

TABLE 2A
Screening of Organic Chemicals in RZ-A Using LBCLs and LSSLs

Parameter of Interest	Chemical Name	Count	Detection Count	Detection Frequency	Maximum Detection (mg/kg)	Count of Detections Above RBGC in Groundwater ⁴	LBCL (DAF 1) ⁶ (mg/kg)	Detects >LBCL (DAF 1)	LBCL (DAF 20) ⁶ (mg/kg)	Detects >LBCL (DAF 20)	LSSL ³ (mg/kg)	Total Detections >LSSL ⁵
Organochlorine Pesticides	Beta-BHC	42	10	24%	0.013	8	1.0E-04	10	2.0E-03	5	1.7E-03	7
SVOCs	Hexachlorobenzene	68	9	13%	0.23	0	1.0E-01	1	2.0E+00	0	4.9E+00	0
VOCs	Methylene chloride	64	11	17%	0.0013	4	1.0E-03	1	2.0E-02	0	3.5E-01	0
	Tetrachloroethene	64	5	8%	0.0038	4	3.0E-03	1	6.0E-02	0	NC	--

Notes:

- 1 - Shading indicates that the chemical is screened out from further evaluation.
- 2 - Chemicals shown which have at least one detection above the LBCL (DAF 1).
- 3 - LSSLs are calculated for chemicals with at least one detection greater than the LBCL (DAF=20) in any remediation zone. They are based on an infiltration=0.14 ft/y and an foc=0.001.
- 4 - Groundwater exceedances are based on the highest result from each well sampled during Sitewide Phase B investigations.
- 5 - Soil statistics use Phase A and Phase B investigation data from the quaternary alluvium. Normal environmental samples and field duplicates are treated as independent samples.
- 6 - Generic LBCLs are used for chemicals without an established LBCL (See Attachment 3 Table 2B).

Abbreviations:

- DAF = Dilution attenuation factor (NDEP, 2009)
 LBCL = Leaching-based, basic comparison level (NDEP, 2009)
 LSSL = Leaching-based, site-specific level (NDEP, 2009)
 NC = LSSL not calculated
 NE = Value not established
 RBGC = Risk-based groundwater concentration
 mg/kg = milligrams per kilogram