TABLE 2E
Screening of Organic Chemicals in RZ-E 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	4,4'-DDE	32	23	72%	150	0	3.0E+00	6	6.0E+01	3	5.6E+02	0
	4,4'-DDT	32	19	59%	220	0	2.0E+00	6	4.0E+01	2	3.3E+02	0
	Aldrin	32	1	3%	0.61	2	2.0E-02	1	4.0E-01	1	4.2E+00	0
	Alpha-BHC	32	2	6%	2	29	3.0E-05	2	6.0E-04	2	2.2E-03	1
	Beta-BHC	32	17	53%	0.83	8	1.0E-04	17	2.0E-03	17	1.7E-03	17
	Dieldrin	32	3	9%	3.1	0	2.0E-04	3	4.0E-03	3	6.5E-02	3
	Heptachlor Epoxide	32	1	3%	0.14	5	3.0E-02	1	6.0E-01	0	NC	--
SVOCs	Benz(a)anthracene	51	14	27%	1	1	8.0E-02	3	1.6E+00	0	2.6E+01	0
	Benzo(a)pyrene	51	5	10%	0.63	0	4.0E-01	1	8.0E+00	0	NC	--
	Benzo(b)fluoranthene	51	9	18%	0.71	1	2.0E-01	3	4.0E+00	0	8.2E+01	0
	Dibenz(a,h)anthracene	51	2	4%	0.16	1	8.0E-02	1	1.6E+00	0	NC	--
	Hexachlorobenzene	51	36	71%	4.3	0	1.0E-01	20	2.0E+00	5	4.9E+00	0
VOCs	1,2,4-Trichlorobenzene	40	7	18%	39	1	3.0E-01	2	6.0E+00	2	9.1E+01	0
	Carbon tetrachloride	40	2	5%	0.071	4	3.0E-03	1	6.0E-02	1	1.5E+00	0
	Chloroform	40	30	75%	1.8	87	3.0E-02	7	6.0E-01	1	5.9E-02	4
	Methylene chloride	40	6	15%	0.0028	4	1.0E-03	2	2.0E-02	0	3.5E-01	0

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