

TABLE 2B
Screening of Organic Chemicals in RZ-B 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	Alpha-BHC	115	4	3%	0.69	29	3.0E-05	4	6.0E-04	4	2.2E-03	4
	Beta-BHC	115	24	21%	0.49	8	1.0E-04	24	2.0E-03	14	1.7E-03	16
	Gamma-BHC (Lindane)	115	2	2%	0.0067	3	5.0E-04	2	1.0E-02	0	3.3E-02	0
SVOCs	Benz(a)anthracene	219	83	38%	2.5	1	8.0E-02	11	1.6E+00	2	2.6E+01	0
	Benzo(a)pyrene	219	59	27%	3	0	4.0E-01	4	8.0E+00	0	NC	--
	Benzo(b)fluoranthene	219	64	29%	4.1	1	2.0E-01	9	4.0E+00	1	8.2E+01	0
	Benzo(k)fluoranthene	219	64	29%	3.3	0	2.0E+00	2	4.0E+01	0	NC	--
	Dibenz(a,h)anthracene	219	26	12%	0.77	1	8.0E-02	5	1.6E+00	0	NC	--
	Hexachlorobenzene	219	65	30%	3.6	0	1.0E-01	15	2.0E+00	1	4.9E+00	0
	Indeno(1,2,3-cd)pyrene	219	66	30%	2.9	1	7.0E-01	3	1.4E+01	0	NC	--
VOCs	1,1-Dichloroethene	211	8	4%	0.011	2	3.0E-03	4	6.0E-02	0	NC	--
	1,2,3-Trichloropropane	211	2	1%	0.003	7	1.3E-05	2	2.7E-04	2	7.0E-03	0
	Benzene	211	3	1%	0.014	11	2.0E-03	1	4.0E-02	0	5.1E-01	0
	Chloroform	211	78	37%	0.095	87	3.0E-02	7	6.0E-01	0	5.9E-02	2
	Methylene chloride	211	15	7%	0.0027	4	1.0E-03	6	2.0E-02	0	3.5E-01	0
	Tetrachloroethene	211	10	5%	0.035	4	3.0E-03	3	6.0E-02	0	NC	--

Notes:

- 1 - Shading indicates that the chemical is screened out from further evaluation.
- 2 - Chemicals shown that 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