Table 1. From August 2002, Draft Remedial Investigation Report, WR Grace Superfund Site, Acton, MA, by GeoTrans, Inc

Table 3-3. Summary of compounds detected in groundwater, August 2000-June 2002.

Compound	Screening Value (ug/l)	No. Locations > Screening Value / Total No.	No. Samples > Screening Value / Total No. Samples	No. of Detections	Maximum Concentration Detected (ug/l)
VOCs					
1,1-Dichloroethene	7	62 / 209	141 / 435	230	660 *
Vinyl Chloride	2	48 / 209	114 / 435	177	200 *
Benzene	5	41 / 209	83 / 435	184	5200 *
1,2-Dichloroethane	5	9 / 209	15 / 435	55	120 *
Chloroethane	4.6 #	8 / 209	18 / 435	39	80 *
Methylene Chloride	5	6 / 209	9 / 435	18	140 *
Trichloroethene	5	5 / 209	9 / 435	33	26 *
Chloromethane	1.5 #	5 / 209	5 / 435	25	4.4 *
1,2-Dichloropropane	5	4 / 209	8 / 435	37	90 *
2-Butanone	350	2 / 209	2 / 435	27	2100 *
Methyl tert-butyl ether	70	1 / 209	1 / 435	75	190 *
Tetrachloroethene	5	1 / 209	2 / 435	4	11 *
Acetone	3000	0 / 209	0 / 435	92	1500
Toluene	1000	0 / 209	0 / 435	80	13
1,1-Dichloroethane	70	0 / 209	0 / 435	76	9.8
Xylenes (total)	10000	0 / 209	0 / 435	57	23
Ethylbenzene	700	0 / 209	0 / 435	49	440
Carbon Disulfide	100 #	0 / 209	0 / 435	39	23
cis-1,2 Dichloroethene	70	0 / 209	0 / 435	36	3.5
trans-1,2-Dichloroethene	100	0 / 209	0 / 435	22	3.6
1,1,1-Trichloroethane	200	0 / 209	0 / 435	15	98
4-Methyl-2-Pentanone	350	0 / 209	0 / 435	14	3.7
Chloroform	5	0 / 209	0 / 435	12	2.1
1,1,2-Trichloroethane	3	0 / 209	0 / 435	8	1.4
Chlorobenzene	100	0 / 209	0 / 435	6	4.4
Styrene	100	0 / 209	0 / 435	4	8.8
2-Hexanone		0 / 209	0 / 435	3	7.2
Dibromochloromethane	60	0 / 209	0 / 435	1	0.24
Bromodichloromethane	80	0 / 209	0 / 435	1	0.76
Trichlorofluoromethane	130 #	0 / 209	0 / 435	1	2.5

Table 3-3. (continued)

Compound	Screening Value (ug/l)		No. Locations > Screening Value / Total No.	No. Samples > Screening Value / Total No. Samples	No. of Detections	Maximum Concentration Detected (ug/l)	
SVOCs							
bis (2-chloroethyl) ether	0.0098	#	5 / 24	11 / 36	11	14	*
bis (2-ethylhexyl) phthalate	6		1 / 24	1 / 36	10	7.5	*
4-Methylphenol	18	#	1 / 24	1 / 36	3	20	*
Indeno (1,2,3-cd) Pyrene	0.092	#	1 / 24	1 / 36	1	0.6	*
Diethylphthalate	2900	#	0 / 24	0 / 36	12	20	
Naphthalene	140		0 / 24	0 / 36	11	9.6	
2,4-Dimethylphenol	73	#	0 / 24	0 / 36	6	14	
Di-n-butylphthalate	360	#	0 / 24	0 / 36	4	7.7	
Benzoic Acid	15000	#	0 / 24	0 / 36	3	16	
Phenol	2200	#	0 / 24	0 / 36	3	3.6	
2-Methylphenol	180	#	0 / 24	0 / 36	2	7	
Benzo (g,h,i) Perylene			0 / 24	0 / 36	1	0.56	
Metals							
Manganese	50		158 / 194	177 / 216	212	13000	*
Iron	300		142 / 194	154 / 220	182	91200	*
Sodium	20000		83 / 194	89 / 216	215	1740000	*
Arsenic	10		41 / 194	48 / 220	63	1240	*
Thallium	0.5		21 / 194	22 / 216	22	21.6	*
Aluminum	3600	#	12 / 194	12 / 216	110	35400	*
Lead	15		6 / 194	6 / 220	33	144	*
Chromium	50		4 / 194	4 / 220	63	5150	*
Nickel	100		3 / 194	3 / 220	129	945	*
Vanadium	26	#	2 / 194	2 / 216	31	39.8	*
Antimony	6		2 / 194	2 / 216	8	75.7	*
Cobalt	220	#	1 / 194	1 / 216	100	1230	*
Beryllium	4		1 / 194	1 / 220	48	8.3	*
Selenium	10		1 / 194	1 / 216	20	16.3	*
Calcium			0 / 194	0 / 216	216	440000	
Magnesium			0 / 194	0 / 216	213	166000	

Table 3-3. (continued)

Compound	Screening Value (ug/l)	No. Locations > Screening Value / Total No.	No. Samples > Screening Value / Total No. Samples	No. of Detections	Maximum Concentration Detected (ug/l)
Potassium		0 / 194	0 / 216	213	41300
Barium	1000	0 / 194	0 / 216	203	564
Zinc	5000	0 / 194	0 / 220	102	988
Copper	1000	0 / 194	0 / 220	51	450
Cadmium	5	0 / 194	0 / 220	32	4.3
Silver	50	0 / 194	0 / 216	20	6.2
Cyanide	200	0 / 182	0 / 198	1	5.9

Concentrations in µg/L.
- Compound does not have ARAR. US EPA Region 9 preliminary remediation goal (PRG) used as screening value for carcinogenic compounds, and 0.1 x PRG used for non-carcinogenic compounds. See Table 3-2 for details.
* - Compound detected above Screening Value.