TABLE 2C
Screening of Organic Chemicals in RZ-C 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	122	1	1%	0.0025	29	3.0E-05	1	6.0E-04	1	2.2E-03	1
	Beta-BHC	122	47	39%	1.3	8	1.0E-04	47	2.0E-03	44	1.7E-03	45
SVOCs	Benz(a)anthracene	290	50	17%	0.41	1	8.0E-02	9	1.6E+00	0	2.6E+01	0
	Benzo(a)pyrene	290	30	10%	0.45	0	4.0E-01	2	8.0E+00	0	NC	--
	Benzo(b)fluoranthene	290	37	13%	0.57	1	2.0E-01	7	4.0E+00	0	8.2E+01	0
	Dibenz(a,h)anthracene	290	16	6%	0.12	1	8.0E-02	3	1.6E+00	0	NC	--
	Hexachlorobenzene	290	111	38%	16	0	1.0E-01	43	2.0E+00	9	4.9E+00	4
VOCs	1,2-Dichloroethane	315	2	1%	0.0015	3	1.0E-03	1	2.0E-02	0	NC	--
	Acetone	315	142	45%	2.5	0	8.0E-01	2	1.6E+01	0	NC	--
	Benzene	315	6	2%	0.05	11	2.0E-03	3	4.0E-02	1	5.1E-01	0
	Bromoform	315	6	2%	0.083	1	4.0E-02	1	8.0E-01	0	NC	--
	Carbon tetrachloride	315	13	4%	0.042	4	3.0E-03	6	6.0E-02	0	1.5E+00	0
	Chloroform	315	181	57%	1.2	87	3.0E-02	35	6.0E-01	3	5.9E-02	23
	Dibromochloromethane	315	4	1%	0.038	1	2.0E-02	1	4.0E-01	0	NC	--
	Hexachlorobutadiene	315	10	3%	0.27	0	1.0E-01	1	2.0E+00	0	NC	--
	Methylene chloride	315	62	20%	0.0082	4	1.0E-03	33	2.0E-02	0	3.5E-01	0
	Tetrachloroethene	315	14	4%	0.01	4	3.0E-03	5	6.0E-02	0	NC	--
	Trichloroethene	315	11	3%	0.015	11	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