-based SSL
Metals⁴			
Arsenic, Inorganic	7440-38-2	0.0015	Risk-based SSL
Chromium, Total	7440-47-3	180,000	MCL-based SSL
Cobalt	7440-48-4	0.27	Risk-based SSL
Copper	7440-50-8	28	Risk-based SSL
Lead and Compounds	7439-92-1	9.0	MCL-based SSL
Manganese (Non-diet)	7439-96-5	28	Risk-based SSL
Mercury (elemental)	7439-97-6	0.033	Risk-based SSL
Selenium	7782-49-2	0.26	MCL-based SSL
Silver	7440-22-4	0.80	Risk-based SSL
Zinc and Compounds	7440-66-6	370	Risk-based SSL
Miscellaneous⁵			
Ethylene Glycol	107-21-1	3.2	Risk-based SSL
Perchlorate and Perchlorate Salts	14797-73-0	55	EPA RSL, Residential Soil
Propylene Glycol	57-55-6	81	Risk-based SSL

Notes:

¹ The values shown in this table represent those published in the November 2024 version of the United States Environmental Protection Agency (US EPA) "Regional Screening Levels – Generic Tables" using a target cancer risk (TR) of 1E-6 and a target hazard quotient (THQ) of 1.0. For each analyte, the most restrictive soil action level is used as the default Reportable Concentration (i.e., the minimum of the Residential Soil, Industrial Soil, Risk-based SSL, and MCL-based SSL). The US EPA Regional Screening Levels are periodically updated and published on the US EPA's website (<https://www.epa.gov/risk/regional-screening-levels-rsls>). The most current version of the Regional Screening Levels should always be consulted prior to use as a Nevada State Reportable Concentration.

² The Total Petroleum Hydrocarbon (TPH) Reportable Concentration is only applicable to petroleum releases or the discovery of soil contamination that was likely the result of a petroleum release. Other substances, such as vegetable oil, bio-diesel, or vegetable based hydraulic fluids with no petroleum component, are only regulated based on threats to waters of the State, as determined by gross contamination, regardless of whether laboratory samples show a TPH signature.

³ Where the Reportable Concentration of a contaminant is based on the Soil Screening Level (Risk-based SSL or MCL-based SSL), a facility owner/operator may not make additional considerations about depth to groundwater or the presence of confining layers when determining whether the levels of a contaminant discovered in soil are reportable; the Reportable Concentration must be used as is.

⁴ A facility owner/operator is not required to make notification if metal concentrations are within an appropriately determined background, irrespective of their discovery above the Reportable Concentration.

⁵ The selection of these miscellaneous contaminants for this table does not signify that a facility owner/operator must sample for these or that sampling should be limited to these.