

APPENDIX C

WATER LEVEL AND SLUG TEST DATA

**Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington**

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
Groundwater Levels					
MW-1	33.45	04/17/95	12:14	4.70	28.75
		09/07/95	NR	6.24	27.21
		11/10/95	NR	5.86	27.59
		12/07/95	NR	5.13	28.32
		01/29/96	NR	4.57	28.88
		09/04/96	13:50	6.04	27.41
		10/11/96	11:00	6.04	27.41
		11/06/96	9:25	5.53	27.92
		12/10/96	10:55	4.46	28.99
		01/10/97	NR	4.20	29.25
		02/21/97	12:45	4.33	29.12
		03/04/97	9:55	4.33	29.12
		06/27/97	10:57	4.81	28.64
		09/04/97	11:08	5.63	27.82
		12/22/97	8:46	4.82	28.63
		03/06/98	10:03	4.50	28.95
		06/18/98	9:19	5.02	28.43
		09/29/98	9:25	6.52	26.93
		12/15/98	9:45	4.78	28.67
		01/07/99	9:02	4.33	29.12
		01/13/99	9:29	4.35	29.10
	03/02/99	12:43	3.60	29.85	
	06/16/99	10:26	4.87	28.58	
	09/16/99	10:43	5.72	27.73	
	12/08/99	8:43	4.63	28.82	
	03/07/00	8:58	4.28	29.17	
	06/21/00	9:45	4.80	28.65	
	09/12/00	9:30	5.81	27.64	
	12/07/00	8:45	5.36	28.09	
	03/15/01	9:30	4.91	28.54	
	07/12/01	11:00	5.10	28.35	
	09/24/01	11:29	5.95	27.50	
	01/02/02	11:07	4.35	28.80	
	03/27/02	9:55	4.12	29.03	
	06/11/02	10:42	4.75	28.40	
	09/17/02	12:36	6.03	27.12	
	12/16/02	11:40	5.60	27.55	
	03/17/03	11:00	4.91	28.24	
	06/10/03	NR	5.11	28.04	
	09/11/03	10:05	6.66	26.49	
	12/04/03	7:30	4.96	28.19	
	01/12/04	11:12	4.70	28.45	
03/16/04	12:20	4.80	28.35		
06/10/04	8:25	5.25	27.90		
09/22/04	11:15	5.88	27.27		
	33.15				

**Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington**

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-2	34.07	04/17/95	12:09	6.26	27.81
		09/07/95	NR	7.72	26.35
		11/10/95	NR	7.21	26.86
		12/07/95	NR	6.01	28.06
		01/29/96	NR	5.37	28.70
		09/04/96	9:00	7.93	26.14
		10/11/96	10:30	7.71	26.36
		11/06/96	8:50	7.02	27.05
		12/10/96	10:50	5.55	28.52
		01/10/97	NR	5.02	29.05
		02/21/97	12:10	5.31	28.76
		03/04/97	9:50	5.29	28.78
		06/27/97	10:53	6.11	27.96
		09/04/97	11:04	7.07	27.00
		12/22/97	8:44	5.92	28.15
		03/06/98	2:20	5.67	28.40
		06/18/98	9:22	6.54	27.53
		09/29/98	9:28	7.95	26.12
		12/15/98	9:52	5.71	28.36
		01/07/99	8:50	5.51	28.56
	01/13/99	9:25	5.62	28.45	
	03/02/99	9:29	4.73	29.34	
	06/16/99	10:31	6.40	27.67	
	09/16/99	10:41	7.39	26.68	
	12/08/99	8:40	5.84	28.23	
	03/07/00	8:52	5.36	28.71	
	06/21/00	9:54	6.43	27.64	
	09/12/00	11:25	7.92	26.15	
	12/07/00	8:40	7.11	26.96	
	03/15/01	9:40	6.44	27.63	
	07/12/01	13:00	6.83	27.24	
	09/24/01	11:33	7.64	26.43	
	01/02/02	10:30	5.61	28.18	
	03/27/02	10:00	5.49	28.30	
	06/11/02	10:45	6.28	27.51	
	09/17/02	12:33	7.67	26.12	
	12/16/02	11:37	7.07	26.72	
	03/17/03	10:55	5.75	28.04	
	06/10/03	NR	6.68	27.11	
	09/10/03	9:10	8.16	25.63	
12/04/03	9:30	6.24	27.55		
01/12/04	10:55	5.75	28.04		
03/15/04	11:15	5.90	27.89		
06/10/04	8:10	6.50	27.29		
09/23/04	8:10	7.12	26.67		
	33.79				

**Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington**

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-3	33.21	04/17/95	12:01	6.54	26.67
		09/07/95	NR	7.34	25.87
		11/10/95	NR	6.93	26.28
		12/07/95	NR	6.24	26.97
		01/29/96	NR	5.73	27.48
		09/04/96	14:50	7.17	26.04
		10/11/96	10:20	7.32	25.89
		11/06/96	9:10	6.85	26.36
		12/10/96	10:25	5.75	27.46
		01/10/97	NR	5.30	27.91
		02/21/97	11:55	5.51	27.70
		03/04/97	9:27	5.50	27.71
		06/27/97	10:30	6.24	26.97
		09/04/97	10:47	6.87	26.34
		12/22/97	8:10	6.03	27.18
		03/06/98	9:34	5.90	27.31
		06/18/98	8:57	6.51	26.70
		09/29/98	9:05	5.73	27.48
		12/14/98	9:32	5.92	27.29
		01/07/99	8:44	5.81	27.40
	01/13/99	9:12	5.93	27.28	
	03/02/99	9:04	5.21	28.00	
	06/16/99	9:55	6.48	26.73	
	09/16/99	10:23	7.20	26.01	
	12/08/99	8:24	6.08	27.13	
	03/07/00	8:23	5.74	27.47	
	06/21/00	9:15	6.48	26.73	
	09/12/00	10:30	7.40	25.81	
	12/07/00	9:25	6.94	26.27	
	03/15/01	9:57	6.41	26.80	
	07/12/01	15:55	6.77	26.44	
	09/24/01	11:37	7.48	25.73	
	01/02/02	11:12	5.71	27.23	
	03/27/02	10:05	5.65	27.29	
	06/11/02	10:27	6.28	26.66	
	09/17/02	12:00	7.41	25.53	
	12/16/02	11:05	6.81	26.13	
	03/17/03	10:05	5.84	27.10	
	06/10/03	NR	6.60	26.34	
	09/11/03	9:50	7.82	25.12	
12/03/03	12:00	6.26	26.68		
01/12/04	11:59	5.80	27.14		
03/15/04	10:00	5.98	26.96		
06/10/04	10:00	6.22	26.72		
09/22/04	10:05	7.87	25.07		
	32.94				

Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-4	33.20	09/04/96	13:00	5.89	27.31
		10/11/96	10:40	6.21	26.99
		11/06/96	9:15	5.75	27.45
		12/10/96	10:40	4.68	28.52
		01/10/97	NR	3.95	29.25
		02/21/97	12:40	4.10	29.10
		03/04/97	11:35	4.16	29.04
		06/27/97	10:44	4.59	28.61
		09/04/97	10:55	5.44	27.76
		12/22/97	8:39	4.78	28.42
		03/06/98	9:51	4.28	28.92
		06/18/98	9:16	5.00	28.20
		09/29/98	9:20	6.44	26.76
		12/14/98	9:43	5.16	28.04
		01/07/99	9:06	4.38	28.82
		01/13/99	9:17	4.38	28.82
		03/02/99	9:26	3.73	29.47
	06/16/99	10:23	4.77	28.43	
	09/16/99	10:45	5.78	27.42	
	12/08/99	8:45	4.81	28.39	
	03/07/00	9:03	4.17	29.03	
	06/21/00	9:41	4.85	28.35	
	09/12/00	9:40	6.22	26.98	
	12/07/00	8:50	6.78	26.42	
	03/15/01	9:35	5.10	28.10	
	07/12/01	10:00	5.14	28.06	
	09/24/01	11:41	6.02	27.18	
	01/02/02	11:05	4.41	28.45	
	03/27/02	9:53	4.17	28.69	
	06/11/02	10:37	4.69	28.17	
	09/17/02	12:38	6.25	26.61	
	12/16/02	11:45	6.22	26.64	
03/17/03	11:02	4.74	28.12		
06/10/03	NR	5.17	27.69		
09/10/03	9:20	7.02	25.84		
12/04/03	7:25	5.49	27.37		
01/12/04	11:20	4.88	27.98		
03/15/04	11:25	4.83	28.03		
06/10/04	8:35	5.33	27.53		
09/22/04	11:30	6.11	26.75		
MW-5	32.77	09/04/96	11:50	6.74	26.03
		10/11/96	10:45	6.82	25.95
		11/06/96	9:05	6.24	26.53
		12/10/96	10:30	5.01	27.76
		01/10/97	NR	4.54	28.23
		02/21/97	12:30	4.79	27.98

Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-5 (continued)	32.60	03/04/97	9:40	4.78	27.99
		06/27/97	10:40	5.54	27.23
		09/04/97	10:59	6.29	26.48
		12/22/97	8:32	5.36	27.41
		03/06/98	9:43	5.15	27.62
		06/18/98	9:11	5.89	26.88
		09/29/98	9:39	7.13	25.64
		12/15/98	9:38	5.18	27.59
		01/07/99	9:08	5.04	27.73
		01/13/99	9:00	5.97	26.80
		03/02/99	9:16	4.38	28.39
		06/16/99	10:07	5.81	26.96
		09/16/99	10:36	6.58	26.19
		12/08/99	8:34	5.33	27.44
		03/07/00	8:44	4.92	27.85
		06/21/00	9:24	5.31	27.46
		09/12/00	10:05	6.84	25.93
		12/07/00	8:55	6.42	26.35
		03/15/01	9:55	5.82	26.95
		07/09/01	10:08	6.22	26.55
		08/27/01	10:11	6.67	26.10
		09/24/01	11:43	6.98	25.79
		10/22/01	11:37	6.94	25.83
		11/19/01	13:10	6.31	26.46
		01/02/02	10:57	5.14	27.46
		03/27/02	10:36	5.05	27.55
		06/11/02	10:13	5.75	26.85
		09/17/02	12:15	6.98	25.62
		12/16/02	11:22	6.31	26.29
		03/17/03	10:30	5.31	27.29
06/10/03	NR	6.08	26.52		
09/11/03	9:55	7.39	25.21		
12/03/03	11:40	5.70	26.90		
01/12/04	10:23	5.24	27.36		
03/15/04	10:45	5.39	27.21		
06/10/04	NR	NR	NR		
09/22/04	11:00	6.44	26.16		
MW-6	33.33	09/04/96	9:50	6.26	27.07
		10/11/96	10:35	6.55	26.78
		11/06/96	8:58	5.98	27.35
		12/10/96	10:45	5.08	28.25
		01/10/97	NR	4.17	29.16
		02/21/97	12:15	4.33	29.00
		03/04/97	9:45	4.42	28.91
		06/27/97	10:49	5.05	28.28
09/04/97	11:01	5.87	27.46		

Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-6 (continued)	33.05	12/22/97	8:36	5.11	28.22
		03/06/98	9:49	4.57	28.76
		06/18/98	9:26	5.48	27.85
		09/29/98	9:32	6.87	26.46
		12/15/98	9:50	5.15	28.18
		01/07/99	8:55	4.39	28.94
		01/13/99	9:20	4.44	28.89
		03/02/99	9:24	3.64	29.69
		06/16/99	10:19	5.04	28.29
		09/16/99	10:39	6.03	27.30
		12/08/99	8:37	4.82	28.51
		03/07/00	8:48	4.44	28.89
		06/21/00	9:50	5.08	28.25
		09/12/00	11:15	6.24	27.09
		12/07/00	9:05	5.85	27.48
		03/15/01	9:45	5.25	28.08
		07/12/01	15:30	5.61	27.72
		09/24/01	11:46	6.35	26.98
		01/02/02	10:37	4.52	28.53
		03/27/02	9:50	4.00	29.05
		06/11/02	10:51	4.87	28.18
		06/11/02	12:30	6.39	26.66
		12/16/02	11:35	6.27	26.78
		03/17/03	10:46	4.67	28.38
		06/10/03	NR	5.65	27.40
		09/10/03	8:55	7.90	25.15
		12/04/03	8:00	5.91	27.14
		01/12/04	10:45	5.62	27.43
03/15/04	11:10	5.33	27.72		
06/10/04	8:05	6.40	26.65		
09/22/04	11:10	7.27	25.78		
MW-7	33.24	12/22/97	8:26	5.86	27.38
		03/06/98	9:41	5.66	27.58
		06/18/98	9:04	6.38	26.86
		09/29/98	9:15	7.62	25.62
		12/14/98	9:36	5.66	27.58
		01/07/99	8:34	5.58	27.66
		01/13/99	9:05	5.68	27.56
		03/02/99	9:09	4.89	28.35
		06/16/99	10:03	6.32	26.92
		09/16/99	10:30	7.09	26.15
		12/08/99	8:28	5.89	27.35
		03/07/00	8:38	5.45	27.79
		06/21/00	10:00	6.47	26.77
		09/12/00	10:25	7.31	25.93
12/07/00	9:20	6.91	26.33		

Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-7 (continued)	32.96	03/15/01	10:00	6.32	26.92
		07/12/01	13:45	6.75	26.49
		08/27/01	10:30	7.09	26.15
		09/24/01	11:49	7.33	25.91
		10/22/01	18:37	7.20	26.04
		11/19/01	12:50	6.33	26.91
		01/02/02	10:23	5.55	27.41
		03/27/02	10:12	5.45	27.51
		06/11/02	10:23	6.16	26.80
		09/17/02	12:41	7.34	25.62
		12/16/02	11:10	6.71	26.25
		03/17/03	10:15	5.70	27.26
		06/10/03	NR	6.48	26.48
		09/10/03	8:23	7.80	25.16
		12/03/03	11:30	6.17	26.79
		01/12/04	10:07	5.64	27.32
		03/15/04	10:23	5.79	27.17
		06/10/04	7:25	6.22	26.74
		09/22/04	10:35	6.84	26.12
MW-8	33.83	12/22/97	8:30	6.39	27.44
		03/06/98	9:46	6.20	27.63
		06/18/98	9:13	6.94	26.89
		09/29/98	9:42	8.22	25.61
		12/14/98	9:55	6.21	27.62
		01/07/99	9:12	6.10	27.73
		01/13/99	8:55	6.22	27.61
		03/02/99	9:21	5.38	28.45
		06/16/99	10:12	6.88	26.95
		09/16/99	10:33	7.65	26.18
		12/08/99	8:33	6.42	27.41
		03/07/00	8:42	5.97	27.86
		06/21/00	10:06	6.77	27.06
		09/12/00	10:20	7.90	25.93
		12/07/00	9:10	7.46	26.37
		03/15/01	9:50	6.95	26.88
		07/12/01	12:00	7.31	26.52
		08/27/01	10:27	7.65	26.18
		09/24/01	11:52	7.98	25.85
		10/22/01	17:50	7.95	25.88
		11/19/01	14:15	6.88	26.95
		01/02/02	10:48	6.07	27.50
		03/27/02	10:21	5.98	27.59
		06/11/02	10:08	6.71	26.86
09/17/02	12:26	7.94	25.63		
12/16/02	11:28	7.29	26.28		
03/17/03	10:37	6.58	26.99		
	33.57				

Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-8 (continued)		06/10/03	NR	7.05	26.52
		09/10/03	8:44	8.38	25.19
		12/03/03	11:00	6.70	26.87
		01/12/04	10:33	6.19	27.38
		03/15/04	11:00	6.32	27.25
		06/10/04	7:55	6.78	26.79
		09/23/04	8:05	7.40	26.17
MW-9	33.77	08/27/01	10:26	7.80	25.97
		10/22/01	16:55	7.95	25.82
		11/19/01	14:23	7.02	26.75
		01/02/02	10:44	6.21	27.56
		03/27/02	10:25	6.06	27.71
		06/11/02	10:05	6.84	26.93
		09/17/02	12:28	8.11	25.66
		12/16/02	11:30	7.51	26.26
		03/17/03	10:41	6.36	27.41
		06/10/03	NR	7.20	26.57
		09/10/03	8:49	8.61	25.16
		12/03/03	11:05	6.90	26.87
		01/12/04	10:40	6.34	27.43
		03/15/04	11:05	6.41	27.36
06/10/04	8:00	7.00	26.77		
09/22/04	11:05	7.81	25.96		
MW-10	32.89	01/02/02	10:18	5.48	27.41
		03/27/02	10:08	5.42	27.47
		06/11/02	10:25	6.08	26.81
		09/17/02	12:46	7.25	25.64
		12/16/02	11:07	6.58	26.31
		03/17/03	10:10	5.62	27.27
		06/10/03	NR	6.40	26.49
		09/10/03	8:20	7.72	25.17
		12/03/03	10:30	6.07	26.82
		01/12/04	10:03	5.58	27.31
		03/15/04	10:17	5.73	27.16
		06/10/04	7:15	6.13	26.76
		09/22/04	10:25	6.71	26.18
MW-11	32.79	08/27/01	10:16	6.88	25.91
		10/15/02	11:50	8.20	24.59
		10/22/01	12:20	7.14	25.65
		10/29/01	16:04	6.98	25.81
		11/19/01	12:55	6.27	26.52
		01/02/02	11:00	5.34	27.45
		03/27/02	10:34	5.25	27.54
		06/11/02	10:16	5.95	26.84
		09/17/02	12:14	7.16	25.63

Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-11 (continued)		12/16/02	11:21	6.50	26.29
		37,697.00	0.43	5.48	27.31
		06/10/03	NR	6.28	26.51
		09/10/03	8:36	7.61	25.18
		12/03/03	10:44	5.94	26.85
		01/12/04	10:18	5.43	27.36
		03/15/04	10:40	5.57	27.22
		06/10/04	7:45	6.01	26.78
		09/22/04	10:55	6.62	26.17
MW-12	32.81	08/27/01	10:15	6.89	25.92
		10/15/01	11:40	8.24	24.57
		10/22/01	14:05	7.13	25.68
		10/29/01	14:17	7.12	25.69
		11/19/01	11:07	6.22	26.59
		01/02/02	11:02	5.36	27.45
		03/27/02	10:31	5.28	27.53
		06/11/02	10:18	5.97	26.84
		09/17/02	12:11	7.16	25.65
		12/16/02	11:19	6.51	26.30
		03/17/03	10:23	5.50	27.31
		06/10/03	NR	6.30	26.51
		09/10/03	8:33	7.64	25.17
		12/03/03	10:42	5.98	26.83
		01/12/04	10:16	5.45	27.36
03/15/04	10:35	5.60	27.21		
06/10/04	7:40	6.03	26.78		
09/22/04	10:50	6.64	26.17		
MW-13	32.81	03/31/03	13:05	5.43	27.38
		06/10/03	NR	6.09	26.72
		09/10/03	9:26	7.65	25.16
		12/03/03	11:20	5.91	26.90
		01/12/04	11:23	5.37	27.44
		03/15/04	11:20	5.55	27.26
		06/10/04	8:30	6.44	26.37
		09/22/04	11:25	6.60	26.21
MW-14	32.60	12/03/03	10:03	5.65	26.95
		01/12/04	11:30	5.07	27.53
		03/16/04	13:00	5.21	27.39
		06/10/04	8:20	5.68	26.92
		09/23/04	8:20	6.30	26.30
MW-15	32.57	12/03/03	10:00	5.46	27.11
		01/12/04	11:09	4.86	27.71
		03/16/04	13:35	4.98	27.59
		06/10/04	8:15	5.50	27.07
		09/23/04	8:15	6.23	26.34

**Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington**

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
MW-16	36.92	12/03/03	10:10	10.11	26.81
		01/12/04	11:40	9.56	27.36
		03/15/04	11:30	9.68	27.24
		06/10/04	8:40	10.12	26.80
		09/22/04	11:35	10.72	26.20
MW-17	32.60	12/03/03	10:20	5.91	26.69
		01/12/04	12:05	5.43	27.17
		03/15/04	10:05	5.59	27.01
		06/10/04	7:05	5.95	26.65
		09/22/04	10:15	6.50	26.10
MW-18	32.73	12/03/03	11:50	5.94	26.79
		01/12/04	10:00	5.43	27.30
		03/15/04	10:15	5.60	27.13
		06/10/04	7:10	6.00	26.73
		09/22/04	10:15	6.50	26.23
MW-19	33.52	03/16/04	10:10	6.54	26.98
		06/10/04	7:20	6.87	26.65
		09/22/04	10:30	7.44	26.08
INJ-1	32.77	11/19/01	14:27	6.50	26.27
		03/27/02	10:38	5.23	27.54
		06/11/02	10:11	5.94	26.83
		09/17/02	12:16	7.14	25.63
		12/16/02	11:24	6.48	26.29
		03/17/03	10:32	5.47	27.30
		06/10/03	NR	6.09	26.68
		09/11/03	10:00	7.56	25.21
		12/03/03	NR	NR	NR
		01/12/04	10:27	5.44	27.33
		03/15/04	10:50	5.55	27.22
		06/10/04	NR	NR	NR
		09/22/04	NR	NR	NR
INJ-2	32.81	10/15/01	11:35	8.22	24.59
		10/22/01	15:43	7.12	25.69
		10/29/01	13:10	7.02	25.79
		11/19/01	11:05	6.30	26.51
		03/27/02	10:28	5.29	27.52
		06/11/02	10:20	5.99	26.82
		09/17/02	12:10	7.18	25.63
		12/16/02	11:17	6.52	26.29
		03/17/03	10:20	5.51	27.30
		06/10/03	NR	6.31	26.50
		09/10/03	8:30	7.65	25.16
		12/03/03	10:40	6.00	26.81
		01/12/04	10:14	5.46	27.35
		03/15/04	10:30	5.62	27.19

**Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington**

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
INJ-2 (continued)		06/10/04	7:35	6.05	26.76
		09/22/04	10:45	6.65	26.16
INJ-3	33.01	11/19/01	14:40	6.45	26.56
		06/11/02	10:21	6.19	26.82
		09/17/02	12:43	7.38	25.63
		12/16/02	11:15	7.00	26.01
		03/17/03	10:17	5.74	27.27
		06/10/03	NR	6.50	26.51
		09/10/03	8:27	7.73	25.28
		12/03/03	10:50	6.32	26.69
		01/12/03	10:11	5.70	27.31
		03/15/04	10:27	5.81	27.20
		06/10/04	7:30	6.18	26.83
		09/22/04	10:40	6.90	26.11
P-1	33.85	01/13/99	8:55	6.25	27.60
		03/02/99	9:19	5.42	28.43
		06/16/99	10:15	6.82	27.03
		09/16/99	10:34	7.57	26.28
		12/08/99	8:32	6.49	27.36
		03/07/00	8:41	6.15	27.70
		06/21/00	9:33	6.96	26.89
		09/12/00	10:15	7.91	25.94
		12/07/00	9:15	7.50	26.35
		03/15/01	9:52	6.10	27.75
		33.62	01/02/02	10:55	6.12
	09/17/02		12:18	7.94	25.68
	12/16/02		11:26	7.28	26.34
	03/17/03		10:35	6.28	27.34
	09/10/03		8:42	8.40	25.22
	12/03/03		10:53	7.03	26.59
	01/12/04		10:35	6.20	27.42
	03/15/04		10:55	6.35	27.27
	06/10/04	7:50	6.81	26.81	
		09/23/04	8:00	7.41	26.21
EMW-1	34.80	04/17/95	NR	7.48	27.32
		09/07/95	NR	8.91	25.89
		11/10/95	NR	9.07	25.73
		12/07/95	NR	6.79	28.01
		01/29/96	NR	6.41	28.39
EMW-2	34.87	04/17/95	NR	7.59	27.28
		09/07/95	NR	8.96	25.91
		11/10/95	NR	8.21	26.66
		12/07/95	NR	7.20	27.67
		01/29/96	NR	6.71	28.16
EMW-3	34.49	04/17/95	NR	7.19	27.30

**Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington**

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
EMW-4	34.52	04/17/95	NR	7.10	27.42
		09/07/95	NR	8.57	25.95
		11/10/95	NR	7.82	26.70
		12/07/95	NR	6.76	27.76
		01/29/96	NR	6.12	28.40
EMW-5	35.04	04/17/95	NR	7.63	27.41
		09/07/95	NR	9.13	25.91
		11/10/95	NR	8.21	26.83
		12/07/95	NR	7.26	27.78
		01/29/96	NR	6.68	28.36
EMW-6	35.45	04/17/95	NR	8.14	27.31
		09/07/95	NR	9.52	25.93
		11/10/95	NR	8.61	26.84
		12/07/95	NR	7.68	27.77
		01/29/96	NR	7.09	28.36
EMW-7	33.31	04/17/95	NR	8.19	25.12
		09/07/95	NR	8.04	25.27
		11/10/95	NR	6.99	26.32
		12/07/95	NR	7.18	26.13
		01/29/96	NR	5.61	27.70
		09/04/96	16:00	7.31	26.00
		10/11/96	11:05	7.40	25.91
		11/06/96	9:45	6.85	26.46
		12/10/96	10:20	5.60	27.71
		01/10/97	NR	5.19	28.12
		02/21/97	12:05	7.43	25.88
		03/04/97	NR	5.41	27.90
		06/27/97	10:36	6.15	27.16
		09/04/97	10:52	6.90	26.41
		12/22/97	8:18	5.99	27.32
		03/06/98	9:39	5.77	27.54
		06/18/98	9:08	6.49	26.82
		09/29/98	9:10	7.60	25.71
		12/14/98	9:34	5.77	27.54
		01/07/99	8:39	5.67	27.64
		01/13/99	9:10	5.77	27.54
		03/02/99	9:11	5.04	28.27
		06/16/99	9:59	6.43	26.88
09/16/99	10:26	7.22	26.09		
12/08/99	8:20	6.04	27.27		
03/07/00	8:30	5.45	27.86		
06/21/00	10:00	6.47	26.84		
09/13/00	12:00	7.30	26.01		
12/07/00	9:30	7.02	26.29		
03/15/01	9:25	6.46	26.85		
	33.10	01/02/02	11:15	5.63	27.47

Table C-1
Groundwater Levels and Sump Water Levels
Univar USA Inc. Facility
Kent, Washington

Location	Measuring Point Elevation	Date	Time	Depth to Water	Water Elevation
		03/27/02	10:17	5.58	27.52
		06/11/02	10:31	6.27	26.83
		09/17/02	12:54	7.43	25.67
		03/17/03	10:00	5.78	27.32
		09/10/03	8:00	7.92	25.18
		12/03/03	12:25	6.25	26.85
		01/12/04	12:10	5.78	27.32
		03/15/04	12:00	5.90	27.20
		06/10/04	8:45	6.39	26.71
		09/22/04	10:00	7.01	26.09
Barrel Wash Sump Water Levels					
Sump Wash	34.17	09/04/96	NR	6.50	27.67
		10/11/96	10:55	6.11	28.06
		11/06/96	NR	6.57	27.60
		12/10/96	11:00	5.54	28.63
		01/10/97	NR	5.84	28.33
		02/21/97	12:50	4.48	29.69
		03/04/97	NR	6.36	27.81
		06/27/97	11:00	5.42	28.75
		09/04/97	11:07	4.46	29.71
		12/22/97	NR	4.00	30.17
		03/06/98	10:06	5.17	29.00
		06/16/99	10:35	4.98	29.19
		12/08/99	8:40	3.66	30.51
		03/07/00	8:55	5.17	29.00
		06/21/00	10:09	5.03	29.14
		09/12/00	10:00	5.60	28.57
		12/07/00	8:48	dry	dry
		03/15/01	9:20	5.20	28.97
<p>NOTE: Depth = depth to water relative to the top of PVC. Elev. = elevation relative to NAVD 88. NR = not recorded. NA = not available.</p>					

MW-2 Slug Test Calculations VWR Kent Facility

BOUWER AND RICE SLUG TEST ANALYSIS (high k part of curve)

	INPUT	(KGS)
H = Saturated Thickness of Aquifer (ft)	30	914.4 cm
Lw = Water Table Elevation - Bottom of Well (ft)	13.5	411.48 cm
Le = Saturated Well Screen Length (ft)	13.5	411.48 cm
2rw = Boring Diameter (in)	11	27.94 cm
2rc = Well Diameter (in)	2.067	5.25018 cm
h1 = Initial Head (ft)	3.2	97.536 cm
h2 = Final Head (ft)	0.1	3.048 cm
t1 = Initial Time (sec)	0	0 sec
t2 = Final Time (sec)	4.00 min	240 sec
Porosity of Gravel Pack (%)	40	0.4

Le/rw = 29.45

	INPUT	(from Bouwer, 1989; PAGE DOWN for values for A, B, and C)
A =	2.49	
B =	0.407	
C =	1.99	

CALCULATIONS

Effective Radius of Well 9.07 cm

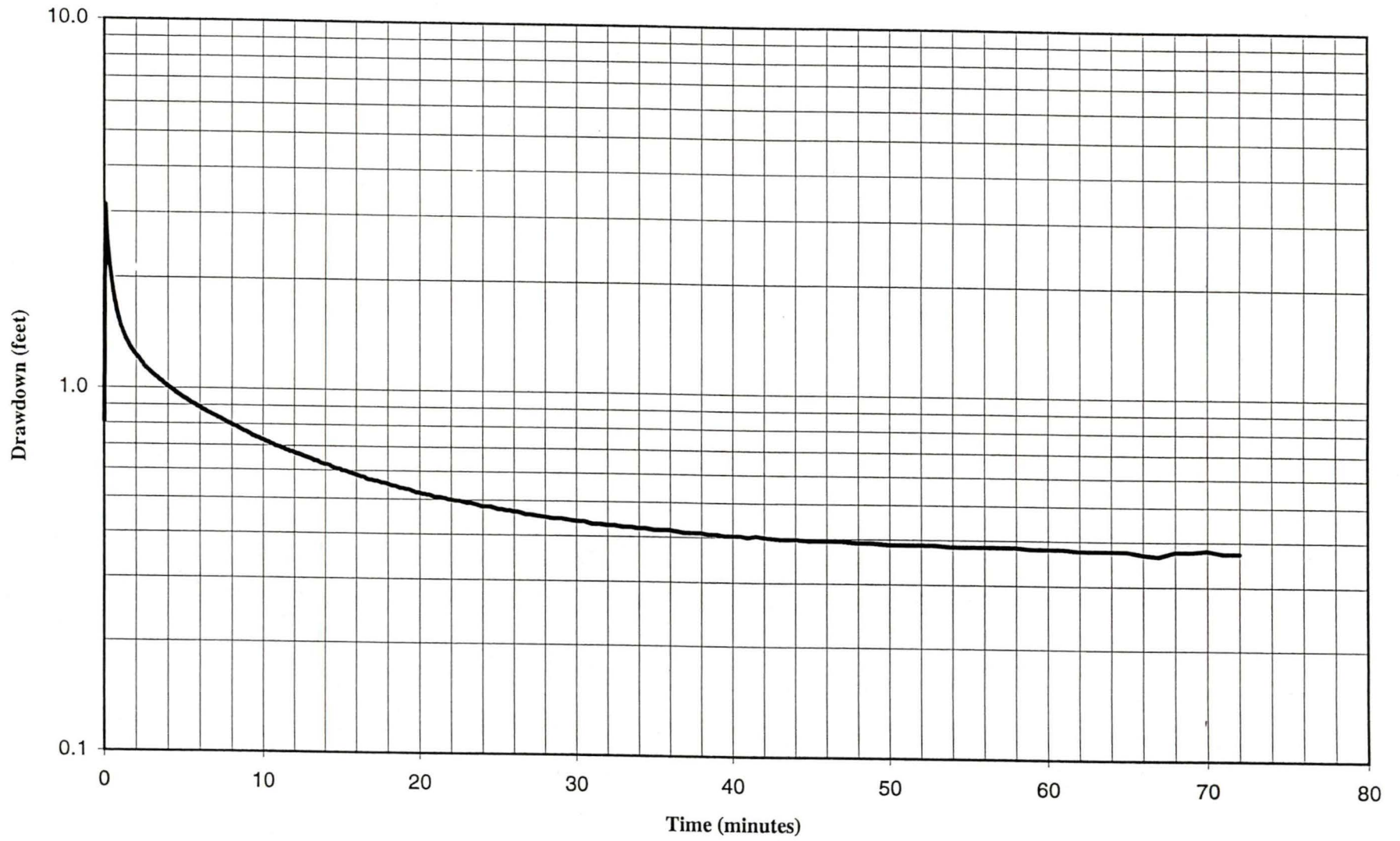
If $L_w < H$ $\ln (R_e/r_w) =$ 2.18

Horizontal Hydraulic Conductivity = 3.14E-03 cm/sec

If $L_w = H$ $\ln (R_e/r_w) =$ 2.55

Horizontal Hydraulic Conductivity = 3.67E-03 cm/sec

MW-2 Slug Test Results
VWR Kent Facility



1/10/97	12:47:25	7.53	0.55	1.86
1/10/97	12:47:26	7.55	0.56	1.84
1/10/97	12:47:27	7.57	0.57	1.82
1/10/97	12:47:28	7.57	0.58	1.82
1/10/97	12:47:29	7.59	0.60	1.80
1/10/97	12:47:29	7.61	0.62	1.78
1/10/97	12:47:32	7.64	0.65	1.75
1/10/97	12:47:32	7.67	0.66	1.71
1/10/97	12:47:33	7.67	0.68	1.72
1/10/97	12:47:34	7.68	0.69	1.71
1/10/97	12:47:35	7.69	0.70	1.70
1/10/97	12:47:36	7.70	0.72	1.69
1/10/97	12:47:36	7.72	0.73	1.67
1/10/97	12:47:39	7.76	0.77	1.63
1/10/97	12:47:39	7.77	0.78	1.61
1/10/97	12:47:40	7.77	0.79	1.62
1/10/97	12:47:41	7.78	0.80	1.61
1/10/97	12:47:42	7.79	0.82	1.60
1/10/97	12:47:43	7.79	0.83	1.60
1/10/97	12:47:43	7.81	0.85	1.58
1/10/97	12:47:46	7.84	0.89	1.54
1/10/97	12:47:46	7.83	0.90	1.56
1/10/97	12:47:47	7.84	0.91	1.54
1/10/97	12:47:48	7.85	0.92	1.54
1/10/97	12:47:49	7.86	0.93	1.53
1/10/97	12:47:50	7.87	0.95	1.52
1/10/97	12:47:50	7.87	0.97	1.52
1/10/97	12:47:53	7.89	1.00	1.49
1/10/97	12:47:53	7.91	1.01	1.48
1/10/97	12:47:54	7.90	1.03	1.48
1/10/97	12:47:55	7.91	1.04	1.48
1/10/97	12:47:56	7.92	1.05	1.47
1/10/97	12:47:57	7.93	1.07	1.46
1/10/97	12:47:57	7.93	1.08	1.46
1/10/97	12:48:00	7.94	1.12	1.45
1/10/97	12:48:00	7.94	1.13	1.44
1/10/97	12:48:01	7.95	1.14	1.44
1/10/97	12:48:02	7.96	1.15	1.43
1/10/97	12:48:03	7.96	1.17	1.43
1/10/97	12:48:03	7.97	1.18	1.42
1/10/97	12:48:04	7.97	1.20	1.42
1/10/97	12:48:07	7.98	1.24	1.40
1/10/97	12:48:07	7.99	1.25	1.40
1/10/97	12:48:08	7.99	1.26	1.40
1/10/97	12:48:09	7.99	1.27	1.39
1/10/97	12:48:10	8.00	1.28	1.39
1/10/97	12:48:10	8.01	1.30	1.38
1/10/97	12:48:11	8.01	1.32	1.38
1/10/97	12:48:14	8.02	1.35	1.36
1/10/97	12:48:14	8.02	1.36	1.37
1/10/97	12:48:15	8.02	1.38	1.36
1/10/97	12:48:16	8.03	1.39	1.36

1/10/97	12:49:57	8.30	3.07	1.09
1/10/97	12:49:59	8.30	3.10	1.09
1/10/97	12:50:00	8.30	3.13	1.09
1/10/97	12:50:03	8.31	3.17	1.08
1/10/97	12:50:04	8.31	3.20	1.08
1/10/97	12:50:06	8.31	3.23	1.08
1/10/97	12:50:09	8.32	3.27	1.07
1/10/97	12:50:11	8.32	3.30	1.07
1/10/97	12:50:13	8.32	3.34	1.07
1/10/97	12:50:14	8.32	3.37	1.06
1/10/97	12:50:16	8.33	3.40	1.06
1/10/97	12:50:19	8.33	3.43	1.06
1/10/97	12:50:21	8.33	3.47	1.05
1/10/97	12:50:23	8.33	3.50	1.05
1/10/97	12:50:25	8.34	3.54	1.05
1/10/97	12:50:27	8.34	3.57	1.05
1/10/97	12:50:28	8.34	3.60	1.05
1/10/97	12:50:31	8.34	3.63	1.04
1/10/97	12:50:33	8.35	3.67	1.04
1/10/97	12:50:35	8.36	3.70	1.03
1/10/97	12:50:37	8.36	3.74	1.03
1/10/97	12:50:39	8.36	3.77	1.03
1/10/97	12:50:41	8.36	3.80	1.03
1/10/97	12:50:43	8.36	3.83	1.03
1/10/97	12:50:45	8.37	3.87	1.02
1/10/97	12:50:46	8.37	3.90	1.02
1/10/97	12:50:49	8.37	3.94	1.01
1/10/97	12:50:51	8.37	3.97	1.01
1/10/97	12:50:53	8.38	4.00	1.01
1/10/97	12:50:55	8.38	4.03	1.01
1/10/97	12:50:57	8.38	4.07	1.01
1/10/97	12:50:58	8.38	4.10	1.00
1/10/97	12:51:00	8.39	4.13	1.00
1/10/97	12:51:03	8.39	4.17	1.00
1/10/97	12:51:05	8.39	4.20	1.00
1/10/97	12:51:07	8.40	4.23	0.99
1/10/97	12:51:08	8.40	4.27	0.99
1/10/97	12:51:10	8.40	4.30	0.99
1/10/97	12:51:12	8.40	4.33	0.99
1/10/97	12:51:15	8.40	4.37	0.99
1/10/97	12:51:17	8.41	4.40	0.98
1/10/97	12:51:19	8.41	4.44	0.98
1/10/97	12:51:21	8.41	4.47	0.97
1/10/97	12:51:26	8.42	4.55	0.97
1/10/97	12:51:31	8.42	4.64	0.96
1/10/97	12:51:36	8.43	4.72	0.96
1/10/97	12:51:41	8.44	4.80	0.95
1/10/97	12:51:46	8.44	4.88	0.95
1/10/97	12:51:51	8.45	4.97	0.94
1/10/97	12:51:56	8.45	5.05	0.94
1/10/97	12:52:01	8.45	5.14	0.93
1/10/97	12:52:06	8.46	5.22	0.93

1/10/97	12:56:31	8.65	9.64	0.74
1/10/97	12:56:36	8.65	9.72	0.74
1/10/97	12:56:41	8.66	9.80	0.73
1/10/97	12:56:46	8.66	9.89	0.73
1/10/97	12:56:51	8.66	9.97	0.73
1/10/97	12:56:56	8.66	10.05	0.73
1/10/97	12:57:01	8.67	10.13	0.72
1/10/97	12:57:06	8.67	10.22	0.72
1/10/97	12:57:11	8.67	10.30	0.72
1/10/97	12:57:16	8.67	10.39	0.71
1/10/97	12:57:21	8.68	10.47	0.71
1/10/97	12:57:26	8.68	10.55	0.71
1/10/97	12:57:31	8.68	10.63	0.71
1/10/97	12:57:36	8.68	10.72	0.70
1/10/97	12:57:41	8.69	10.80	0.70
1/10/97	12:57:46	8.69	10.88	0.70
1/10/97	12:57:51	8.69	10.97	0.70
1/10/97	12:57:56	8.69	11.05	0.70
1/10/97	12:58:01	8.70	11.14	0.69
1/10/97	12:58:06	8.70	11.22	0.69
1/10/97	12:58:11	8.70	11.30	0.69
1/10/97	12:58:16	8.70	11.38	0.69
1/10/97	12:58:21	8.71	11.47	0.68
1/10/97	12:58:26	8.71	11.55	0.68
1/10/97	12:58:31	8.71	11.64	0.68
1/10/97	12:58:36	8.71	11.72	0.68
1/10/97	12:58:41	8.71	11.80	0.68
1/10/97	12:58:46	8.71	11.89	0.68
1/10/97	12:58:51	8.72	11.97	0.67
1/10/97	12:59:01	8.72	12.13	0.67
1/10/97	12:59:11	8.72	12.30	0.66
1/10/97	12:59:21	8.73	12.47	0.66
1/10/97	12:59:31	8.73	12.63	0.66
1/10/97	12:59:41	8.73	12.80	0.65
1/10/97	12:59:51	8.74	12.97	0.65
1/10/97	13:00:01	8.74	13.14	0.65
1/10/97	13:00:11	8.75	13.30	0.64
1/10/97	13:00:21	8.75	13.47	0.64
1/10/97	13:00:31	8.76	13.64	0.63
1/10/97	13:00:41	8.76	13.80	0.63
1/10/97	13:00:51	8.76	13.97	0.62
1/10/97	13:01:01	8.76	14.14	0.62
1/10/97	13:01:11	8.77	14.30	0.62
1/10/97	13:01:21	8.77	14.47	0.61
1/10/97	13:01:31	8.78	14.63	0.61
1/10/97	13:01:41	8.78	14.80	0.61
1/10/97	13:01:51	8.78	14.97	0.61
1/10/97	13:02:01	8.79	15.13	0.60
1/10/97	13:02:11	8.79	15.30	0.60
1/10/97	13:02:21	8.79	15.47	0.60
1/10/97	13:02:31	8.80	15.64	0.59
1/10/97	13:02:41	8.80	15.80	0.59

1/10/97	13:12:51	8.92	25.97	0.47
1/10/97	13:13:06	8.92	26.22	0.47
1/10/97	13:13:21	8.93	26.47	0.46
1/10/97	13:13:36	8.93	26.72	0.46
1/10/97	13:13:51	8.93	26.97	0.46
1/10/97	13:14:21	8.93	27.47	0.45
1/10/97	13:14:51	8.94	27.97	0.45
1/10/97	13:15:21	8.94	28.47	0.45
1/10/97	13:15:51	8.94	28.97	0.45
1/10/97	13:16:21	8.94	29.47	0.44
1/10/97	13:16:51	8.95	29.97	0.44
1/10/97	13:17:21	8.95	30.47	0.44
1/10/97	13:17:51	8.95	30.97	0.43
1/10/97	13:18:21	8.95	31.47	0.43
1/10/97	13:18:51	8.96	31.97	0.43
1/10/97	13:19:21	8.96	32.47	0.43
1/10/97	13:19:51	8.96	32.97	0.43
1/10/97	13:20:21	8.96	33.47	0.43
1/10/97	13:20:51	8.97	33.97	0.42
1/10/97	13:21:21	8.97	34.47	0.42
1/10/97	13:21:51	8.97	34.97	0.42
1/10/97	13:22:21	8.97	35.47	0.42
1/10/97	13:22:51	8.97	35.97	0.42
1/10/97	13:23:21	8.97	36.47	0.42
1/10/97	13:23:51	8.98	36.97	0.41
1/10/97	13:24:21	8.98	37.47	0.41
1/10/97	13:24:51	8.98	37.97	0.41
1/10/97	13:25:21	8.98	38.47	0.41
1/10/97	13:25:51	8.98	38.97	0.41
1/10/97	13:26:21	8.98	39.47	0.40
1/10/97	13:26:51	8.98	39.97	0.40
1/10/97	13:27:21	8.98	40.47	0.40
1/10/97	13:27:51	8.99	40.97	0.40
1/10/97	13:28:21	8.98	41.47	0.40
1/10/97	13:28:51	8.99	41.97	0.40
1/10/97	13:29:51	8.99	42.97	0.40
1/10/97	13:30:51	8.99	43.97	0.40
1/10/97	13:31:51	8.99	44.97	0.39
1/10/97	13:32:51	8.99	45.97	0.39
1/10/97	13:33:51	8.99	46.97	0.39
1/10/97	13:34:51	9.00	47.97	0.39
1/10/97	13:35:51	9.00	48.97	0.39
1/10/97	13:36:51	9.00	49.97	0.39
1/10/97	13:37:51	9.00	50.97	0.39
1/10/97	13:38:51	9.00	51.97	0.39
1/10/97	13:39:51	9.00	52.97	0.39
1/10/97	13:40:51	9.01	53.97	0.38
1/10/97	13:41:51	9.01	54.97	0.38
1/10/97	13:42:51	9.01	55.97	0.38
1/10/97	13:43:51	9.01	56.97	0.38
1/10/97	13:44:51	9.01	57.97	0.38
1/10/97	13:45:51	9.01	58.97	0.38

**MW-3 Slug Test Calculations
VWR Kent Facility**

BOUWER AND RICE SLUG TEST ANALYSIS

	INPUT	(KGS)
H = Saturated Thickness of Aquifer (ft)	30	914.4 cm
Lw = Water Table Elevation - Bottom of Well (ft)	13.2	402.336 cm
Le = Saturated Well Screen Length (ft)	13.2	402.336 cm
2rw = Boring Diameter (in)	11	27.94 cm
2rc = Well Diameter (in)	2.067	5.25018 cm
h1 = Initial Head (ft)	5	152.4 cm
h2 = Final Head (ft)	0.1	3.048 cm
t1 = Initial Time (sec)	0	0 sec
t2 = Final Time (sec)	0.50 min	30 sec
Porosity of Gravel Pack (%)	40	0.4

Le/rw = 28.80

	INPUT	
		(from Bouwer, 1989; PAGE DOWN for values for A, B, and C)
A =	2.48	
B =	0.404	
C =	1.98	

CALCULATIONS

Effective Radius of Well 9.07 cm

If Lw < H ln (Re/rw) = 2.16

Horizontal Hydraulic Conductivity = 2.87E-02 cm/sec

If Lw = H ln (Re/rw) = 2.52

Horizontal Hydraulic Conductivity = 3.36E-02 cm/sec

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Date Friday January 10, 1997 1:21 PM
 PlotFile B:\VWRMW301.PRN
 DataFile B:\VWRMW3.HEX

Time of First Log in Specified Window
 3.54405583483577E+0004 5.58348379629933E-0001

VWR SLUG TEST MW-3

Date	Time	Feet	Elapsed Time (min)	Drawdown (feet)
1/10/97	13:24:01	9.65		
1/10/97	13:24:06	9.64		
1/10/97	13:24:09	9.64		
1/10/97	13:24:12	9.64		
1/10/97	13:24:16	9.64		
1/10/97	13:25:27	9.65		
1/10/97	13:25:27	9.64		
1/10/97	13:25:29	9.64		
1/10/97	13:25:29	9.64		
1/10/97	13:25:31	9.64		
1/10/97	13:25:33	9.64		
1/10/97	13:25:33	9.64		
1/10/97	13:25:34	9.64		
1/10/97	13:25:35	9.64		
1/10/97	13:25:36	9.64		
1/10/97	13:25:38	9.65		
1/10/97	13:25:38	9.66		
1/10/97	13:25:39	9.65		
1/10/97	13:25:40	9.67		
1/10/97	13:25:41	9.64		
1/10/97	13:25:41	9.97		
1/10/97	13:25:44	10.03		
1/10/97	13:25:44	10.05		
1/10/97	13:25:45	10.01		
1/10/97	13:25:46	9.98		
1/10/97	13:25:47	9.88		
1/10/97	13:25:49	9.81		
1/10/97	13:25:50	9.78		
1/10/97	13:25:50	9.73		
1/10/97	13:25:51	9.90		
1/10/97	13:25:52	9.98		
1/10/97	13:25:52	9.96		
1/10/97	13:25:54	10.03	0.00	0.00
1/10/97	13:25:55	9.67	0.02	0.36
1/10/97	13:25:55	8.84	0.03	1.18
1/10/97	13:25:58	6.51	0.07	3.52
1/10/97	13:25:58	6.88	0.08	3.14
1/10/97	13:25:59	7.43	0.10	2.60
1/10/97	13:26:00	7.81	0.11	2.22
1/10/97	13:26:01	8.19	0.12	1.84
1/10/97	13:26:03	8.80	0.15	1.23

1/10/97	13:26:55	9.63	1.02	0.39
1/10/97	13:26:56	9.63	1.03	0.40
1/10/97	13:26:57	9.63	1.05	0.40
1/10/97	13:26:59	9.63	1.08	0.40
1/10/97	13:27:01	9.63	1.12	0.40
1/10/97	13:27:03	9.63	1.15	0.40
1/10/97	13:27:05	9.64	1.19	0.39
1/10/97	13:27:07	9.64	1.22	0.39
1/10/97	13:27:09	9.64	1.25	0.39
1/10/97	13:27:11	9.63	1.28	0.39
1/10/97	13:27:13	9.63	1.32	0.40
1/10/97	13:27:15	9.63	1.35	0.40
1/10/97	13:27:17	9.64	1.39	0.39
1/10/97	13:27:19	9.64	1.42	0.38
1/10/97	13:27:21	9.63	1.45	0.39
1/10/97	13:27:23	9.64	1.48	0.39
1/10/97	13:27:25	9.65	1.52	0.38
1/10/97	13:27:27	9.63	1.55	0.39
1/10/97	13:27:29	9.64	1.59	0.38
1/10/97	13:27:31	9.63	1.62	0.39
1/10/97	13:27:33	9.63	1.65	0.39
1/10/97	13:27:35	9.63	1.68	0.39
1/10/97	13:27:37	9.64	1.72	0.39
1/10/97	13:27:39	9.64	1.75	0.39
1/10/97	13:27:41	9.65	1.79	0.38
1/10/97	13:27:43	9.63	1.82	0.39
1/10/97	13:27:45	9.63	1.85	0.39
1/10/97	13:27:47	9.64	1.88	0.39
1/10/97	13:27:49	9.64	1.92	0.39
1/10/97	13:27:51	9.64	1.95	0.38
1/10/97	13:27:53	9.64	1.98	0.38
1/10/97	13:27:55	9.63	2.02	0.39
1/10/97	13:27:57	9.65	2.05	0.38
1/10/97	13:27:59	9.66	2.09	0.37
1/10/97	13:28:01	9.66	2.12	0.37
1/10/97	13:28:03	9.64	2.15	0.39
1/10/97	13:28:05	9.63	2.18	0.39
1/10/97	13:28:07	9.64	2.22	0.39
1/10/97	13:28:09	9.64	2.25	0.39
1/10/97	13:28:11	9.66	2.29	0.37
1/10/97	13:28:13	9.64	2.32	0.39
1/10/97	13:28:15	9.64	2.35	0.39
1/10/97	13:28:17	9.64	2.38	0.39
1/10/97	13:28:19	9.66	2.42	0.37
1/10/97	13:28:21	9.64	2.45	0.39
1/10/97	13:28:23	9.66	2.49	0.37
1/10/97	13:28:25	9.64	2.52	0.39
1/10/97	13:28:27	9.64	2.55	0.39
1/10/97	13:28:29	9.64	2.58	0.38
1/10/97	13:28:31	9.66	2.62	0.36
1/10/97	13:28:33	9.64	2.65	0.39
1/10/97	13:28:35	9.64	2.69	0.39

1/10/97	13:30:57	9.64	5.05	0.39
1/10/97	13:31:02	9.64	5.14	0.38
1/10/97	13:31:07	9.64	5.22	0.38
1/10/97	13:31:12	9.64	5.30	0.39
1/10/97	13:31:17	9.64	5.39	0.39
1/10/97	13:31:22	9.64	5.47	0.39
1/10/97	13:31:27	9.64	5.55	0.39
1/10/97	13:31:32	9.64	5.63	0.38
1/10/97	13:31:37	9.64	5.72	0.38
1/10/97	13:31:42	9.64	5.80	0.39
1/10/97	13:31:47	9.63	5.89	0.39
1/10/97	13:31:52	9.63	5.97	0.39
1/10/97	13:31:57	9.63	6.05	0.39
1/10/97	13:32:02	9.63	6.13	0.39
1/10/97	13:32:07	9.63	6.22	0.39
1/10/97	13:32:12	9.63	6.30	0.39
1/10/97	13:32:17	9.64	6.38	0.39
1/10/97	13:32:22	9.64	6.47	0.39
1/10/97	13:32:27	9.64	6.55	0.39
1/10/97	13:32:32	9.64	6.64	0.39
1/10/97	13:32:37	9.64	6.72	0.39
1/10/97	13:32:42	9.64	6.80	0.39
1/10/97	13:32:47	9.64	6.88	0.39
1/10/97	13:32:52	9.64	6.97	0.39
1/10/97	13:32:57	9.64	7.05	0.39
1/10/97	13:33:02	9.64	7.14	0.39
1/10/97	13:33:07	9.64	7.22	0.39
1/10/97	13:33:12	9.64	7.30	0.39
1/10/97	13:33:17	9.64	7.38	0.39
1/10/97	13:33:22	9.64	7.47	0.39
1/10/97	13:33:27	9.64	7.55	0.39
1/10/97	13:33:32	9.64	7.63	0.39
1/10/97	13:33:37	9.64	7.72	0.39
1/10/97	13:33:42	9.64	7.80	0.39
1/10/97	13:33:47	9.64	7.89	0.39
1/10/97	13:33:52	9.64	7.97	0.39
1/10/97	13:33:57	9.64	8.05	0.39
1/10/97	13:34:02	9.64	8.13	0.39
1/10/97	13:34:07	9.64	8.22	0.39
1/10/97	13:34:12	9.64	8.30	0.39
1/10/97	13:34:17	9.64	8.39	0.39
1/10/97	13:34:22	9.64	8.47	0.39
1/10/97	13:34:27	9.64	8.55	0.39
1/10/97	13:34:32	9.64	8.64	0.39
1/10/97	13:34:37	9.64	8.72	0.39
1/10/97	13:34:42	9.64	8.80	0.39
1/10/97	13:34:47	9.64	8.88	0.39
1/10/97	13:34:52	9.64	8.97	0.39
1/10/97	13:34:57	9.64	9.05	0.39
1/10/97	13:35:02	9.64	9.14	0.39
1/10/97	13:35:07	9.64	9.22	0.39
1/10/97	13:35:12	9.64	9.30	0.39

1/10/97	13:41:47	9.64	15.88	0.39
1/10/97	13:41:57	9.64	16.05	0.39
1/10/97	13:42:07	9.64	16.22	0.39
1/10/97	13:42:17	9.64	16.38	0.38
1/10/97	13:42:27	9.64	16.55	0.39
1/10/97	13:42:37	9.64	16.72	0.39
1/10/97	13:42:47	9.64	16.89	0.39
1/10/97	13:42:57	9.64	17.05	0.38
1/10/97	13:43:07	9.64	17.22	0.39
1/10/97	13:43:17	9.64	17.39	0.39
1/10/97	13:43:27	9.64	17.55	0.39
1/10/97	13:43:37	9.64	17.72	0.39
1/10/97	13:43:47	9.64	17.88	0.39
1/10/97	13:43:57	9.64	18.05	0.39
1/10/97	13:44:07	9.64	18.22	0.39
1/10/97	13:44:17	9.64	18.38	0.39
1/10/97	13:44:27	9.64	18.55	0.39
1/10/97	13:44:37	9.64	18.72	0.38
1/10/97	13:44:47	9.64	18.89	0.39
1/10/97	13:44:57	9.64	19.05	0.38
1/10/97	13:45:07	9.64	19.22	0.39
1/10/97	13:45:17	9.64	19.39	0.38
1/10/97	13:45:27	9.64	19.55	0.38
1/10/97	13:45:37	9.64	19.72	0.38
1/10/97	13:45:47	9.64	19.88	0.39
1/10/97	13:45:57	9.64	20.05	0.38
1/10/97	13:46:07	9.64	20.22	0.39
1/10/97	13:46:17	9.64	20.38	0.39
1/10/97	13:46:27	9.64	20.55	0.38
1/10/97	13:46:37	9.64	20.72	0.39
1/10/97	13:46:47	9.64	20.88	0.39
1/10/97	13:46:57	9.64	21.05	0.38
1/10/97	13:47:07	9.64	21.22	0.38
1/10/97	13:47:17	9.64	21.39	0.38
1/10/97	13:47:27	9.64	21.55	0.38
1/10/97	13:47:42	9.64	21.80	0.38
1/10/97	13:47:57	9.64	22.05	0.39
1/10/97	13:48:12	9.64	22.30	0.38
1/10/97	13:48:27	9.64	22.55	0.38
1/10/97	13:48:42	9.64	22.80	0.38
1/10/97	13:48:57	9.64	23.05	0.38
1/10/97	13:49:12	9.64	23.30	0.39
1/10/97	13:49:27	9.64	23.55	0.39
1/10/97	13:49:42	9.64	23.80	0.38
1/10/97	13:49:57	9.64	24.05	0.38
1/10/97	13:50:12	9.64	24.30	0.39
1/10/97	13:50:27	9.65	24.55	0.38
1/10/97	13:50:42	9.65	24.80	0.38
1/10/97	13:50:57	9.65	25.05	0.38
1/10/97	13:51:12	9.65	25.30	0.38
1/10/97	13:51:27	9.66	25.55	0.37
1/10/97	13:51:42	9.66	25.80	0.37

MW-5 Slug Test Calculations VWR Kent Facility

BOUWER AND RICE SLUG TEST ANALYSIS

	INPUT	(KGS)
H = Saturated Thickness of Aquifer (ft)	30	914.4 cm
Lw = Water Table Elevation - Bottom of Well (ft)	9.5	289.56 cm
Le = Saturated Well Screen Length (ft)	9.5	289.56 cm
2rw = Boring Diameter (in)	11	27.94 cm
2rc = Well Diameter (in)	2.067	5.25018 cm
h1 = Initial Head (ft)	3.5	106.68 cm
h2 = Final Head (ft)	0.2	6.096 cm
t1 = Initial Time (sec)	0	0 sec
t2 = Final Time (sec)	66	66 sec
Porosity of Gravel Pack (%)	40	0.4

1.10 min

Le/rw = 20.73

	INPUT	
		(from Bouwer, 1989; PAGE DOWN for values for A, B, and C)
A =	2.1	
B =	0.3	
C =	1.6	

CALCULATIONS

Effective Radius of Well 9.07 cm

If Lw < H ln (Re/rw) = 1.93

Horizontal Hydraulic Conductivity = 1.19E-02 cm/sec

If Lw = H ln (Re/rw) = 2.27

Horizontal Hydraulic Conductivity = 1.40E-02 cm/sec

Date Friday January 10, 1997 2:06 PM
PlotFile B:\VWRMW501.PRN
DataFile B:\VWRMW5.HEX

Time of First Log in Specified Window
3.54405569606423E+0004 5.56960648148561E-0001

" " " Analog#01"

VWR SLUG TEST MW-5

DATE	TIME	FEET	Elapsed Time (min)	Drawdown (feet)
1/10/97	13:22:01	7.65		
1/10/97	13:22:04	7.65		
1/10/97	13:22:07	7.64		
1/10/97	13:22:10	7.66		
1/10/97	13:22:13	7.64		
1/10/97	13:23:06	7.64		
1/10/97	13:23:07	7.64		
1/10/97	13:23:07	7.65		
1/10/97	13:23:08	7.64		
1/10/97	13:23:10	7.65		
1/10/97	13:23:10	7.64		
1/10/97	13:23:12	7.64		
1/10/97	13:23:13	7.64		
1/10/97	13:23:13	7.65		
1/10/97	13:23:15	7.65		
1/10/97	13:23:15	7.65		
1/10/97	13:23:17	7.66		
1/10/97	13:23:17	7.66		
1/10/97	13:23:18	7.65		
1/10/97	13:23:20	7.66		
1/10/97	13:23:20	7.88		
1/10/97	13:23:22	7.73		
1/10/97	13:23:22	7.75		
1/10/97	13:23:24	7.85		
1/10/97	13:23:24	7.97		
1/10/97	13:23:25	8.09		
1/10/97	13:23:27	8.25		
1/10/97	13:23:27	8.11		
1/10/97	13:23:29	7.96		
1/10/97	13:23:29	7.93		
1/10/97	13:23:31	7.90		
1/10/97	13:23:31	7.87		
1/10/97	13:23:32	7.86		
1/10/97	13:23:34	7.87		
1/10/97	13:23:34	7.96		
1/10/97	13:23:36	7.98		
1/10/97	13:23:36	7.90		
1/10/97	13:23:38	7.89		
1/10/97	13:23:38	7.87		
1/10/97	13:23:39	7.86		
1/10/97	13:23:41	7.84		

1/10/97	13:24:33	6.91	0.38	1.24
1/10/97	13:24:34	6.95	0.40	1.19
1/10/97	13:24:36	7.01	0.42	1.14
1/10/97	13:24:37	7.09	0.45	1.06
1/10/97	13:24:40	7.15	0.48	1.00
1/10/97	13:24:42	7.20	0.52	0.94
1/10/97	13:24:44	7.25	0.55	0.90
1/10/97	13:24:46	7.29	0.58	0.86
1/10/97	13:24:47	7.32	0.62	0.82
1/10/97	13:24:49	7.35	0.65	0.80
1/10/97	13:24:51	7.37	0.68	0.77
1/10/97	13:24:54	7.39	0.72	0.76
1/10/97	13:24:56	7.40	0.75	0.74
1/10/97	13:24:58	7.41	0.78	0.73
1/10/97	13:25:00	7.42	0.82	0.72
1/10/97	13:25:01	7.44	0.85	0.70
1/10/97	13:25:03	7.45	0.88	0.70
1/10/97	13:25:05	7.45	0.92	0.69
1/10/97	13:25:08	7.46	0.95	0.69
1/10/97	13:25:10	7.47	0.98	0.67
1/10/97	13:25:12	7.47	1.02	0.67
1/10/97	13:25:13	7.48	1.05	0.66
1/10/97	13:25:15	7.49	1.08	0.66
1/10/97	13:25:17	7.49	1.12	0.65
1/10/97	13:25:19	7.49	1.15	0.65
1/10/97	13:25:22	7.50	1.18	0.65
1/10/97	13:25:24	7.50	1.22	0.64
1/10/97	13:25:26	7.50	1.25	0.64
1/10/97	13:25:27	7.50	1.28	0.64
1/10/97	13:25:29	7.52	1.32	0.63
1/10/97	13:25:31	7.52	1.35	0.63
1/10/97	13:25:34	7.52	1.38	0.63
1/10/97	13:25:36	7.52	1.42	0.62
1/10/97	13:25:38	7.53	1.45	0.62
1/10/97	13:25:40	7.53	1.48	0.62
1/10/97	13:25:41	7.53	1.52	0.62
1/10/97	13:25:43	7.53	1.55	0.61
1/10/97	13:25:45	7.53	1.58	0.61
1/10/97	13:25:48	7.53	1.62	0.61
1/10/97	13:25:50	7.53	1.65	0.61
1/10/97	13:25:52	7.54	1.68	0.61
1/10/97	13:25:54	7.54	1.72	0.60
1/10/97	13:25:55	7.54	1.75	0.60
1/10/97	13:25:57	7.54	1.78	0.60
1/10/97	13:25:59	7.54	1.82	0.60
1/10/97	13:26:02	7.55	1.85	0.60
1/10/97	13:26:04	7.55	1.88	0.60
1/10/97	13:26:06	7.55	1.92	0.59
1/10/97	13:26:07	7.55	1.95	0.59
1/10/97	13:26:09	7.55	1.98	0.59
1/10/97	13:26:11	7.55	2.02	0.59
1/10/97	13:26:13	7.55	2.05	0.59

1/10/97	13:28:36	7.60	4.42	0.54
1/10/97	13:28:41	7.61	4.50	0.54
1/10/97	13:28:46	7.61	4.58	0.54
1/10/97	13:28:51	7.61	4.67	0.54
1/10/97	13:28:55	7.61	4.75	0.54
1/10/97	13:29:00	7.61	4.83	0.54
1/10/97	13:29:05	7.61	4.92	0.53
1/10/97	13:29:10	7.61	5.00	0.53
1/10/97	13:29:16	7.61	5.08	0.53
1/10/97	13:29:21	7.61	5.17	0.53
1/10/97	13:29:26	7.61	5.25	0.53
1/10/97	13:29:31	7.61	5.33	0.53
1/10/97	13:29:35	7.61	5.42	0.53
1/10/97	13:29:40	7.61	5.50	0.53
1/10/97	13:29:45	7.61	5.58	0.53
1/10/97	13:29:50	7.61	5.67	0.53
1/10/97	13:29:56	7.61	5.75	0.53
1/10/97	13:30:01	7.62	5.83	0.53
1/10/97	13:30:06	7.62	5.92	0.53
1/10/97	13:30:11	7.62	6.00	0.53
1/10/97	13:30:15	7.62	6.08	0.53
1/10/97	13:30:20	7.62	6.17	0.53
1/10/97	13:30:25	7.62	6.25	0.53
1/10/97	13:30:30	7.62	6.33	0.53
1/10/97	13:30:36	7.62	6.42	0.52
1/10/97	13:30:41	7.62	6.50	0.52
1/10/97	13:30:46	7.62	6.58	0.52
1/10/97	13:30:50	7.62	6.67	0.52
1/10/97	13:30:55	7.62	6.75	0.52
1/10/97	13:31:00	7.62	6.83	0.52
1/10/97	13:31:05	7.62	6.92	0.52
1/10/97	13:31:11	7.62	7.00	0.52
1/10/97	13:31:16	7.62	7.08	0.52
1/10/97	13:31:21	7.62	7.17	0.52
1/10/97	13:31:26	7.62	7.25	0.52
1/10/97	13:31:30	7.62	7.33	0.52
1/10/97	13:31:35	7.62	7.42	0.52
1/10/97	13:31:40	7.62	7.50	0.52
1/10/97	13:31:45	7.63	7.58	0.52
1/10/97	13:31:51	7.63	7.67	0.52
1/10/97	13:31:56	7.62	7.75	0.52
1/10/97	13:32:01	7.63	7.83	0.52
1/10/97	13:32:06	7.62	7.92	0.52
1/10/97	13:32:10	7.63	8.00	0.52
1/10/97	13:32:15	7.63	8.08	0.52
1/10/97	13:32:20	7.63	8.17	0.52
1/10/97	13:32:25	7.63	8.25	0.52
1/10/97	13:32:31	7.63	8.33	0.52
1/10/97	13:32:36	7.63	8.42	0.52
1/10/97	13:32:41	7.63	8.50	0.52
1/10/97	13:32:46	7.63	8.58	0.52
1/10/97	13:32:50	7.63	8.67	0.51

1/10/97	13:39:25	7.64	15.25	0.51
1/10/97	13:39:36	7.64	15.42	0.51
1/10/97	13:39:46	7.64	15.58	0.51
1/10/97	13:39:55	7.64	15.75	0.51
1/10/97	13:40:05	7.64	15.92	0.51
1/10/97	13:40:16	7.64	16.08	0.51
1/10/97	13:40:26	7.64	16.25	0.51
1/10/97	13:40:35	7.64	16.42	0.50

Terra8 Data Collection Report

Firmware Version 2.2/90
 Number of Bytes in Data Dump 3212
 User Supplied Comment
 Time Header Block Loaded 1997/01/10 13:22:01.60
 Time Data File Dumped 1997/01/10 13:41:47.70
 Remaining Memory 21364
 Number of Logs 309
 Type of Data Memory Main Memory
 Logs/Timestamp 1
 Power was OK During Data Collection Period

Terra8 Channel Setup

Number of ANALOG Channels = 1

```

-----
_Ch#_ Description_ Units_ Delay_ M_ B_
1 VWR SLUG TEST MW-5 FT..... 100 2.8875E+0000 -2.8800E+0000

```

Number of DIGITAL Channels = 0

```

-----
_Ch#_ Description_ Units_ Delay_ M_ B_
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APPENDIX D

SOIL AND GROUNDWATER CHEMISTRY DATA TABLES

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	vinyl chloride	chloroethane	acetone	1,1-dichloroethene	carbon disulfide	methylene chloride	trans-1,2-dichloroethene	1,1-dichloroethane	2-butanone (MEK)
SB-8	1	8/22/94	< 10	< 10	< 100	< 5	< 100	12	< 5	< 5	< 100
SB-8	6	8/22/94	< 1,000	< 1,000	< 10,000	< 500	< 10,000	1400 JB	< 500	< 500	< 10,000
SB-10	1	8/13/96	< 5	< 5	81	< 5	< 5	< 10	< 5	< 5	< 20
SB-10	3.5	8/13/96	< 5	< 5	280	< 5	< 5	< 10	< 5	< 5	44
SB-10	3.5 (dup)	8/13/96	< 5	< 5	250	< 5	< 5	< 10	< 5	< 5	48
SB-14	6	6/13/01	< 60	< 60	–	< 60	–	< 120	< 60	< 60	–
SB-16	6	6/13/01	< 57	< 57	–	< 57	–	< 110	< 57	< 57	–
SB-17	6	6/13/01	< 57	< 57	–	< 57	–	< 110	< 57	< 57	–
GP-4	2	10/10/97	< 5	< 5	< 50	< 5	< 5	< 10	< 5	< 5	< 20
GP-6	2	10/10/97	< 5	< 5	180	< 5	< 5	< 10	< 5	< 5	37
GP-7	2	10/10/97	< 5	< 5	< 50	< 5	< 5	< 10	< 5	< 5	< 20
GP-10	2	10/10/97	< 5	< 5	< 50	< 5	< 5	< 10	< 5	< 5	< 20
SB-19	10	11/20/01	< 29	< 29	< 290	< 29	–	< 57	< 29	< 29	–
SB-20	10	11/20/01	< 33	< 33	1,400	< 33	–	< 65	< 33	< 33	–
SB-21	7	9/12/02	< 29	< 24	< 320	< 17	< 22	62 JB	< 19	< 13	< 440
SB-21	11	9/12/02	< 28	< 23	< 300	< 16	< 21	61 JB	< 19	< 12	< 430
SB-21	16	9/12/02	< 0.80	< 1.1	< 13	< 0.89	< 2.0	5.7 JB	< 0.94	< 1.1	< 11
SB-21	17.7	9/12/02	< 0.80	< 1.1	39 J	< 0.90	< 2.0	4.1 JB	< 0.95	< 1.1	< 11
SB-22	11.3	9/12/02	1.3 J	4.4 J	18 J	< 0.90	< 2.0	4.6 JB	< 0.95	< 1.1	< 11
SB-22	17.7	9/12/02	< 0.77	< 0.96	52 J	< 0.85	< 1.9	5.6 JB	< 0.90	< 0.96	< 11
SB-23	10	9/12/02	1.6 J	3.7 J	48 J	< 0.98	< 2.2	5.8 JB	< 1.1	< 1.2	< 12
SB-23	15.4	9/12/02	< 0.81	< 1.1	46 J	< 0.90	< 2.0	8.0 JB	< 0.96	< 1.1	< 11
SB-24	10	9/12/02	< 29	< 24	< 320	< 17	< 22	69 JB	< 19	< 13	< 440
SB-24	14.8	9/12/02	< 0.85	< 1.1	27 J	< 0.94	< 2.1	5.2 JB	< 1.0	< 1.1	< 12
SB-25	11	9/12/02	< 0.84	< 1.1	30 J	< 0.93	< 2.1	6.3 JB	< 0.99	< 1.1	< 12
SB-25	15.5	9/12/02	< 0.85	< 1.1	58 J	< 0.95	< 2.1	5.9 JB	< 1.0	< 1.1	< 12
SB-26	11.9	9/13/02	< 0.83	< 1.1	70	< 0.92	< 2.0	7.4 JB	< 0.98	< 1.1	< 12
SB-26	17.5	9/13/02	< 0.87	6.2 J	210	< 0.96	< 2.1	6.3 JB	< 1.1	< 1.1	55
SB-27	11.5	9/13/02	< 0.99	21	87	< 1.1	< 2.4	6.6 JB	< 1.2	11	18 J
SB-27	17	9/13/02	< 0.78	< 0.98	100	< 0.87	< 1.9	6.1 JB	< 0.92	< 0.98	14 J
SB-28	5	9/13/02	< 23	< 19	470 J	< 13	< 18	38 JB	< 15	< 9.8	< 350
SB-29	6	9/13/02	< 120	< 94	< 1,300	< 65	< 86	240 J	< 75	< 49	< 1,800
SB-30	8.5-9.4	11/21/02	< 6.2	< 6.2	76	< 6.2	< 6.2	< 13	< 6.2	< 6.2	< 25 R
SB-30	14.4-15.3	11/21/02	< 9.9	< 9.9	130	< 9.9	< 9.9	< 20	< 9.9	< 9.9	< 40 R
SB-30	24-24.9	11/21/02	< 6.5	< 6.5	100	< 6.5	< 6.5	< 13	< 6.5	< 6.5	< 26 R
SB-30	29-29.9	11/21/02	< 6.3	18	< 6.3	< 6.3	< 6.3	< 13	< 6.3	< 6.3	< 26 R
SB-30	40.5-41.4	11/21/02	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 13	< 6.4	< 6.4	< 26 R
SB-30	44.5-45.4	11/21/02	< 30	< 30	360	< 30	< 30	< 59	< 30	130	< 120 R
SB-31	10.2 -11.1	11/21/02	< 24	< 24	270	< 24	< 24	< 48	< 24	< 24	< 95 R
SB-31	28.8 - 29.7	11/21/02	< 6.2	12	93	< 6.2	< 6.2	< 13	< 6.2	< 6.2	< 25 R
SB-31	35-35.9	11/21/02	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 13	< 6.1	< 6.1	< 25 R
SB-32	24.6-25.5	11/22/02	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 13	< 6.3	< 6.3	< 25 R
SB-33	10-10.9	11/22/02	< 34	< 34	< 340	< 34	< 34	< 67	< 34	< 34	< 140 R
SB-33	14.1-15	11/22/02	< 32	< 32	< 320	< 32	< 32	< 63	< 32	< 32	< 130 R
SB-33	24.6-25.5	11/22/02	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 13	< 6.4	< 6.4	< 26 R
SB-34	10.6-11.5	11/23/02	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 14	< 6.6	< 6.6	< 27 R
SB-34	14.7-15.6	11/23/02	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 13	< 6.3	< 6.3	< 26 R
SB-34	26.4-27.3	11/25/02	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 13	< 6.2	< 6.2	< 25 J
SB-35	4 - 4.9	3/19/03	< 0.82	< 1.1	< 14	< 0.91	< 2.0	3.2 JB	< 0.96	< 1.1	< 11
SB-35	6 - 6.9	3/19/03	< 0.85	< 1.1	< 14	< 0.95	< 2.1	3.6 JB	< 1.0	< 1.1	< 12
SB-35	10 - 10.9	3/19/03	< 0.79	< 1.0	15 J	< 0.88	< 2.0	3.4 JB	< 0.93	< 1.0	< 11

D-1

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	vinyl chloride	chloroethane	acetone	1,1-dichloroethene	carbon disulfide	methylene chloride	trans-1,2-dichloroethene	1,1-dichloroethane	2-butanone (MEK)
SB-35	12 - 12.9	3/19/03	< 0.81	< 1.1	26 J	< 0.90	< 2.0	3.5 JB	< 0.96	< 1.1	< 11
SB-35	16 - 16.9	3/19/03	< 0.79	< 0.99	16 J	< 0.88	< 1.9	3.8 JB	< 0.93	< 0.99	< 11
SB-35	20 - 20.9	3/19/03	< 0.77	< 0.97	17 J	< 0.86	< 1.9	2.9 JB	< 0.91	< 0.97	< 11
SB-35	24 - 24.9	3/19/03	< 0.76	< 0.95	< 13	< 0.84	< 1.9	3.0 JB	< 0.89	< 0.95	< 11
SB-38	3	5/28/03	73	25	35 J	160	< 2.1	6.9 J	1.8 J	420	< 12
SB-38	6.4	5/28/03	< 0.93	39	26 J	< 1.1	< 2.3	< 1.5	< 1.1	170	< 13
SB-38	12.4	5/28/03	< 0.84	69	21 J	< 0.94	< 2.1	< 1.3	1.0 J	23	< 12
SB-38	17.3	5/28/03	< 0.79	46	26 J	< 0.88	< 2.0	1.3 J	1.1 J	120	< 11
SB-38	25	5/28/03	190	43	30 J	120	< 1.9	8.8 J	3.9 J	2,000	14 J
SB-38	27.8	5/28/03	610	< 1.1	39 J	37	< 2.0	< 1.3	5.7 J	1,400	13 J
SB-38	32.8	5/28/03	3.2 J	5.3 J	21 J	< 0.90	< 2.0	< 1.3	< 0.96	33	< 11
SB-38	37.8	5/28/03	7.5	3.7 J	67	4.8 J	2.5 J	2.5 J	2.5 J	110	< 12
SB-41	37	6/2/03	< 0.75	2.9 J	30 J	< 0.84	< 1.9	2.2 J	< 0.89	< 0.95	< 11
SB-41	42.5	6/2/03	< 0.73	< 0.92	14 J	< 0.81	< 1.8	2.2 J	< 0.86	< 0.92	< 9.9
MW-1	4.5	3/13/95	< 10	< 10	3,100	< 5	< 100	< 5	< 10	17	< 100
MW-1	6	3/13/95	< 10	< 10	290	< 5	< 100	< 5	< 5	6	< 100
MW-2	4.5	3/13/95	< 10	< 10	570	< 5	< 100	< 5	< 5	< 5	< 100
MW-2	6	3/13/95	< 10	< 10	200	< 5	< 100	< 5	< 5	< 5	< 100
MW-3	4.5	3/13/95	< 10	< 10	1,900	< 5	< 100	< 5	< 5	< 5	200
MW-3	6	3/13/95	< 10	< 10	410	< 5	< 100	< 5	< 5	< 5	< 100
MW-4	1.5	8/13/96	< 5	< 5	60	< 5	< 5	< 10	< 5	< 5	< 20
MW-4	3	8/13/96	< 5	< 5	77	< 5	< 5	< 10	< 5	< 5	< 20
MW-5	1.5	8/13/96	< 5	< 5	< 50	< 5	< 5	< 10	< 5	< 5	< 20
MW-5	3	8/13/96	< 5	< 5	74	< 5	< 5	< 10	< 5	< 5	< 20
MW-6	1.5	8/13/96	< 5	< 5	< 50	< 5	< 5	< 10	< 5	< 5	< 20
MW-6	3	8/13/96	< 5	< 5	85	< 5	< 5	< 10	< 5	< 5	< 20
MW-11	10	6/25/01	< 6.6	< 6.6	–	< 6.6	–	< 14	< 6.6	< 6.6	–
MW-19	44.5	1/29/04	< 0.85	< 1.1	20 J	< 0.95	< 2.1	4.7 J	< 1.0	< 1.1	< 12
INJ-2	10	6/25/01	< 6.5	< 6.5	–	< 6.5	–	< 13	< 6.5	< 6.5	–
Minimum Detected Concentration			1.3 J	2.9 J	14 J	4.8 J	2.5 J	1.3 J	1.0 J	6	13 J
Maximum Detected Concentration			610	69	3,100	160	2.5 J	1,400 JB	5.7 J	2,000	200
Total Samples Quantitated for Analyte			80	80	75	80	73	80	80	80	73
Number of Samples in which Analyte Detected			7	14	49	4	1	34	6	13	9
Frequency of Detection			9%	18%	65%	5%	1%	43%	8%	16%	12%
Minimum Detection Limit			0.73	0.92	6.1	0.81	1.8	1.3	0.86	0.92	9.9
Maximum Detection Limit			1,000	1,000	10,000	500	10,000	67	500	500	10,000

NOTES:

1. Results in µg/kg (dry weight basis).
2. Detections shown in bold; – = not quantitated.
3. < = not detected at the method reporting or detection limit shown.
4. J = the result is an estimated concentration that is less than the method reporting limit but greater than or equal to the method detection limit.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria.
7. Insufficient soil available for total solids determination for SB-38-17.3 and SB-38-32.8; dry weight basis results determined using average total solids of the six other SB-38 samples.
8. Where only m- & p-xylenes are reported, the value represents total xylenes, as reported by the laboratory.

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	cis-1,2-dichloroethene	chloroform	1,1,1-trichloroethane (TCA)	1,2-dichloroethane (EDC)	benzene	trichloroethene (TCE)	bromodichloromethane	toluene
SB-8	1	8/22/94	36	< 5	10	< 5	< 5	7	< 5	< 5
SB-8	6	8/22/94	< 500	< 500	< 500	< 500	< 500	< 500	< 500	800
SB-10	1	8/13/96	6	< 5	< 5	< 5	< 5	< 5	< 5	< 5
SB-10	3.5	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
SB-10	3.5 (dup)	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
SB-14	6	6/13/01	< 60	< 60	< 60	< 60	< 60	< 60	< 60	340
SB-16	6	6/13/01	< 57	< 57	< 57	< 57	< 57	< 57	< 57	< 57
SB-17	6	6/13/01	< 57	< 57	< 57	< 57	< 57	< 57	< 57	< 57
GP-4	2	10/10/97	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
GP-6	2	10/10/97	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
GP-7	2	10/10/97	77	< 5	< 5	< 5	< 5	21	< 5	< 5
GP-10	2	10/10/97	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
SB-19	10	11/20/01	< 29	< 29	< 29	< 29	< 29	56	< 29	< 29
SB-20	10	11/20/01	210	< 33	< 33	< 33	< 33	630	< 33	< 33
SB-21	7	9/12/02	< 16	< 14	< 16	< 16	< 15	< 26	< 12	< 14
SB-21	11	9/12/02	< 16	< 13	< 15	< 15	< 14	< 25	< 12	< 13
SB-21	16	9/12/02	< 1.1	< 0.74	< 0.74	< 0.87	< 1.1	1.2 J	< 0.69	< 1.1
SB-21	17.7	9/12/02	< 1.1	< 0.74	< 0.74	< 0.87	< 1.1	2.5 J	< 0.69	< 1.1
SB-22	11.3	9/12/02	4.2 J	< 0.74	< 0.74	< 0.87	< 1.1	0.79 J	< 0.69	< 1.1
SB-22	17.7	9/12/02	< 1.1	< 0.70	< 0.70	< 0.83	< 0.97	< 0.35	< 0.66	3.9 J
SB-23	10	9/12/02	5.0 J	< 0.81	< 0.81	< 0.95	< 1.2	< 0.40	< 0.75	< 1.2
SB-23	15.4	9/12/02	3.5 J	< 0.75	< 0.75	< 0.88	< 1.1	3.9 J	< 0.70	2.5 J
SB-24	10	9/12/02	< 16	< 13	< 16	< 16	< 15	120	< 12	< 14
SB-24	14.8	9/12/02	< 1.2	< 0.78	< 0.78	< 0.92	< 1.1	12	< 0.73	< 1.2
SB-25	11	9/12/02	< 1.2	< 0.77	< 0.77	< 0.91	< 1.1	31	< 0.72	1.9 J
SB-25	15.5	9/12/02	18	< 0.78	< 0.78	< 0.92	< 1.1	160	< 0.73	< 1.2
SB-26	11.9	9/13/02	< 1.2	< 0.76	< 0.76	< 0.90	< 1.1	< 0.38	< 0.71	< 1.2
SB-26	17.5	9/13/02	< 1.2	< 0.80	< 0.80	< 0.94	2.3 J	< 0.39	< 0.74	< 1.2
SB-27	11.5	9/13/02	< 1.4	< 0.91	< 0.91	< 1.1	4.6 J	< 0.45	< 0.85	18
SB-27	17	9/13/02	< 1.1	< 0.72	< 0.72	< 0.85	< 1.0	< 0.36	< 0.67	< 1.1
SB-28	5	9/13/02	< 13	< 11	< 12	< 13	< 12	< 21	< 9.1	24 J
SB-29	6	9/13/02	< 63	< 52	110 J	< 62	< 57	250 J	< 46	180 J
SB-30	8.5-9.4	11/21/02	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2
SB-30	14.4-15.3	11/21/02	12	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9
SB-30	24-24.9	11/21/02	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	8.3
SB-30	29-29.9	11/21/02	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
SB-30	40.5-41.4	11/21/02	18	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4
SB-30	44.5-45.4	11/21/02	< 30	< 30	< 30	< 30	< 30	< 30	< 30	1,000
SB-31	10.2 -11.1	11/21/02	< 24	< 24	< 24	< 24	< 24	< 24	< 24	< 24
SB-31	28.8 - 29.7	11/21/02	7.1	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2
SB-31	35-35.9	11/21/02	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1
SB-32	24.6-25.5	11/22/02	11	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
SB-33	10-10.9	11/22/02	39	< 34	< 34	< 34	< 34	59	< 34	< 34
SB-33	14.1-15	11/22/02	< 32	< 32	< 32	< 32	< 32	< 32	< 32	< 32
SB-33	24.6-25.5	11/22/02	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4
SB-34	10.6-11.5	11/23/02	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
SB-34	14.7-15.6	11/23/02	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
SB-34	26.4-27.3	11/25/02	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2
SB-35	4 - 4.9	3/19/03	< 1.1	< 0.75	< 0.75	< 0.88	< 1.1	< 0.37	< 0.70	2.2 J
SB-35	6 - 6.9	3/19/03	< 1.2	< 0.78	< 0.78	< 0.92	< 1.1	< 0.39	< 0.73	< 1.2
SB-35	10 - 10.9	3/19/03	< 1.1	< 0.73	< 0.73	< 0.86	< 1.1	< 0.36	< 0.68	< 1.1

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	cis-1,2-dichloroethene	chloroform	1,1,1-trichloroethane (TCA)	1,2-dichloroethane (EDC)	benzene	trichloroethene (TCE)	bromodichloromethane	toluene
SB-35	12 - 12.9	3/19/03	< 1.1	< 0.75	< 0.75	< 0.88	< 1.1	< 0.37	< 0.70	< 1.1
SB-35	16 - 16.9	3/19/03	< 1.1	< 0.72	< 0.72	< 0.85	< 1.0	1.6 J	< 0.67	< 1.1
SB-35	20 - 20.9	3/19/03	< 1.1	< 0.71	< 0.71	< 0.84	< 0.99	0.76 J	< 0.66	< 1.1
SB-35	24 - 24.9	3/19/03	< 1.1	< 0.70	< 0.70	< 0.82	< 0.96	< 0.34	< 0.65	< 1.1
SB-38	3	5/28/03	4,200	15	22,000	1.5 J	8.6	23,000	3.5 J	28,000
SB-38	6.4	5/28/03	5.9 J	< 0.86	24	< 1.1	< 1.2	22	< 0.8	56
SB-38	12.4	5/28/03	6.1 J	< 0.78	30	< 0.91	1.9 J	21	< 0.72	47
SB-38	17.3	5/28/03	< 1.1	< 0.73	0.78 J	< 0.86	< 1.1	1.4 J	< 0.68	370
SB-38	25	5/28/03	7,400	< 0.71	220	1.1 J	1.5 J	10	< 0.66	8,000
SB-38	27.8	5/28/03	2,700	< 0.76	1.1 J	0.93 J	2.7 J	1.6 J	< 0.71	5,100
SB-38	32.8	5/28/03	53	< 0.75	2.4 J	< 0.88	< 1.1	4.1 J	< 0.70	150
SB-38	37.8	5/28/03	3,100	2.1 J	450	< 0.90	< 1.1	25	< 0.71	3,500
SB-41	37	6/2/03	< 1.1	< 0.69	< 0.69	< 0.81	< 0.96	< 0.34	< 0.64	< 1.1
SB-41	42.5	6/2/03	< 0.98	< 0.67	< 0.67	< 0.79	< 0.93	< 0.33	< 0.63	< 0.99
MW-1	4.5	3/13/95	150	< 5	22	< 5	< 5	28	< 5	78
MW-1	6	3/13/95	77	< 5	14	< 5	< 5	21	< 5	49
MW-2	4.5	3/13/95	8	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-2	6	3/13/95	10	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-3	4.5	3/13/95	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-3	6	3/13/95	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-4	1.5	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-4	3	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-5	1.5	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-5	3	8/13/96	< 5	< 5	< 5	< 5	< 5	21	< 5	< 5
MW-6	1.5	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-6	3	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MW-11	10	6/25/01	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	7	< 6.6	< 6.6
MW-19	44.5	1/29/04	< 1.2	< 0.78	< 0.78	< 0.92	< 1.1	< 0.39	< 0.73	< 1.2
INJ-2	10	6/25/01	50	-	< 6.5	< 6.5	< 6.5	62	< 6.5	< 6.5
Minimum Detected Concentration			3.5 J	2.1 J	0.78 J	0.93 J	1.5 J	0.76 J	3.5 J	1.9 J
Maximum Detected Concentration			7,400	15	22,000	1.5	8.6	23,000	3.5 J	28,000
Total Samples Quantitated for Analyte			80	79	80	80	80	80	80	80
Number of Samples in which Analyte Detected			25	2	12	3	6	29	1	21
Frequency of Detection			31%	3%	15%	4%	8%	36%	1%	26%
Minimum Detection Limit			0.98	0.67	0.67	0.79	0.93	0.33	0.63	0.99
Maximum Detection Limit			500	500	500	500	500	500	500	57
NOTES:										
1. Results in µg/kg (dry weight basis).										
2. Detections shown in bold; - = not quantitated.										
3. < = not detected at the method reporting or detection limit shown.										
4. J = the result is an estimated concentration that is less than the method reporting limit but greater than or equal to the method detection limit.										
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.										
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria.										
7. Insufficient soil available for total solids determination for SB-38-17.3 and SB-38-32.8; dry weight basis results determined using average total solids of the six other SB-38 samples.										
8. Where only m- & p-xylenes are reported, the value represents total xylenes, as reported by the laboratory.										

D-1

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	1,1,2-trichloroethane	tetrachloroethene (PCE)	dibromochloromethane	ethylbenzene	m- & p-xylenes	o-xylene	styrene	isopropylbenzene	1,1,2,2-tetrachloroethane
SB-8	1	8/22/94	< 5	17	< 5	< 5	< 5	< 5	< 5	–	< 5
SB-8	6	8/22/94	< 500	< 500	< 500	600	3,900	–	< 500	–	< 500
SB-10	1	8/13/96	< 5	23	< 5	< 5	< 5	< 5	< 5	< 20	< 5
SB-10	3.5	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5
SB-10	3.5 (dup)	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5
SB-14	6	6/13/01	< 60	< 60	< 60	64	250	87	–	–	< 60
SB-16	6	6/13/01	< 57	< 57	< 57	< 57	< 57	< 57	–	–	< 57
SB-17	6	6/13/01	< 57	< 57	< 57	< 57	< 57	< 57	–	–	< 57
GP-4	2	10/10/97	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5
GP-6	2	10/10/97	< 5	< 5	< 5	< 5	5	–	< 5	< 20	< 5
GP-7	2	10/10/97	< 5	310	< 5	< 5	< 5	< 5	< 5	< 20	6
GP-10	2	10/10/97	< 5	60	< 5	< 5	< 5	< 5	< 5	< 20	< 5
SB-19	10	11/20/01	< 29	3,500	< 29	< 29	< 29	< 29	–	–	< 29
SB-20	10	11/20/01	< 33	910	< 33	< 33	< 33	< 33	–	–	< 33
SB-21	7	9/12/02	< 14	2,500	< 12	< 14	< 26	< 11	< 13	< 9.3	< 19
SB-21	11	9/12/02	< 13	800	< 11	< 13	< 25	< 11	< 13	< 9.0	< 19
SB-21	16	9/12/02	< 0.89	28	< 0.78	< 0.74	< 2.0	< 0.89	< 0.94	< 0.88	< 0.94
SB-21	17.7	9/12/02	< 0.90	33	< 0.78	< 0.74	< 2.0	< 0.90	< 0.95	< 0.88	< 0.95
SB-22	11.3	9/12/02	< 0.90	30	< 0.78	< 0.74	< 2.0	< 0.90	< 0.95	< 0.88	< 0.95
SB-22	17.7	9/12/02	< 0.85	< 0.39	< 0.74	3.8 J	5.6 J	2.3 J	< 0.90	< 0.84	< 0.90
SB-23	10	9/12/02	< 0.98	0.96 J	< 0.85	< 0.81	3.5 J	6.1 J	< 1.1	< 0.96	< 1.1
SB-23	15.4	9/12/02	< 0.90	81	< 0.79	< 0.75	2.8 J	0.99 J	< 0.96	< 0.89	< 0.96
SB-24	10	9/12/02	< 14	830	< 12	< 14	< 26	< 11	< 13	< 9.3	< 19
SB-24	14.8	9/12/02	< 0.94	56	< 0.82	< 0.78	< 2.1	< 0.94	< 1.0	< 0.93	< 1.0
SB-25	11	9/12/02	< 0.93	< 0.42	< 0.81	< 0.77	< 2.1	< 0.93	< 0.99	< 0.92	< 0.99
SB-25	15.5	9/12/02	< 0.95	0.63 J	< 0.83	< 0.78	< 2.1	< 0.95	< 1.0	< 0.94	< 1.0
SB-26	11.9	9/13/02	< 0.92	< 0.42	< 0.80	< 0.76	< 2.0	< 0.92	< 0.98	< 0.91	< 0.98
SB-26	17.5	9/13/02	< 0.96	< 0.44	< 0.84	< 0.80	< 2.1	< 0.96	< 1.1	< 0.95	< 1.1
SB-27	11.5	9/13/02	< 1.1	3.3 J	< 0.96	< 0.91	< 2.4	< 1.1	< 1.2	< 1.1	< 1.2
SB-27	17	9/13/02	< 0.87	< 0.39	< 0.76	0.73 J	2.7 J	1.9 J	< 0.92	< 0.86	< 0.92
SB-28	5	9/13/02	< 11	14 J	< 8.8	270	910	330	< 11	270	< 15
SB-29	6	9/13/02	< 54	160,000	< 45	75 J	270 J	100 J	< 51	< 37	< 75
SB-30	8.5-9.4	11/21/02	< 6.2	< 6.2	< 6.2	17	49	27	< 6.2	< 25	< 6.2
SB-30	14.4-15.3	11/21/02	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 40	< 9.9
SB-30	24-24.9	11/21/02	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 26	< 6.5
SB-30	29-29.9	11/21/02	< 6.3	< 6.3	< 6.3	< 6.3	7.6	< 6.3	< 6.3	< 26	< 6.3
SB-30	40.5-41.4	11/21/02	< 6.4	< 6.4	< 6.4	< 6.4	10	< 6.4	< 6.4	< 26	< 6.4
SB-30	44.5-45.4	11/21/02	< 30	< 30	< 30	< 30	67	31	< 30	< 120	< 30
SB-31	10.2 -11.1	11/21/02	< 24	< 24	< 24	180	610	230	< 24	< 95	< 24
SB-31	28.8 - 29.7	11/21/02	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 25	< 6.2
SB-31	35-35.9	11/21/02	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 6.1	< 25	< 6.1
SB-32	24.6-25.5	11/22/02	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 25	< 6.3
SB-33	10-10.9	11/22/02	< 34	1,800	< 34	< 34	< 34	< 34	< 34	< 140	< 34
SB-33	14.1-15	11/22/02	< 32	420	< 32	< 32	< 32	< 32	< 32	< 130	< 32
SB-33	24.6-25.5	11/22/02	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 6.4	< 26	< 6.4
SB-34	10.6-11.5	11/23/02	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 27	< 6.6
SB-34	14.7-15.6	11/23/02	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 26	< 6.3
SB-34	26.4-27.3	11/25/02	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 6.2	< 25	< 6.2
SB-35	4 - 4.9	3/19/03	< 0.91	4.9 J	< 0.79	< 0.75	< 2.0	< 0.91	< 0.96	< 0.89	< 0.96
SB-35	6 - 6.9	3/19/03	< 0.95	1.6 J	< 0.82	< 0.78	< 2.1	< 0.95	< 1.0	< 0.93	< 0.96
SB-35	10 - 10.9	3/19/03	< 0.88	< 0.40	< 0.77	< 0.73	< 2.0	< 0.88	< 0.93	< 0.87	< 0.93

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	1,1,2-trichloroethane	tetrachloroethene (PCE)	dibromochloromethane	ethylbenzene	m- & p-xylenes	o-xylene	styrene	isopropylbenzene	1,1,2,2-tetrachloroethane
SB-35	12 - 12.9	3/19/03	< 0.90	< 0.41	< 0.79	< 0.75	< 2.0	< 0.90	< 0.96	< 0.89	< 0.96
SB-35	16 - 16.9	3/19/03	< 0.88	< 0.4	< 0.76	< 0.72	< 1.9	< 0.88	< 0.93	< 0.86	< 0.93
SB-35	20 - 20.9	3/19/03	< 0.86	< 0.39	< 0.75	< 0.71	< 1.9	< 0.86	< 0.91	< 0.85	< 0.91
SB-35	24 - 24.9	3/19/03	< 0.84	< 0.38	< 0.73	< 0.70	< 1.9	< 0.84	< 0.89	< 0.83	< 0.89
SB-38	3	5/28/03	1.7 J	8,100	< 0.84	2,000	7,500	2,200	< 64	170	< 1.1
SB-38	6.4	5/28/03	< 1.1	6.2 J	< 0.90	2,600	10,000	2,700	< 17	81	< 1.1
SB-38	12.4	5/28/03	< 0.94	7.2	< 0.82	6.5 J	19	4.7 J	< 0.99	< 0.93	< 0.99
SB-38	17.3	5/28/03	< 0.88	< 0.40	< 0.77	110	360	91	2.7 J	3.6 J	< 0.93
SB-38	25	5/28/03	< 0.86	6.1	< 0.75	1,100	3,600	1,100	< 13	28	< 0.91
SB-38	27.8	5/28/03	< 0.92	0.95 J	< 0.80	1,400	4,800	1,300	< 17	34	< 0.98
SB-38	32.8	5/28/03	< 0.90	1.6 J	< 0.79	47	170	56	3.0 J	3.3 J	< 0.96
SB-38	37.8	5/28/03	< 0.92	130	< 0.80	620	2,100	680	< 0.98	12 J	< 0.98
SB-41	37	6/2/03	< 0.84	< 0.38	< 0.73	120	370	2.7 J	< 0.89	4.0 J	< 0.89
SB-41	42.5	6/2/03	< 0.81	< 0.37	< 0.71	2.6 J	46	< 0.81	< 0.86	< 0.80	< 0.86
MW-1	4.5	3/13/95	< 5	47	< 5	25	150	-	< 5	-	< 5
MW-1	6	3/13/95	< 5	48	< 5	21	140	-	< 5	-	< 5
MW-2	4.5	3/13/95	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5
MW-2	6	3/13/95	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5
MW-3	4.5	3/13/95	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5
MW-3	6	3/13/95	< 5	< 5	< 5	< 5	< 5	< 5	< 5	-	< 5
MW-4	1.5	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5
MW-4	3	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5
MW-5	1.5	8/13/96	< 5	110	< 5	< 5	< 5	< 5	< 5	< 20	< 5
MW-5	3	8/13/96	< 5	500	< 5	< 5	< 5	< 5	< 5	< 20	< 5
MW-6	1.5	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5
MW-6	3	8/13/96	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 20	< 5
MW-11	10	6/25/01	< 6.6	1,500	< 6.6	< 6.6	< 6.6	< 6.6	-	-	< 6.6
MW-19	44.5	1/29/04	< 0.95	< 0.43	< 0.82	< 0.78	< 2.1	< 0.95	< 1.0	< 0.93	< 1.0
INJ-2	10	6/25/01	< 6.5	9,300	< 6.5	< 6.5	< 6.5	< 6.5	-	-	< 6.5
Minimum Detected Concentration			1.7 J	0.63 J	300	0.73 J	2.7 J	1.9 J	2.7 J	3.3 J	6
Maximum Detected Concentration			1.7 J	160,000	300	2,600	10,000	2,700	3.0 J	270	6
Total Samples Quantitated for Analyte			80	80	80	80	80	76	73	65	80
Number of Samples in which Analyte Detected			1	36	1	20	26	19	2	9	1
Frequency of Detection			1%	45%	1%	25%	33%	25%	3%	14%	1%
Minimum Detection Limit			0.81	0.37	0.71	0.70	1.9	0.81	0.86	0.80	0.86
Maximum Detection Limit			500	500	500	57	57	57	500	140	500
<p>NOTES:</p> <ol style="list-style-type: none"> Results in µg/kg (dry weight basis). Detections shown in bold; - = not quantitated. < = not detected at the method reporting or detection limit shown. J = the result is an estimated concentration that is less than the method reporting limit but greater than or equal to the method detection limit. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. Insufficient soil available for total solids determination for SB-38-17.3 and SB-38-32.8; dry weight basis results determined using average total solids of the six other SB-38 samples. Where only m- & p-xylenes are reported, the value represents total xylenes, as reported by the laboratory. 											

D-1

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	n-propylbenzene	4-chlorotoluene	1,3,5-trimethylbenzene	1,2,4-trimethylbenzene	sec-butylbenzene	4-isopropyltoluene	n-butylbenzene	naphthalene	hexachlorobutadiene	n-hexane
SB-8	1	8/22/94	—	—	—	—	—	—	—	—	—	< 100
SB-8	6	8/22/94	—	—	—	—	—	—	—	—	—	< 10,000
SB-10	1	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
SB-10	3.5	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
SB-10	3.5 (dup)	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
SB-14	6	6/13/01	—	—	—	—	—	—	—	—	—	—
SB-16	6	6/13/01	—	—	—	—	—	—	—	—	—	—
SB-17	6	6/13/01	—	—	—	—	—	—	—	—	—	—
GP-4	2	10/10/97	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	—
GP-6	2	10/10/97	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	—
GP-7	2	10/10/97	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	—
GP-10	2	10/10/97	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	—
SB-19	10	11/20/01	—	—	—	—	—	—	—	—	—	—
SB-20	10	11/20/01	—	—	—	—	—	—	—	—	—	—
SB-21	7	9/12/02	< 14	< 13	< 17	< 20	< 18	< 18	< 31	< 39	< 52	< 25
SB-21	11	9/12/02	< 13	< 12	< 16	< 19	< 17	< 17	< 29	< 38	< 50	< 24
SB-21	16	9/12/02	< 0.93	< 0.96	< 4.9	< 1.1	< 0.96	< 0.93	< 0.97	< 1.2	< 0.97	< 5.2
SB-21	17.7	9/12/02	< 0.93	< 0.96	< 5.0	< 1.1	< 0.96	< 0.93	< 0.97	< 1.2	< 0.97	< 5.2
SB-22	11.3	9/12/02	< 0.94	< 0.96	< 5.0	< 1.1	< 0.96	< 0.94	< 0.98	< 1.2	< 0.98	< 5.2
SB-22	17.7	9/12/02	< 0.89	< 0.91	< 4.7	2.2 J	< 0.91	< 0.89	< 0.93	< 1.1	< 0.93	< 5.0
SB-23	10	9/12/02	< 1.1	< 1.1	< 5.4	4.2 J	< 1.1	< 1.1	< 1.1	< 1.3	< 1.1	< 5.7
SB-23	15.4	9/12/02	< 0.94	< 0.97	< 5.0	< 1.1	< 0.97	< 0.94	< 0.98	< 1.2	< 0.98	< 5.3
SB-24	10	9/12/02	< 14	< 12	< 17	< 20	< 18	< 18	< 30	< 39	< 52	26 JB
SB-24	14.8	9/12/02	< 0.98	< 1.1	< 5.2	< 1.2	< 1.1	< 0.98	< 1.1	< 1.3	< 1.1	< 5.5
SB-25	11	9/12/02	< 0.97	< 1.0	< 5.2	< 1.2	< 1.0	< 0.97	< 1.1	< 1.2	< 1.1	< 5.4
SB-25	15.5	9/12/02	< 0.99	< 1.1	< 5.2	< 1.2	< 1.1	< 0.99	< 1.1	< 1.3	< 1.1	< 5.5
SB-26	11.9	9/13/02	< 0.96	< 0.99	< 5.1	< 1.1	< 0.99	< 0.96	< 1.0	< 1.2	< 1.0	< 5.4
SB-26	17.5	9/13/02	< 1.0	< 1.1	< 5.3	< 1.2	< 1.1	< 1.0	< 1.1	< 1.3	< 1.1	< 5.6
SB-27	11.5	9/13/02	< 1.2	< 1.2	< 6.1	< 1.4	< 1.2	< 1.2	< 1.2	< 1.5	< 1.2	< 6.4
SB-27	17	9/13/02	< 0.91	< 0.93	< 4.8	< 1.1	< 0.93	< 0.91	< 0.95	< 1.2	< 0.95	< 5.1
SB-28	5	9/13/02	730	< 9.5	1,600	2,800	180 J	270	310	< 31	74 J	99 JB
SB-29	6	9/13/02	< 53	< 48	< 66	630 J	< 69	< 69	< 120	< 160	< 210	< 98
SB-30	8.5-9.4	11/21/02	< 25	< 25	< 25	< 25 R	< 25	< 25	< 25 R	< 25 R	< 25	< 13
SB-30	14.4-15.3	11/21/02	< 40	< 40	< 40	< 40 R	< 40	< 40	< 40 R	< 40 R	< 40	< 20
SB-30	24-24.9	11/21/02	< 26	< 26	< 26	< 26 R	< 26	< 26	< 26 R	< 26 R	< 26	< 13
SB-30	29-29.9	11/21/02	< 26	< 26	< 26	< 26 R	< 26	< 26	< 26 R	< 26 R	< 26	< 13
SB-30	40.5-41.4	11/21/02	< 26	< 26	< 26	< 26 R	< 26	< 26	< 26 R	< 26 R	< 26	< 13
SB-30	44.5-45.4	11/21/02	< 120	< 120	< 120	< 120 R	< 120	< 120	< 120 R	< 120 R	< 120	< 59
SB-31	10.2 - 11.1	11/21/02	< 95	< 95	< 95	110 J	< 95	< 95	< 95	< 95 R	< 95	< 48
SB-31	28.8 - 29.7	11/21/02	< 25	< 25	< 25	< 25 R	< 25	< 25	< 25	< 25 R	< 25	< 13
SB-31	35-35.9	11/21/02	< 25	< 25	< 25	< 25 R	< 25	< 25	< 25	< 25 R	< 25	< 13
SB-32	24.6-25.5	11/22/02	< 25	< 25	< 25	< 25 R	< 25	< 25	< 25	< 25 R	< 25	< 13
SB-33	10-10.9	11/22/02	< 140	< 140	< 140	< 140 R	< 140	< 140	< 140	< 140 R	< 140	< 67
SB-33	14.1-15	11/22/02	< 130	< 130	< 130	< 130 R	< 130	< 130	< 130 R	< 130 R	< 130	< 63
SB-33	24.6-25.5	11/22/02	< 26	< 26	< 26	< 26 R	< 26	< 26	< 26 R	< 26 R	< 26	< 13
SB-34	10.6-11.5	11/23/02	< 27	< 27	< 27	< 27 R	< 27	< 27	< 27 R	< 27 R	< 27	< 14
SB-34	14.7-15.6	11/23/02	< 26	< 26	< 26	< 26 R	< 26	< 26	< 26 R	< 26 R	< 26	< 13
SB-34	26.4-27.3	11/25/02	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 13
SB-35	4 - 4.9	3/19/03	< 0.95	< 0.97	< 5.0	< 1.1	< 0.97	< 0.95	< 0.99	< 1.2	< 0.99	< 5.3
SB-35	6 - 6.9	3/19/03	< 0.99	< 1.1	< 5.2	< 1.2	< 1.1	< 0.99	< 1.1	< 1.3	< 1.1	< 5.5
SB-35	10 - 10.9	3/19/03	< 0.92	< 0.95	< 4.9	< 1.1	< 0.95	< 0.92	< 0.96	< 1.2	< 0.96	< 5.1

VOCs Detected in Soil Samples
Univar USA Inc. Facility, Kent, Washington

Location	Depth	Date	n-propylbenzene	4-chlorotoluene	1,3,5-trimethylbenzene	1,2,4-trimethylbenzene	sec-butylbenzene	4-isopropyltoluene	n-butylbenzene	naphthalene	hexachlorobutadiene	n-hexane
SB-35	12 - 12.9	3/19/03	< 0.94	< 0.97	< 5.0	< 1.1	< 0.97	< 0.94	< 0.98	< 1.2	< 0.98	< 5.3
SB-35	16 - 16.9	3/19/03	< 0.91	< 0.94	< 4.8	< 1.1	< 0.94	< 0.91	< 0.95	< 1.2	< 0.95	< 5.1
SB-35	20 - 20.9	3/19/03	< 0.90	< 0.92	< 4.8	< 1.1	< 0.92	< 0.90	< 0.94	< 1.2	< 0.94	< 5.0
SB-35	24 - 24.9	3/19/03	< 0.88	< 0.9	< 4.7	< 1.0	< 0.90	< 0.88	< 0.92	< 1.1	< 0.92	< 4.9
SB-38	3	5/28/03	1,500	< 1.1	2,500	490	12 J	13 J	10 J	18 J	< 1.1	–
SB-38	6.4	5/28/03	140	1.9 J	240	460	< 1.2	3.2 J	< 1.2	3.5 J	< 1.2	–
SB-38	12.4	5/28/03	1.5 J	< 1.1	< 5.2	4.3 J	< 1.1	< 0.98	< 1.1	< 1.3	< 1.1	–
SB-38	17.3	5/28/03	8.1 J	< 0.94	13 J	21 J	< 0.94	< 0.92	< 0.96	< 1.2	< 0.96	–
SB-38	25	5/28/03	54	< 0.93	84	150	< 0.93	< 0.90	< 0.94	1.2 J	< 0.94	–
SB-38	27.8	5/28/03	50	< 0.99	82	150	< 0.99	< 0.96	< 1.0	< 1.2	< 1.0	–
SB-38	32.8	5/28/03	6.9 J	< 0.97	11 J	19 J	< 0.97	< 0.94	< 0.98	< 1.2	< 0.98	–
SB-38	37.8	5/28/03	27 J	< 0.99	44	86	< 0.99	< 0.96	< 1.0	< 1.2	< 1.0	–
SB-41	37	6/2/03	5.7 J	< 0.90	11 J	23	< 0.90	8.5 J	< 0.91	< 1.1	< 0.91	< 4.9
SB-41	42.5	6/2/03	< 0.85	< 0.87	< 4.5	1.5 J	< 0.87	< 0.85	< 0.88	< 1.1	< 0.88	< 4.7
MW-1	4.5	3/13/95	–	–	–	–	–	–	–	–	–	–
MW-1	6	3/13/95	–	–	–	–	–	–	–	–	–	–
MW-2	4.5	3/13/95	–	–	–	–	–	–	–	–	–	–
MW-2	6	3/13/95	–	–	–	–	–	–	–	–	–	–
MW-3	4.5	3/13/95	–	–	–	–	–	–	–	–	–	–
MW-3	6	3/13/95	–	–	–	–	–	–	–	–	–	–
MW-4	1.5	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
MW-4	3	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
MW-5	1.5	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
MW-5	3	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
MW-6	1.5	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
MW-6	3	8/13/96	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100
MW-11	10	6/25/01	–	–	–	–	–	–	–	–	–	–
MW-19	44.5	1/29/04	< 0.99	< 1.1	< 5.2	< 1.2	< 1.1	< 0.99	< 1.1	< 1.3	< 1.1	< 5.5
INJ-2	10	6/25/01	–	–	–	–	–	–	–	–	–	–
Minimum Detected Concentration			1.5 J	1.9 J	11 J	1.5 J	12 J	3.2 J	10 J	1.2 J	74 J	26 JB
Maximum Detected Concentration			1,500	1.9 J	2,500	2,800	180 J	270	310	18 J	74 J	99 JB
Total Samples Quantitated for Analyte			65	65	65	65	65	65	65	65	65	63
Number of Samples in which Analyte Detected			10	1	9	15	2	4	2	3	1	2
Frequency of Detection			15%	2%	14%	23%	3%	6%	3%	5%	2%	3%
Minimum Detection Limit			0.85	0.87	4.5	1.0	0.87	0.85	0.88	1.1	0.88	4.7
Maximum Detection Limit			140	140	140	140	140	140	140	160	210	10,000
<p>NOTES:</p> <ol style="list-style-type: none"> Results in µg/kg (dry weight basis). Detections shown in bold; – = not quantitated. < = not detected at the method reporting or detection limit shown. J = the result is an estimated concentration that is less than the method reporting limit but greater than or equal to the method detection limit. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. Insufficient soil available for total solids determination for SB-38-17.3 and SB-38-32.8; dry weight basis results determined using average total solids of the six other SB-38 samples. Where only m- & p-xylenes are reported, the value represents total xylenes, as reported by the laboratory. 												

Table D-2

**TOC in Soil Samples
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Sample Depth (feet bgs)	Date Collected	Total Organic Carbon (EPA Method 415.1)
SB-33	10 - 10.9	11/22/02	0.35
	14.1 - 15.0	11/22/02	0.43
	24.6 - 25.5	11/22/02	0.02
SB-34	10.6 - 11.5	11/23/02	0.29
	14.7 - 15.6	11/23/02	0.08
	26.4 - 27.3	11/25/05	0.08
SB-35	2 - 2.9	03/19/03	0.25
	6 - 6.9	03/19/03	0.46
	16 - 16.9	03/19/03	< 0.05
	24 - 24.9	03/19/03	< 0.05
SB-36	45.5 - 46	05/28/03	1.02
SB-37	13 - 13.5	05/29/03	16.4
SB-41	18 - 18.5	06/02/03	0.46
NOTE: All results in percent.			

Table D-3

**VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington**

	Boring	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-6 (dup)	GP-7	GP-8	GP-9
	Depth (feet)	6-8.5	8-10.5	8-10.5	8-10.5	8-10.5	8-10.5	8-10.5	8-10.5	8-10.5	8-10.5
	Sample Date	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97	10/10/97
vinyl chloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.7	0.8	1,000	1.1	0.6
chloroethane		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	290	300	< 10	35	< 0.5
acetone		< 20	24	< 20	< 20	< 20	< 20	< 20	< 400	< 20	< 20
1,1-dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	4.8
carbon disulfide		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
methylene chloride		< 1	< 1	< 1	< 1	< 1	< 1	< 1	22	< 1	< 1
trans-1,2-dichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	0.7	2.2	2.1	230	0.5	2.1
1,1-dichloroethane		< 0.5	< 0.5	< 0.5	< 0.5	0.8	11	11	< 10	6.3	< 0.5
2-butanone (MEK)		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 400	< 20	< 20
cis-1,2-dichloroethene		0.8	< 0.5	< 0.5	< 0.5	12	< 0.5	< 0.5	5,200	1	31
chloroform		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
1,1,1-trichloroethane (TCA)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
1,2-dichloroethane (EDC)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.8	< 10	< 0.5	< 0.5
benzene		< 0.5	320	< 0.5	< 0.5	< 0.5	17	17	< 10	< 0.5	< 0.5
trichloroethene (TCE)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	290
toluene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	39	39	< 10	< 0.5	< 0.5
4-methyl-2-pentanone (MIBK)		< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 400	< 20	< 20
trichloroethene (PCE)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
chlorobenzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
ethylbenzene		< 0.5	3.2	< 0.5	< 0.5	< 0.5	150	150	< 10	< 0.5	< 0.5
m- & p-xylenes		< 0.5	3	< 0.5	< 0.5	< 0.5	580	600	< 10	< 0.5	< 0.5
o-xylene		< 0.5	–	< 0.5	< 0.5	< 0.5	–	–	< 10	< 0.5	< 0.5
styrene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 0.5	< 0.5
isopropylbenzene		< 2	24	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
n-propylbenzene		< 2	28	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
1,3,5-trimethylbenzene		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
1,2,4-trimethylbenzene		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
sec-butylbenzene		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
4-isopropyltoluene		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
n-butylbenzene		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
naphthalene		< 2	7	< 2	< 2	< 2	< 2	< 2	< 40	< 2	< 2
n-hexane		–	–	–	–	–	–	–	–	–	–

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington

	Boring	GP-10	GP-12	GP-12	GP-12	GP-12	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14
	Depth (feet)	8-10.5	15-16	23-24	31-32	39-40	6-7	4-9.5	8-12	8-10	8-10	12-16
	Sample Date	10/10/97	1/6/99	1/6/99	1/6/99	1/6/99	1/20/95	8/13/96	6/13/01	6/13/01	6/13/01	6/13/01
vinyl chloride	< 0.5	0.8	< 0.5	< 0.5	< 0.5	510	0.6	< 0.5	0.69	< 0.5	< 5	
chloroethane	550	< 0.5	< 0.5	< 0.5	< 0.5	28	2.7	< 0.5	< 0.5	0.51	1,700	
acetone	< 20	< 20	< 20	< 20	< 20	1,900	< 20	–	–	–	–	
1,1-dichloroethene	< 0.5	5.4	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	1.6	< 0.5	< 5	
carbon disulfide	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 100	< 0.5	–	–	–	–	
methylene chloride	< 1	< 1	< 1	< 1	< 1	38	< 1	< 1	< 1	< 1	23	
trans-1,2-dichloroethene	1.3	0.9	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	3.1	0.81	< 5	
1,1-dichloroethane	5.9	< 0.5	< 0.5	0.6	< 0.5	2,600	16	< 0.5	< 0.5	< 0.5	29	
2-butanone (MEK)	< 20	< 20	< 20	< 20	< 20	200	< 20	–	–	–	–	
cis-1,2-dichloroethene	1.6	5.9	1	< 0.5	< 0.5	7,400	< 0.5	< 0.5	48	9.3	< 5	
chloroform	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	140	< 0.5	< 0.5	< 0.5	0.5	< 5	
1,1,1-trichloroethane (TCA)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1,100	< 0.5	< 0.5	< 0.5	< 0.5	< 5	
1,2-dichloroethane (EDC)	5.1	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	
benzene	11	< 0.5	< 0.5	< 0.5	< 0.5	7	< 0.5	< 0.5	< 0.5	< 0.5	24	
trichloroethene (TCE)	< 0.5	100	< 0.5	< 0.5	< 0.5	480	< 0.5	< 0.5	64	1.2	< 5	
toluene	11	< 0.5	< 0.5	< 0.5	< 0.5	9,300	< 0.5	< 0.5	< 0.5	< 0.5	19	
ethyl-2-pentanone (MIBK)	< 20	< 20	< 20	< 20	< 20	120	< 20	–	–	–	–	
chloroethene (PCE)	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	680	< 0.5	< 0.5	< 0.5	< 0.5	< 5	
chlorobenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 5	
ethylbenzene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2,000	5.1	< 0.5	< 0.5	< 0.5	< 5	
m- & p-xylenes	2	< 0.5	< 0.5	< 0.5	< 0.5	9,400	13	< 0.5	< 0.5	< 0.5	< 5	
o-xylene	–	< 0.5	< 0.5	< 0.5	< 0.5	–	–	< 0.5	< 0.5	< 0.5	< 5	
styrene	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	410	< 0.5	–	–	–	–	
isopropylbenzene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
n-propylbenzene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
1,3,5-trimethylbenzene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
1,2,4-trimethylbenzene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
sec-butylbenzene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
4-isopropyltoluene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
n-butylbenzene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
naphthalene	< 2	< 2	< 2	< 2	< 2	–	< 2	–	–	–	–	
n-hexane	–	–	–	–	–	–	< 10	–	–	–	–	

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

**VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington**

Boring Depth (feet) Sample Date	SB-16	SB-17	SB-18	SB-21		SB-22		SB-23		SB-24
	10-14	10-14	6-10	10-12	17-19	10-12	17-19	10-12	17-19	10-12
	6/13/01	6/13/01	6/13/01	9/12/02	9/12/02	9/12/02	9/12/02	9/12/02	9/12/02	9/12/02
vinyl chloride	< 0.5	0.68	< 0.5	< 2.2	20	970	4.0	< 5.3	160	< 2.2
chloroethane	76	11	< 0.5	< 2.3	1.6	58	51	< 5.7	< 2.3	< 2.3
acetone	–	–	–	< 41	< 4.1	< 21	< 4.1	< 110	< 41	< 41
1,1-dichloroethene	< 0.5	< 0.5	< 0.5	< 1.2	1.3	6.1	< 0.12	< 3.0	5.6	3.7 J
carbon disulfide	–	–	–	< 1.6	< 0.16	< 0.80	< 0.16	< 4.0	< 1.6	< 1.6
methylene chloride	1.2	< 1	< 1	2.7 J	< 0.20	< 0.97	0.82 J	< 4.9	< 2.0	< 2.0
trans-1,2-dichloroethene	0.79	< 0.5	< 0.5	< 1.4	3.2	1.5 J	0.46 J	52	9.4	< 1.4
1,1-dichloroethane	6.5	4.1	1.3	< 0.91	4.9	7.8	19	< 2.3	1.6 J	6.5
2-butanone (MEK)	–	–	–	< 41	< 4.1	< 21	< 4.1	< 110	< 41	< 41
cis-1,2-dichloroethene	< 0.5	0.88	< 0.5	8.2	25	880	5.6	1,000	740	6.5
chloroform	< 0.5	0.53	< 0.5	< 0.96	< 0.096	< 0.48	< 0.096	< 2.4	< 0.96	< 0.96
1,1,1-trichloroethane (TCA)	< 0.5	< 0.5	< 0.5	< 1.2	< 0.12	< 0.57	< 0.12	< 2.9	< 1.2	< 1.2
1,2-dichloroethane (EDC)	< 0.5	< 0.5	< 0.5	< 1.2	< 0.12	< 0.57	< 0.12	< 2.9	< 1.2	< 1.2
benzene	3.6	1.6	< 0.5	< 1.1	1.9	0.90 J	2.8	< 2.7	1.5 J	< 1.1
trichloroethene (TCE)	< 0.5	< 0.5	< 0.5	57	57	2.3 J	6.1	460	240	850
toluene	0.87	< 0.5	< 0.5	< 0.98	0.26 J	6.7	0.60	< 2.5	< 0.98	< 0.98
methyl-2-pentanone (MIBK)	–	–	–	< 51	< 5.1	< 26	< 5.1	< 130	< 51	< 51
tetrachloroethene (PCE)	< 0.5	< 0.5	< 0.5	1,800	57	3.1	0.95	5,800	2,400	3,100
chlorobenzene	< 0.5	< 0.5	< 0.5	< 0.94	< 0.094	5.6	< 0.094	< 2.4	< 0.94	< 0.94
ethylbenzene	< 0.5	< 0.5	< 0.5	< 1.3	< 0.13	1.1 J	26	< 3.3	< 1.3	< 1.3
m- & p-xylenes	< 0.5	< 0.5	< 0.5	< 2.2	< 0.22	6.6	36	< 5.5	< 2.2	< 2.2
o-xylene	< 0.5	< 0.5	< 0.5	< 0.79	< 0.079	16	1.8	< 2.0	< 0.79	< 0.79
styrene	–	–	–	< 0.95 R	< 0.095 R	< 0.48 R	< 0.095 R	< 2.4 R	< 0.95 R	< 0.95
isopropylbenzene	–	–	–	< 0.68	< 0.068	0.40 J	2.1	< 1.7	< 0.68	< 0.68
n-propylbenzene	–	–	–	< 0.98	< 0.098	< 0.49	0.38 J	< 2.5	< 0.98	< 0.98
1,3,5-trimethylbenzene	–	–	–	< 1.3	< 0.13	< 0.61	4.1	< 3.1	< 1.3	< 1.3
1,2,4-trimethylbenzene	–	–	–	< 1.5	< 0.15	1.2 J	5.6	< 3.6	< 1.5	< 1.5
sec-butylbenzene	–	–	–	< 1.3	< 0.13	< 0.64	< 0.13	< 3.2	< 1.3	< 1.3
4-isopropyltoluene	–	–	–	< 1.3	< 0.13	< 0.64	< 0.13	< 3.2	< 1.3	< 1.3
n-butylbenzene	–	–	–	< 2.3	< 0.23	< 1.2	< 0.23	< 5.6	< 2.3	< 2.3
naphthalene	–	–	–	< 2.9	< 0.29	< 1.5	< 0.29	< 7.2	< 2.9	< 2.9
n-hexane	–	–	–	< 1.8	< 0.18	< 0.9	< 0.18	< 4.5	< 1.8	< 1.8

NOTES:

1. Results in µg/L.
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Table D-3

**VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington**

Boring Depth (feet) Sample Date	SB-24	SB-25		SB-26		SB-27		SB-30	
	17-19	10-12	17-19	10-12	17-19	10-12	17-19	5-7	10-12
	9/12/02	9/12/02	9/12/02	9/13/02	9/13/02	9/13/02	9/13/02	11/21/02	11/21/02
vinyl chloride	2.7	< 0.22	3.4	11	< 0.22	690	21	14	0.39 J
chloroethane	< 1.2	< 0.23	11	0.75	140	48	0.36 J	1,800	350
acetone	< 21	< 4.1	< 4.1	< 4.1	< 4.1	< 21	< 4.1	< 82	< 4.1
1,1-dichloroethene	0.95 J	1.2	0.84	0.14 J	< 0.12	< 0.60	< 0.12	< 2.4	< 0.12
carbon disulfide	< 0.80	< 0.16	< 0.16	< 0.16	0.23 J	< 0.80	< 0.16	< 3.2	< 0.16
methylene chloride	< 0.97	< 0.20	< 0.20	< 0.20	0.38 J	1.6 J	< 0.20	9.6 J	6.2
trans-1,2-dichloroethene	2.8	1.4	3.4	0.22 J	2.0	1.1 J	< 0.14	6.0 J	2.2
1,1-dichloroethane	2.2 J	0.88	2.4	13	13	15	0.36 J	280	5.5
2-butanone (MEK)	< 21	< 4.1	< 4.1	< 4.1	< 4.1	< 21	< 4.1	< 82	< 4.1
cis-1,2-dichloroethene	27	15	110	0.98	0.37 J	190	1.6	15	0.52
chloroform	< 0.48	0.31 J	< 0.096	< 0.096	< 0.096	< 0.48	< 0.096	< 2.0	< 0.096
1,1,1-trichloroethane (TCA)	< 0.57	0.47 J	< 0.12	< 0.12	< 0.12	< 0.57	< 0.12	24	< 0.12
1,2-dichloroethane (EDC)	< 0.57	< 0.12	< 0.12	< 0.12	2.1	< 0.57	< 0.12	< 2.3	< 0.12
benzene	0.70 J	< 0.11	< 0.11	0.16 J	9.0	4.3	< 0.11	9.6 J	28
trichloroethene (TCE)	180	520	55	0.44 J	< 0.12	< 0.59	0.67	< 2.4	0.17 J
toluene	< 0.49	0.23 J	0.15 J	0.45 J	1.2	29	0.52	4,000	8.9
methyl-2-pentanone (MIBK)	< 26	< 5.1	< 5.1	< 5.1	< 5.1	< 26	< 5.1	< 110	< 5.1
tetrachloroethene (PCE)	660	8.3	0.67	0.42 J	< 0.11	< 0.55	8.0	3.6 J	< 0.11
chlorobenzene	< 0.47	< 0.094	< 0.094	< 0.094	< 0.094	< 0.47	< 0.094	< 1.9	< 0.094
ethylbenzene	< 0.65	< 0.13	< 0.13	1.2	1.2	190	1.3	1,700	40
m- & p-xylenes	< 1.1	< 0.22	< 0.22	< 0.22	1.2	520	3.3	5,900	92
o-xylene	< 0.40	< 0.079	< 0.079	0.66	2.7	330	2.1	2,100	80
styrene	< 0.48	< 0.095 R	< 0.095 R	< 0.095	< 0.095	< 0.48	< 0.095	< 1.9	< 0.095
isopropylbenzene	< 0.34	< 0.068	< 0.068	0.23 J	< 0.068	4.5 J	< 0.068	120	1.4 J
n-propylbenzene	< 0.49	< 0.098	< 0.098	0.21 J	< 0.098	3.1 J	< 0.098	230	1.5 J
1,3,5-trimethylbenzene	< 0.61	< 0.13	< 0.13	< 0.13	< 0.13	13	< 0.13	450	3.5
1,2,4-trimethylbenzene	< 0.71	< 0.15	< 0.15	< 0.15	< 0.15	35	0.19 J	860	6.9
sec-butylbenzene	< 0.64	< 0.13	< 0.13	< 0.13	< 0.13	< 0.64	< 0.13	8.4 J	< 0.13
4-isopropyltoluene	< 0.64	< 0.13	< 0.13	< 0.13	< 0.13	< 0.64	< 0.13	16 J	0.17 J
n-butylbenzene	< 1.2	< 0.23	< 0.23	< 0.23	< 0.23	< 1.2	< 0.23	< 4.5	< 0.23
naphthalene	< 1.5	< 0.29	< 0.29	< 0.29	< 0.29	< 1.5	< 0.29	13 J	< 0.29
n-hexane	< 0.9	< 0.18	< 0.18	< 0.18	< 0.18	< 0.90	< 0.18	15	< 0.18

NOTES:

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Table D-3

**VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington**

Boring Depth (feet) Sample Date	SB-30						SB-31		
	15-17	20-22	24-26	28-30	35-37	40-42	5-7	10-12	15-17
	11/21/02	11/21/02	11/21/02	11/21/02	11/21/02	11/21/02	11/22/2002	11/22/02	11/22/02
vinyl chloride	5.6	1.1 J	< 5.3	< 1.1	< 0.22	1,900	14	< 2.2	3.9
chloroethane	17	680	2,100	770	27	< 12	300	1,000	250
acetone	24	< 21	< 110	< 21	< 4.1	< 210	26 J	< 41	16 J
1,1-dichloroethene	0.42 J	< 0.60	< 3.0	< 0.60	< 0.12	120	< 0.69	< 1.2	< 0.24
carbon disulfide	< 0.16	< 0.80	< 4.0	< 0.80	0.20 J	< 8.0	< 1.5	< 1.6	< 0.32
methylene chloride	1.0 J	16	38 J	8.5 J	0.40 J	18 J	3.1 J	8.1 J	1.4 J
trans-1,2-dichloroethene	0.68	12	16	8.1	0.15 J	21 J	2.5 J	6.7 J	12
1,1-dichloroethane	76	870	630	67	31	750	5.9	46	590
2-butanone (MEK)	20	< 21	< 110	< 21	< 4.1	< 210	< 8.4	< 41	8.5 J
cis-1,2-dichloroethene	50	1.3 J	< 2.9	< 0.58	< 0.12	12,000	35	1.9 J	17
chloroform	0.52	< 0.48	< 2.4	< 0.48	< 0.096	< 4.8	< 0.57	< .96	< 0.20
1,1,1-trichloroethane (TCA)	< 0.12	< 0.57	< 2.9	< 0.57	< 0.12	370	< 0.57	< 1.2	< 0.23
1,2-dichloroethane (EDC)	0.28 J	4.1	9.8 J	4.5	< 0.12	< 5.7	< 0.67	< 1.2	< 0.23
benzene	0.83	5.2	9.8 J	4.5	0.20 J	< 5.3	3.5 J	20	21
trichloroethene (TCE)	< 0.12	< 0.59	< 3.0	< 0.59	< 0.12	7,200	5.1	< 1.2	< 0.24
toluene	10	1,000	5,100	530	4.1	9,800	330	1,700	650
methyl-2-pentanone (MIBK)	< 5.1	< 26	< 130	< 26	< 5.1	< 260	< 5.5	< 51	< 11
tetrachloroethene (PCE)	< 0.11	< 0.55	< 2.8	< 0.55	< 0.11	7,400	11	3.1 J	< 0.22
chlorobenzene	< 0.094	< 0.47	< 2.4	< 0.47	< 0.094	< 4.7	< 0.7	< .94	< 0.19
ethylbenzene	2.2	190	530	5.3	52	2,200	180	1,400	36
m- & p-xylenes	7.7	560	1,500	9.6	150	6,300	760	4,700	45
o-xylene	3.3	190	520	7.4	56	2,300	310	1,800	24
styrene	< 0.095	< 0.48	< 2.4	< 0.48	< 0.095	< 4.8	11	< .95	< 0.19
isopropylbenzene	0.29 J	3.2 J	19 J	< 0.34	1.6 J	69 J	21	62	0.76 J
n-propylbenzene	0.49 J	1.4 J	17 J	< 0.49	1.6 J	86 J	35	85	0.84 J
1,3,5-trimethylbenzene	1.3 J	4.1 J	40 J	< 0.61	3.8	160	75	210	2.5 J
1,2,4-trimethylbenzene	2.2	6.8 J	68	< 0.71	6.8	320	150	470	5.6
sec-butylbenzene	< 0.13	< 0.64	< 3.2	< 0.64	< 0.13	< 6.4	1.8 J	2.6 J	< 0.26
4-isopropyltoluene	< 0.13	< 0.64	< 3.2	< 0.64	< 0.13	< 6.4	17 J	11 J	< 0.26
n-butylbenzene	< 0.23	< 1.2	< 5.6	< 1.2	< 0.23	< 12	1.1 J	< 2.3	< 0.45
naphthalene	< 0.29	< 1.5	< 7.2	< 1.5	< 0.29	< 15	3.7 J	9.1 J	< 0.57
n-hexane	0.32 J	< 0.90	< 4.5	< 0.90	0.56	19 J	23	16	6.4

NOTES:

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Table D-3

**VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington**

Boring Depth (feet) Sample Date	SB-31						SB-32	SB-32	
	20-22	24-26	28-30	34-36	34-36 (dup)	40-42	15-17	20-22	25-27
	11/22/02	11/22/02	11/22/02	11/22/02	11/22/02	11/22/02	11/25/02	11/25/02	11/25/02
vinyl chloride	< 11	< 5.3	< 2.2	4,700	4,800	0.43 J	< 2.2	< 0.22	< 0.22
chloroethane	1,600	2,400	2,100	710	710	9.8	< 2.3	16	< 0.23
acetone	< 210	< 110	< 41	< 210	< 210	< 4.1	< 41	< 4.1	< 4.1
1,1-dichloroethene	< 6.0	< 3.0	< 1.2	13 J	< 6.0	< 0.12	< 1.2	< 0.12	< 0.12
carbon disulfide	< 8.0	< 4.0	< 1.6	< 8.0	< 8.0	0.46 J	< 1.6	< 0.16	< 0.16
methylene chloride	< 9.7	9.0 J	< 2.0	< 9.7	10 J	0.50 J	< 2	< 0.20	< 0.20
trans-1,2-dichloroethene	19 J	28	12	13 J	13 J	0.18 J	< 1.4	0.22 J	< 0.14
1,1-dichloroethane	220	43	21	3,400	3,400	20	< .91	2.3	0.14 J
2-butanone (MEK)	< 210	< 110	< 41	< 210	< 210	5.0 J	< 41	< 4.1	4.6 J
cis-1,2-dichloroethene	< 5.8	< 2.9	< 1.2	1,800	1,800	0.7	15	0.18 J	0.53
chloroform	< 4.8	< 2.4	< .96	< 4.8	< 4.8	< 0.096	< .96	< 0.096	< 0.096
1,1,1-trichloroethane (TCA)	< 5.7	< 2.9	< 1.2	19 J	18 J	< 0.12	< 1.2	< 0.12	< 0.12
1,2-dichloroethane (EDC)	11 J	25	21	< 5.7	< 5.7	< 0.12	< 1.2	0.18 J	< 0.12
benzene	34	31	30	6.0 J	5.5 J	< 0.11	< 1.1	1.2	0.12 J
trichloroethene (TCE)	< 5.9	< 3.0	< 1.2	< 5.9	< 5.9	< 0.12	65	0.76	< 0.12
toluene	8,900	7,300	88	11,000	11,000	39	< .98	0.31 J	0.13 J
methyl-2-pentanone (MIBK)	< 260	< 130	< 51	< 260	< 260	< 5.1	< 51	< 5.1	< 5.1
perchloroethene (PCE)	< 5.5	< 2.8	< 1.1	< 5.5	< 5.5	0.28 J	1,400	14	0.80
chlorobenzene	< 4.7	< 2.4	< .94	< 4.7	< 4.7	< 0.094	< .94	< 0.094	< 0.094
ethylbenzene	180	430	28	1,000	1,000	9	< 1.3	< 0.13	< 0.13
m- & p-xylenes	390	1,100	33	3,000	3,000	26	< 2.2	< 0.22	< 0.22
o-xylene	190	550	31	1,100	1,100	6.3	< .79	0.22 J	< 0.079
styrene	< 4.8	< 2.4	< .95	< 4.8	< 4.8	< 0.095	< .95	< 0.095	< 0.095
isopropylbenzene	< 3.4	4.5 J	< 0.68	28 J	28 J	0.39 J	< .68	< 0.068	< 0.068
n-propylbenzene	< 4.9	5.5 J	< 0.98	43 J	43 J	0.83 J	< 0.98	< 0.098	< 0.098
1,3,5-trimethylbenzene	< 6.1	14 J	< 1.3	77 J	77 J	1.2 J	< 1.3	< 0.13	< 0.13
1,2,4-trimethylbenzene	9.0 J	33 J	< 1.5	130	130	2.4	< 1.5	< 0.15	< 0.15
sec-butylbenzene	< 6.4	< 3.2	< 1.3	< 6.4	< 6.4	< 0.13	< 1.3	< 0.13	< 0.13
4-isopropyltoluene	< 6.4	4.0 J	< 1.3	< 6.4	< 6.4	0.21 J	< 1.3	< 0.13	< 0.13
n-butylbenzene	< 12	< 5.6	< 2.3	< 12	< 12	< 0.23	< 2.3	< 0.23	< 0.23
naphthalene	< 15	< 7.2	< 2.9	< 15	< 15	< 0.29	< 2.9	< 0.29	< 0.29
n-hexane	< 9.0	< 4.5	< 1.8	18 J	18 J	0.72	< 1.8	< 0.18	< 0.18

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

**VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington**

Boring Depth (feet) Sample Date	SB-32			SB-33				SB-33		
	30-32	35-37	40-42	10-12	15-17	20-22	25-27	30-32	35-37	40-42
	11/25/02	11/25/02	11/25/02	11/22/02	11/22/02	11/22/02	11/22/02	11/22/02	11/22/02	11/22/02
vinyl chloride	< 0.22	< 0.22	< 0.22	19	11 J	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
chloroethane	< 0.23	< 0.23	< 0.23	< 4.6	< 5.7	13	30	< 0.23	< 0.23	< 0.23
acetone	< 4.1	< 4.1	< 4.1	< 82	< 110	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
1,1-dichloroethene	< 0.12	< 0.12	< 0.12	3.0 J	< 3.0	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
carbon disulfide	< 0.16	< 0.16	< 0.16	< 3.2	< 4.0	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
methylene chloride	< 0.20	< 0.20	< 0.20	< 3.9	< 4.9	< 0.20	0.31 J	0.34 J	0.51 J	0.20 J
trans-1,2-dichloroethene	< 0.14	< 0.14	< 0.14	15	17	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,1-dichloroethane	< 0.091	< 0.091	< 0.091	< 1.9	< 2.3	0.78	0.87	< 0.091	< 0.091	< 0.091
2-butanone (MEK)	< 4.1	< 4.1	< 4.1	< 82	< 110	< 4.1	< 4.1	< 4.1	< 4.1	5.3 J
cis-1,2-dichloroethene	0.25 J	0.20 J	0.20 J	400	580	< 0.12	0.22 J	0.16 J	0.23 J	0.24 J
chloroform	0.13 J	< 0.096	< 0.096	< 2.0	< 2.4	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096
1,1,1-trichloroethane (TCA)	< 0.12	< 0.12	< 0.12	< 2.3	< 2.9	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,2-dichloroethane (EDC)	< 0.12	< 0.12	< 0.12	< 2.3	< 2.9	0.26 J	< 0.12	< 0.12	< 0.12	< 0.12
benzene	< 0.11	< 0.11	< 0.11	< 2.1	< 2.7	0.49 J	0.28 J	< 0.11	< 0.11	< 0.11
trichloroethene (TCE)	< 0.12	< 0.12	< 0.12	550	710	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
toluene	< 0.098	< 0.098	< 0.098	< 2.0	< 2.5	0.11 J	0.10 J	< 0.098	< 0.098	< 0.098
thyl-2-pentanone (MIBK)	< 5.1	< 5.1	< 5.1	< 110	< 130	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
chloroethene (PCE)	0.39 J	0.96	1.40	3,900	8,100	0.44 J	0.65	< 0.11	< 0.11	0.19 J
chlorobenzene	< 0.094	< 0.094	< 0.094	< 1.9	< 2.4	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094
ethylbenzene	< 0.13	< 0.13	< 0.13	< 2.6	< 3.3	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
m- & p-xylenes	< 0.22	< 0.22	< 0.22	< 4.4	< 5.5	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
o-xylene	< 0.079	< 0.079	< 0.079	< 1.6	< 2.0	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
styrene	< 0.095	< 0.095	< 0.095	< 1.9	< 2.4	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095
isopropylbenzene	< 0.068	< 0.068	< 0.068	< 1.8	< 1.7	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
n-propylbenzene	< 0.098	< 0.098	< 0.098	< 2.0	< 2.5	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098
1,3,5-trimethylbenzene	< 0.13	< 0.13	< 0.13	< 2.5	< 3.1	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2,4-trimethylbenzene	< 0.15	< 0.15	< 0.15	< 2.9	< 3.6	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
sec-butylbenzene	< 0.13	< 0.13	< 0.13	< 2.6	< 3.2	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
4-isopropyltoluene	< 0.13	< 0.13	< 0.13	< 2.6	< 3.2	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-butylbenzene	< 0.23	< 0.23	< 0.23	< 4.5	< 5.6	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
naphthalene	< 0.29	< 0.29	< 0.29	< 5.7	< 7.2	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
n-hexane	< 0.18	< 0.18	< 0.18	< 3.6	< 4.5	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington

Boring Depth (feet) Sample Date	SB-34						SB-34	SB-35		
	10-12	15-17	20-22	25-27	30-32	35-37	40-42	5	10	15
	11/25/02	11/25/02	11/25/02	11/25/02	11/25/02	11/25/02	11/25/02	03/19/03	03/19/03	03/19/03
vinyl chloride	11	11	77	2.0	0.39 J	< 0.22	0.25 J	< 0.22	< 0.22	2.7
chloroethane	0.65	0.8	0.74	4.0	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
acetone	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	7.5 J	< 4.1	< 4.1
1,1-dichloroethene	5.3	5.5	1.9	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	1.6
carbon disulfide	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
methylene chloride	0.48 J	0.41 J	0.44 J	< 0.20	< 0.20	< 0.20	0.34 J	< 0.20	< 0.20	< 0.20
trans-1,2-dichloroethene	28	28	18	0.15 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	2.7
1,1-dichloroethane	< 0.091	< 0.091	0.37 J	1.3	0.45 J	0.30 J	0.28 J	< 0.091	0.47 J	< 0.091
2-butanone (MEK)	< 4.1	< 4.1	< 4.1	4.6 J	5.8 J	4.6 J	4.6 J	< 4.1	< 4.1	< 4.1
cis-1,2-dichloroethene	280	290	260	3.0	1.5	1.5	0.91	< 0.12	< 0.12	43
chloroform	< 0.096	< 0.096	< 0.096	< 0.096	0.13 J	0.11 J	< 0.096	0.30 J	< 0.096	< 0.096
1,1,1-trichloroethane (TCA)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,2-dichloroethane (EDC)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
benzene	3.2	3.3	60	0.55	< 0.11	< 0.11	< 0.11	0.13 J	< 0.11	0.23 J
trichloroethene (TCE)	220	240	11	< 0.12	< 0.12	< 0.12	< 0.12	0.24 J	< 0.12	27
toluene	0.12 J	< 0.098	0.18 J	< 0.098	< 0.098	< 0.098	< 0.098	0.23 J	< 0.098	< 0.098
4-methyl-2-pentanone (MIBK)	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
1,1-dichloroethene (PCE)	0.21 J	0.28 J	< 0.11	< 0.11	0.56	< 0.11	< 0.11	1.5	0.15 J	< 0.11
chlorobenzene	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094
ethylbenzene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
m- & p-xylenes	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
o-xylene	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
styrene	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095
isopropylbenzene	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
n-propylbenzene	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098
1,3,5-trimethylbenzene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2,4-trimethylbenzene	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
sec-butylbenzene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
4-isopropyltoluene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-butylbenzene	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
naphthalene	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
n-hexane	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington

Boring Depth (feet) Sample Date	SB-35		SB-36					SB-37		
	20	25	10-12	20-22	30-32	35-37	40-42	10-12	20-22	30-32
	03/19/03	03/19/03	05/28/03	05/28/03	05/28/03	05/28/03	05/28/03	06/02/03	06/02/03	06/02/03
vinyl chloride	10	1.6	0.33 J	2.1	< 0.22	0.47 J	< 0.22	0.30 J	< 0.22	0.26 J
chloroethane	0.73	2.7	15	< 0.23	24	0.42 J	< 0.23	50	32	< 0.23
acetone	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
1,1-dichloroethene	0.27 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
carbon disulfide	< 0.16	< 0.16	< 0.16	0.53	0.17 J	0.20 J	0.22 J	< 0.16	< 0.16	< 0.16
methylene chloride	< 0.20	< 0.20	0.33 J	< 0.20	< 0.20	< 0.20	< 0.20	0.48 J	< 0.20	< 0.20
trans-1,2-dichloroethene	2.2	0.25 J	1.5	< 0.14	< 0.14	< 0.14	< 0.14	3.1	1.6	< 0.14
1,1-dichloroethane	1.1	1.3	3.0	< 0.091	6.9	0.53	< 0.091	2.1	5.2	< 0.091
2-butanone (MEK)	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
cis-1,2-dichloroethene	23	3.3	0.37 J	< 0.12	0.23 J	0.53 J	< 0.12	0.16 J	< 0.12	< 0.12
chloroform	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096
1,1,1-trichloroethane (TCA)	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,2-dichloroethane (EDC)	< 0.12	< 0.12	0.21 J	< 0.12	0.14 J	< 0.12	< 0.12	< 0.12	0.45 J	< 0.12
benzene	1.4	0.16 J	1.1	< 0.11	< 0.11	< 0.11	< 0.11	3.0	0.32 J	< 0.11
trichloroethene (TCE)	32	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
toluene	< 0.098	< 0.098	1.1	0.16 J	0.38 J	0.19 J	< 0.098	0.26 JB	0.56 B	0.15 JB
ethyl-2-pentanone (MIBK)	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
chloroethene (PCE)	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
chlorobenzene	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094
ethylbenzene	< 0.13	< 0.13	20	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	0.25 J	< 0.13
m- & p-xylenes	< 0.22	< 0.22	56	0.40 J	0.24 J	< 0.22	< 0.22	< 0.22	0.73	< 0.22
o-xylene	< 0.079	< 0.079	3.2	< 0.079	< 0.079	< 0.079	< 0.079	0.12 J	1.6	< 0.079
styrene	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095
isopropylbenzene	< 0.068	< 0.068	0.10 J	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
n-propylbenzene	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098
1,3,5-trimethylbenzene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2,4-trimethylbenzene	< 0.15	< 0.15	0.17 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
sec-butylbenzene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
4-isopropyltoluene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-butylbenzene	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
naphthalene	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
n-hexane	< 0.18	< 0.18	0.26 J	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18	< 0.18

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
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5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington

Boring	SB-37		SB-38			SB-38		SB-39		
	35-37	40-42	10-12	20-22	30-32	35-37	40-42	10-12	20-22	30-32
	Depth (feet)	Sample Date	06/02/03	06/02/03	05/28/03	05/28/03	05/28/03	05/28/03	05/29/03	05/29/03
vinyl chloride	1.8	< 0.22	< 2.2	1,100	820	570	950	< 2.2	0.41 J	< 0.22
chloroethane	< 0.23	< 0.23	270	1,700	120	110	130	4.6	< 0.23	< 0.23
acetone	< 4.1	< 4.1	< 41	1,500	< 410	< 210	< 410	< 41	4.4 J	< 4.1
1,1-dichloroethene	< 0.12	< 0.12	< 1.2	11 J	460	190	300	< 1.2	< 0.12	< 0.12
carbon disulfide	0.18 J	< 0.16	< 1.6	< 8.0	< 16	< 8.0	< 16	< 1.6	0.52	< 0.16
methylene chloride	< 0.20	< 0.20	< 2.0	26 J	41 J	22 J	25 J	< 2.0	< 0.20	< 0.20
trans-1,2-dichloroethene	< 0.14	< 0.14	2.0 J	37	34 J	19 J	20 J	4.1	< 0.14	< 0.14
1,1-dichloroethane	0.19 J	< 0.091	3.5 J	4,100	4,400	2,200	1,200	9.0	0.33 J	< 0.091
2-butanone (MEK)	< 4.1	< 4.1	< 41	490 J	< 410	< 210	< 410	< 41	< 4.1	< 4.1
cis-1,2-dichloroethene	< 0.12	< 0.12	< 1.2	1,000	36,000	19,000	26,000	0.46 J	< 0.12	< 0.12
chloroform	< 0.096	< 0.096	< 0.96	< 4.8	15 J	7.5 J	20 J	< 0.96	< 0.096	< 0.096
1,1,1-trichloroethane (TCA)	< 0.12	< 0.12	< 1.2	< 5.7	7,200	6,300	14,000	0.20 J	< 0.12	< 0.12
1,2-dichloroethane (EDC)	< 0.12	< 0.12	< 1.2	< 5.7	< 12	< 5.7	< 12	< 0.12	< 0.12	< 0.12
benzene	< 0.11	< 0.11	3.2 J	10 J	< 11	< 5.3	< 11	0.36 J	< 0.11	< 0.11
trichloroethene (TCE)	< 0.12	< 0.12	< 1.2	< 5.9	12 J	9.0 J	1,000	< 0.12	< 0.12	< 0.12
toluene	0.17 JB	0.14 JB	11	18,000	33,000	18,000	30,000	0.61	0.28 J	0.15 J
4-methyl-2-pentanone (MIBK)	< 5.1	< 5.1	< 51	610 J	< 510	< 260	< 510	< 5.1	< 5.1	< 5.1
tetrachloroethene (PCE)	< 0.11	< 0.11	< 1.1	< 5.5	< 11	8.5 J	13,000	0.15 J	< 0.11	< 0.11
chlorobenzene	< 0.094	< 0.094	< 0.94	< 4.7	< 9.4	< 4.7	< 9.4	< 0.094	< 0.094	< 0.094
ethylbenzene	< 0.13	< 0.13	1,600	1,500	3,300	2,300	4,000	< 0.13	< 0.13	< 0.13
m- & p-xylenes	< 0.22	< 0.22	4,500	4,500	10,000	7,300	13,000	0.23 J	0.23 J	< 0.22
o-xylene	< 0.079	< 0.079	740	1,600	3,500	2,400	4,200	0.080 J	< 0.079	< 0.079
styrene	< 0.095	< 0.095	< 0.95	< 4.8	< 9.5	< 4.8	< 64	< 0.095	< 0.095	< 0.095
isopropylbenzene	< 0.068	< 0.068	9.9 J	35 J	72 J	55 J	130 J	< 0.068	< 0.068	< 0.068
n-propylbenzene	< 0.098	< 0.098	1.6 J	51 J	130 J	98 J	230	< 0.098	< 0.098	< 0.098
1,3,5-trimethylbenzene	< 0.13	< 0.13	5.6 J	91 J	230	170	410	< 0.13	< 0.13	< 0.13
1,2,4-trimethylbenzene	< 0.15	< 0.15	7.7 J	150	360	270	710	< 0.15	< 0.15	< 0.15
sec-butylbenzene	< 0.13	< 0.13	< 1.3	< 6.4	< 13	< 6.4	< 13	< 0.13	< 0.13	< 0.13
4-isopropyltoluene	< 0.13	< 0.13	< 1.3	< 6.4	< 13	< 6.4	< 13	< 0.13	< 0.13	< 0.13
n-butylbenzene	< 0.23	< 0.23	< 2.3	< 12	< 23	< 12	< 23	< 0.23	< 0.23	< 0.23
naphthalene	< 0.29	< 0.29	< 2.9	< 15	< 29	< 15	< 29	< 0.29	< 0.29	< 0.29
n-hexane	< 0.18	< 0.18	< 1.8	14 J	63	70	100	< 0.18	0.34 J	0.54

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington

Boring Depth (feet) Sample Date	SB-39			SB-40					SB-41	
	35-37	35-37 (dup)	40-42	14-16	24-26	34-36	39-41	44-46	14-16	24-26
	05/29/03	05/29/03	05/29/03	05/29/03	05/29/03	05/29/03	05/29/03	05/29/03	06/02/03	06/02/03
vinyl chloride	< 0.22	< 0.22	< 0.22	1.0	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	4.4
chloroethane	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	74	45
acetone	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
1,1-dichloroethene	< 0.12	< 0.12	< 0.12	0.20 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
carbon disulfide	< 0.16	< 0.16	0.37 J	0.58	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
methylene chloride	< 0.20	< 0.20	< 0.20	0.80 J	< 0.20	< 0.20	< 0.20	< 0.20	0.43 J	< 0.20
trans-1,2-dichloroethene	< 0.14	< 0.14	< 0.14	0.38 J	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14
1,1-dichloroethane	< 0.091	< 0.091	< 0.091	40	0.20 J	< 0.091	< 0.091	< 0.091	3.4	12
2-butanone (MEK)	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
cis-1,2-dichloroethene	< 0.12	< 0.12	< 0.12	7.4	0.33 J	< 0.12	< 0.12	< 0.12	0.37 J	0.25 J
chloroform	< 0.096	< 0.096	< 0.096	0.11 J	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096
1,1,1-trichloroethane (TCA)	< 0.12	< 0.12	< 0.12	12	1.2	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,2-dichloroethane (EDC)	< 0.12	< 0.12	< 0.12	0.13 J	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
benzene	< 0.11	< 0.11	< 0.11	0.12 J	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	0.41 J
trichloroethene (TCE)	< 0.12	< 0.12	< 0.12	6.2	0.50	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
toluene	0.19 J	0.14 J	0.19 J	17	1.3	0.41 J	0.24 J	0.24 J	0.19 JB	0.18 JB
4-methyl-2-pentanone (MIBK)	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1
tetrachloroethene (PCE)	< 0.11	< 0.11	< 0.11	10	0.98	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
chlorobenzene	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094
ethylbenzene	< 0.13	< 0.13	0.15 J	2.8	0.24 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
m- & p-xylenes	< 0.22	< 0.22	0.51	9.4	0.7	0.22 J	< 0.22	< 0.22	< 0.22	< 0.22
o-xylene	< 0.079	< 0.079	< 0.079	2.5	0.22 J	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
styrene	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095
isopropylbenzene	< 0.068	< 0.068	< 0.068	0.35 J	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068
n-propylbenzene	< 0.098	< 0.098	< 0.098	0.93 J	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098	< 0.098
1,3,5-trimethylbenzene	< 0.13	< 0.13	< 0.13	1.6 J	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
1,2,4-trimethylbenzene	< 0.15	< 0.15	< 0.15	2.0	0.17 J	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15
sec-butylbenzene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
4-isopropyltoluene	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13
n-butylbenzene	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23	< 0.23
naphthalene	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
n-hexane	0.51	0.49 J	0.50	1.0	0.86	0.76	1.0	1.0	< 0.18	< 0.18

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-3

**VOCs Detected in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility
Kent, Washington**

Boring Depth (feet) Sample Date	SB-41				SB-42	SB-43		
	34-36	36-38	39-41	44-46	44-46	8 - 10	18 - 20	28 - 30
	06/02/03	06/02/03	06/02/03	06/02/03	06/02/03	02/12/04	02/12/04	02/12/04
vinyl chloride	< 1.1	< 1.1	< 2.2	< 1.1	< 0.22	< 0.22	< 0.22	< 0.22
chloroethane	300	320	310	55	< 0.23	< 0.23	< 0.23	< 0.23
acetone	< 21	< 21	< 41	< 21	< 4.1	< 4.1	< 4.1	< 4.1
1,1-dichloroethene	< 0.60	< 0.60	< 1.2	< 0.60	< 0.12	< 0.12	< 0.12	< 0.12
carbon disulfide	< 0.80	< 0.80	< 1.6	< 0.80	0.16 J	0.18 J	< 0.16	< 0.16
methylene chloride	5.5 J	5.9 J	6.2 J	1.2 J	< 0.20	< 0.20	< 0.20	< 0.20
trans-1,2-dichloroethene	3.6	3.8	7.3	4.7	< 0.14	< 0.14	< 0.14	< 0.14
1,1-dichloroethane	4.3	4.6	3.2 J	1.7 J	0.15 J	< 0.091	< 0.091	< 0.091
2-butanone (MEK)	< 21	< 21	< 41	< 21	< 4.1	< 4.1	< 4.1	< 4.1
cis-1,2-dichloroethene	< 0.58	< 0.58	< 1.2	< 0.58	< 0.12	< 0.12	< 0.12	< 0.12
chloroform	< 0.48	< 0.48	< 0.96	< 0.48	< 0.096	< 0.096	< 0.096	< 0.096
1,1,1-trichloroethane (TCA)	< 0.57	< 0.57	< 1.2	< 0.57	< 0.12	< 0.12	< 0.12	< 0.12
1,2-dichloroethane (EDC)	2.2 J	2.3 J	2.9 J	< 0.57	< 0.12	< 0.12	< 0.12	< 0.12
benzene	17	18	16	3.1	< 0.11	< 0.11	< 0.11	< 0.11
trichloroethene (TCE)	< 0.59	< 0.59	< 1.2	< 1.2	< 0.12	< 0.12	< 0.12	< 0.12
toluene	3.7	3.9	3.7 J	1.7 J	0.22 JB	< 0.098	< 0.098	< 0.098
4-methyl-2-pentanone (MIBK)	< 26	< 26	< 51	< 51	< 5.1	< 5.1	< 5.1	< 5.1
tetrachloroethene (PCE)	< 0.55	< 0.55	< 1.1	< 1.1	< 0.11	< 0.11	< 0.11	< 0.11
chlorobenzene	< 0.47	< 0.47	< 0.94	< 0.94	< 0.094	< 0.094	< 0.094	< 0.094
ethylbenzene	360	350	550	77	< 0.13	< 0.13	< 0.13	< 0.13
m- & p-xylenes	1,400	1,400	3,700	1,600	0.82	< 0.22	< 0.22	< 0.22
o-xylene	22	24	12	4.8	< 0.079	< 0.079	< 0.079	< 0.079
styrene	< 0.48	< 0.48	1.6 J	0.65 JB	< 0.095	< 0.095	< 0.095	< 0.095
isopropylbenzene	6.6 J	7.0 J	21	7.8 J	< 0.068	< 0.068	< 0.068	< 0.068
n-propylbenzene	6.7 J	6.7 J	19	7.5 J	< 0.098	< 0.098	< 0.098	< 0.098
1,3,5-trimethylbenzene	14	15	43	16	< 0.13	< 0.13	< 0.13	< 0.13
1,2,4-trimethylbenzene	24	25	74	27	< 0.15	< 0.15	< 0.15	< 0.15
sec-butylbenzene	< 0.64	< 0.64	< 1.3	< 0.64	< 0.13	< 0.13	< 0.13	< 0.13
4-isopropyltoluene	2.8 J	3.1 J	11 J	0.85 J	< 0.13	< 0.13	< 0.13	< 0.13
n-butylbenzene	< 1.2	< 1.2	< 2.3	< 1.2	< 0.23	< 0.23	< 0.23	< 0.23
naphthalene	< 1.5	< 1.5	< 2.9	< 1.5	< 0.29	< 0.29	< 0.29	< 0.29
n-hexane	< 0.90	< 0.90	< 1.8	< 0.90	< 0.18	< 0.18	< 0.18	< 0.18

NOTES:

1. Results in µg/L.
2. Analyses performed using EPA Method 8240 (pre-1996) or EPA Method 8240 (since 1996).
3. Only detected VOCs shown; detections shown in bold.
3. < = not detected at the MDL shown.
4. J = the result is an estimated concentration that is less than the MRL but greater than or equal to the MRL.
5. B = the analyte was found in the associated method blank at a level that is significant relative to the sample result.
6. R = the analyte was outside of control criteria in the associated laboratory control sample and is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

Table D-4

**Petroleum Hydrocarbons, Glycols, and Alcohols
in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility, Kent, Washington**

Laboratory Method	Analyte	Units	Concentration in SB-10
Method WTPH-G	Gasoline	mg/L	0.05 ^a
	Petroleum Naphtha	mg/L	< 0.05
	Mineral Spirits	mg/L	< 0.05
Method WTPH-D (extended)	Diesel	mg/L	0.42 ^b
	Oil	mg/L	< 0.75
	Kerosene	mg/L	< 0.25
Modified EPA Method 8015B	Ethylene Glycol	mg/L	< 10
	Propylene Glycol	mg/L	< 10
EPA Method 5031/8015B	Ethanol	mg/L	< 0.05
	Isopropanol	mg/L	< 0.05
	1-Butanol	mg/L	< 0.05

Note: NA = not available

^a The gasoline-range response detected is due to ethylbenzene and total xylenes present in the sample. No other petroleum product pattern could be detected.

^b Quantified as diesel/kerosene. The sample contained components that eluted in the diesel/kerosene range, but the chromatogram did not match the typical diesel/kerosene fingerprint.

Table D-5

**TOC in Groundwater Samples from Temporary Borings
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Sample Depth (feet bgs)	Date Collected	Total Organic Carbon (EPA Method 415.1)
SB-21	10 - 12	09/12/02	8.2
	17 - 19	09/12/02	9.2
SB-22	10 - 12	09/12/02	19.8
	17 - 19	09/12/02	30.2
SB-25	10 - 12	09/12/02	9.6
	17 - 19	09/12/02	16.9

NOTE: All results in mg/L.

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene	
MW-1 dup	04/17/95	< 25	2,900	1,300	3,600	—	—	—	—	—	—	< 25	—	—	< 25	—	—	—	—	—	
	04/17/95	< 25	3,100	1,500	3,900	—	—	—	—	—	—	< 25	—	—	< 25	—	—	—	—	—	
	09/04/96	< 50	1,600	1,300	4,400	< 200	< 200	< 50	< 200	< 200	< 200	< 50	< 200	< 1,000	< 50	< 50	< 200	< 200	< 200	< 200	
	12/10/96	7.7 J	3,500 J	1,600 J	6,300 J	46 EJ	69 EJ	< 0.5	130 EJ	210 J	3 J	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/04/97	5.3 J	4,700 J	1,600 J	7,100 J	39 J	80 EJ	< 0.5 J	150 EJ	210 EJ	4 J	< 0.5 J	< 2 J	< 10	< 0.5 J	< 0.5 J	< 2 J	< 2 J	< 2 J	< 2 J	
	06/27/97	8	3,000	2,000	7,400	45	71	< 5	110	200	< 20	< 5	< 20	< 100	< 5	< 5	< 20	< 20	< 20	< 20	< 20
	09/04/97	7.5	1,500	1,500	4,200	28	43	< 0.5	88	< 2	3	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2
	12/04/97	4.5 J	4,700 J	1,800 J	7,000 J	23 J	34 J	< 0.5 J	60 J	97 J	7 J	< 0.5 J	< 2 J	< 1	< 0.5 J	< 0.5 J	< 2 J	4 J	3 J	2 J	
	03/06/98	8	1,600	1,500	4,400	24	33	< 5	60	110	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20	< 20
	03/06/98	8	1,500	1,500	4,300	26	36	< 5	68	120	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20	< 20
	06/18/98	< 10	2,900	1,700	6,700	47	70	< 10	130	190	< 40	< 10	< 40	< 100	< 10	< 10	< 40	< 40	< 40	< 40	< 40
	09/29/98	7 J	1,400 J	1,800 J	5,400 J	15 J	20 J	< 2 J	44 J	81 J	< 10 J	< 2 J	< 8 J	< 25 J	< 2 J	< 2 J	< 10 J	< 10 J	< 10 J	< 10 J	< 10 J
	12/15/98	6	2,000	1,600	4,600	31	36	< 5	68	110	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20	< 20
	03/02/99	5	1,600 B	1,700	5,970	27	20	< 5	63	94	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20	< 20
	06/17/99	< 50	2,500	1,400	6,000	< 200	< 200	< 50	< 200	< 200	< 200	< 50	< 200	< 500	< 50	< 50	< 200	< 200	< 200	< 200	< 200
09/17/99	4.3 E	1,500	1,400	4,100	26	36	< 0.2	68	110	3 E	< 0.2	< 0.21	< 5	< 0.2	< 0.3	7 E	< 0.2	< 0.2	< 0.2	< 0.2	
12/08/99	< 12	860 J	1,300 J	5,500 J	< 50	51	< 12	93	130	< 50	< 12	< 48	< 50	< 12	< 12	< 50	< 50	< 50	< 50	< 50	
03/07/00	< 2	1,100	970	4,310	30	84	< 2	140	220	< 10	< 2	< 8	< 25	< 2	< 2	< 10	< 10	< 10	< 10	< 10	
06/21/00	< 6	1,300	860	3,700	50 J	90J	< 5	180	260	< 7	< 5	< 20	< 0.3	< 7	< 20	< 6	< 6	< 7	< 7	< 20	
06/21/00	< 3	1,300	860	3,420	40 J	65	< 3	120	170	4 J	< 3	< 12	< 0.3	< 4	< 9	< 3	< 3	< 4	< 6	< 6	
09/12/00	3	980	1,100	3,730	23	32	< 1	64	91	3	< 1	< 4	< 10	< 1	< 5	< 1	< 1	< 1	< 1	< 1	
12/07/00	< 6	630	830	3,290	30 J	50 J	< 5	90 J	130	< 7	< 5	< 20	< 0.3	< 7	< 20	< 6	< 5	< 7	< 7	< 20	
12/07/00	< 6	480	890	3,330	30 J	50 J	< 5	90 J	120	< 7	< 5	< 20	< 0.3	< 7	< 20	< 6	< 5	< 7	< 7	< 20	
03/15/01	< 2	290	690	2,890	36	78	< 1	140	190	4 J	< 1	< 4	< 0.3	< 2	< 3	< 2	< 0.9	3 J	< 3	< 3	
03/15/01	< 2	320	740	2,830	42	94	< 1	160	230	5 J	< 1	< 4	< 0.3	< 2	< 3	< 2	< 0.9	3 J	< 3	< 3	
07/12/01	< 2.7	130	480	1,930	21 J	47 J	< 2.4	87	120	< 3.2	< 2.4	< 9.6	< 6	< 3.1	< 5.4	< 2.8	< 2.3	< 3.2	< 5.6	< 5.6	
09/25/01	< 5	320	480	1,970	—	—	< 5	—	—	—	< 5	—	—	< 5	—	—	—	—	—	—	
01/02/02	< 0.53	270	570	2,300	28	51	< 0.48	94	130	3.8 J	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.45	< 0.64	< 1.2	< 1.2	
03/28/02	0.75 J	240	690	2,620	30	59	< 0.48	110	160	4.0 J	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	2.1 J	< 1.2	< 1.2	
06/11/02	< 0.53	170	500	1,570	27	67	< 0.48	120	160	3.9 J	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	2.4 J	< 1.2	< 1.2	
09/18/02	2.0 J	58	880	2,840	20	23	< 0.48	47	70	2.9 J	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	0.75 J	< 1.2	< 1.2	
12/17/02	< 1.3	80	520	1,030	22	56	< 1.3	100	130	< 5	< 1.3	< 1.3	< 13	< 1.3	< 1.3	< 5	< 5	< 5	< 5	< 5	
03/20/03	< 0.5	69	380	940	22	50	< 0.5	80	110	3.6	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 11	
06/11/03	0.35 J	200	330	730	22	55	< 0.095	81	120	3.7	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	2.2	< 5.1	< 5.1	
09/11/03	0.82 JB	1,200	510	1,480	21	40	< 0.19	61	93	3.5 J	< 0.19	< 0.20	< 0.48	< 0.25	< 0.43	< 0.23	< 0.21	1.8 J	< 9.1	< 9.1	
12/04/03	0.80 J	360	370	1,170	24	49	< 0.24	81	120	3.9 J	< 0.24	< 0.25	< 0.60	< 0.31	< 0.54	< 0.28	< 0.26	2.2 J	< 0.56	< 0.56	
03/16/04	0.56 J	520	390	1,590	20	42	< 0.38	73	110	3.3 J	< 0.38	< 0.40	< 0.96	< 0.50	< 0.86	< 0.45	< 0.42	2.1 J	< 0.89	< 0.89	
MW-2	04/17/95	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—	
	09/04/96	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	12/10/96	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/04/97	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/27/97	2.1	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	09/04/97	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	12/04/97	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 1	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/06/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/18/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
09/29/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2		

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloro-ethane	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphth-alene	Hexane	TCA	TCE	PCE	Vinyl Chloride
MW-1	04/17/95	—	540	—	—	<50	—	<250	560	<25	710	<25	53	1,400	<25	<500	29	—	—	540	150	180	120
dup	04/17/95	—	520	—	—	<50	—	<250	610	<25	770	<25	65	1,600	<25	<500	31	—	—	640	180	230	130
	09/04/96	<200	<2,000	<50	<200	—	<50	<2,000	220	<50	1,300	<50	<50	700	<50	<2,000	<100	<200	<1,000	180	<50	<50	82
	12/10/96	<2	140 JB	1.0 J	<2	—	<0.5	<20	120 J	5.1 J	1,400 J	1.5 J	67 J	2,700 J	5.0 J	<20	9 JB	<2	<10	1,200 J	62 J	31 J	91 J
	03/04/97	<2 J	54 J	<0.5 J	<2 J	13 J	<0.5 J	<20 J	73 J	2.1 J	640 J	1.2 J	24 J	1,000 J	3.7 J	<20 J	5 J	<2 J	<10 J	420 J	68 J	66 J	80 J
	06/27/97	<20	<200	<5	<20	—	<5	<200	200	<5	900	<5	21	860	<5	<200	<10	<20	<100	290	26	34	120
	09/04/97	120	<5	<0.5	<2	—	<0.5	7	150	0.9	790	<0.5	7.6	350	3.7	<5	2.9	<2	<5	74	12	12	52
	12/04/97	<2 J	84 J	0.8 J	<2 J	—	0.7 J	<20 J	31 J	2.4 J	540 J	0.8 J	27 J	320 J	4.4 J	<5 J	3 J	4 J	8 J	250 J	20 J	22 J	38 J
dup	03/06/98	<20	<200	<5	<20	—	<5	<200	320	<5	420	<5	9	340	<5	<200	<10	<20	<50	160	7	10	50
	03/06/98	<20	<200	<5	<20	—	<5	<200	380	<5	400	<5	10	400	<5	<200	<10	<20	<50	190	8	8	56
	06/18/98	<40	<400	<10	<40	—	<10	<400	120	<10	420	<10	16	450	<10	<400	<20	<40	<100	400	10	14	120
	09/29/98	<10 J	<100 J	<2 J	<10 J	—	<2 J	<100 J	300 J	<2 J	330 J	<2 J	<2 J	94 J	4 J	<100 J	<5 J	<10 J	<25 J	46 J	2 J	<2 J	14 J
	12/15/98	<20	<200	<5	<20	—	<5	<200	190	<5	330	<5	14	390	<5	<200	<10	<20	<50	270	6	6	54
	03/02/99	<20	<200	<5	<20	—	<5	<200	390	<5	320	<5	11	490	<5	<200	<10	<20	<50	220	7	6	73
	06/17/99	<200	<2,000	<50	<200	—	<50	<5,000	140	<50	230	<50	<50	400	<50	<5,000	<500	<200	<500	270	<50	<50	180
	09/17/99	<0.2	<8	<0.2	3 EB	—	<0.2	<7	200	<0.2	250	<0.2	6.4	210	3.3 E	<6	<0.3	<0.2	<5	240	8.9	7.8 B	88
	12/08/99	<50	<500	<12	<50	—	<12	<500	79 J	<12	310	<12	<12	330	<12	<500	<25	<50	<50	240	<12 J	<12 J	110
	03/07/00	<10	730	<2	<10	—	<2	<100	22	<2	310	<2	17	1,100	<2	140	<5	<10	<25	300	17	14	450
dup	06/21/00	260	<200	<8	<20	—	—	<200	32	<5	290	<6	9 J	380	<7	<200	50 J	<20	<10	390	10 J	10 J	290
	06/21/00	<6	<60	<4	<10	—	<5	<70	58	<3	210	<3	7 J	340	<4	<90	20 J	<8	<10	310	10 J	10 J	290
	09/12/00	<10	57	<5	<10	—	<5	<25	110	2	190	<1	5	170	2	<25	<5	<10	<10	180	8	4.0	61
dup	12/07/00	<20	<200	<8	<20	—	<9	<200	42 J	9 J	310	<6	20 J	390	<7	<200	<10	<20	4 J	270	10 J	10 J	100
	12/07/00	<20	<200	<8	<20	—	<9	<200	76 J	8 J	260	<6	10 J	300	<7	<200	<10	<20	4 J	250	9 J	10 J	79
dup	03/15/01	<3	<30	<2	<4	—	<2	<30	13	31	350 J	<2	27	500	<2	<40	12	<3	5.8	480 J	23	14 J	110 J
	03/15/01	<3	<30	<2	<4	—	<2	<30	13	43	450	<2	35	620	<2	<40	13	<3	5.6	610	27	20	150
	07/12/01	<5.5	<58	<4	<9.5	—	—	<70	12 J	21	370	<2.9	16	290	<3.5	<81	9.5 J	<7.2	<4.5	610	31	8.8 J	210
	09/25/01	—	—	—	—	—	—	—	17	18	790	<5	23	460	<5	—	10	—	—	480	41	16	240
	01/02/02	<1.1	28 J	<0.80	<1.9	—	—	<26	27	22	660	<0.57	30	690	2.9	<21	2.2 J	<1.5	3.6 J	510	22	9.1	300
	03/28/02	<1.1	<21	<0.80	<1.9	—	—	<26	18	28	540	<0.57	25	800	2.7	<21	2.8 J	<1.5	4.8	510	25	14	390
	06/11/02	160	97 J	<0.80	<1.9	—	—	<26	12	10	250	<0.57	5.5	240	1.5 J	<21	1.0 J	<1.5	4.4	230	7.8	6.4	270
	09/18/02	<1.1	62 J	<0.80	<1.9	—	<0.83	<26	81	1.7 J	130	<0.57	2.3 J	100	1.6 J	<21	2.5 J	<1.5	1.2 J	44	7.2	3.8	35
	12/17/02	<5	240	2.6	<5	—	<1.3	<50	7.8	4.3 B	560	<1.3	22	340	1.7	<50	<5	<5	3.3 B	600	25	10	100
	03/20/03	<2	41	<0.5	<2	—	<0.5	<20	7.5	3.2	490	<0.5	16	160	1.1	<20	<2	<2	3.7	440	15	7.3	120
	06/11/03	120	30	0.35 J	<0.38	—	<0.17	<5.1	4.4	1.3	270	<0.12	5.4	64	0.72	17 J	1.0 J	0.88 J	3.2	260	6.7	4.2	60
	09/11/03	<0.44	82	0.60 J	<0.76	—	<0.34	<11	19	1.3	610	<0.23	12	170	1.3	33 J	2.9 J	0.72 J	1.1	290	15	5.0	71
	12/04/03	<0.55	60	0.65 J	<0.95	—	<0.42	<13	38	9.0	1,300	2.0	36	390	2	<11	8.6	0.78 J	3.4	1,200	29	7.6	140
	03/16/04	<0.88	23 J	<0.64	<1.6	—	<0.67	<21	14	5.3	410	2.1	11	66	1.1 J	<17	5.4 J	<1.2	3.4 J	370	13	5.8	50
MW-2	04/17/95	—	<100	—	—	<10	—	<50	<10	9	<5	<5	<5	<5	<5	130	<5	—	—	<5	<5	<5	<10
	09/04/96	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	0.8	<0.5	<0.5	3.2	<0.5	<20	2	<2	<10	<0.5	0.6	<0.5	<0.5
	12/10/96	<2	<20	<0.5	<2	<0.5	<0.5	<20	<0.5	<0.5	0.6	<0.5	<0.5	4.0	<0.5	<20	<1	<2	<10	<0.5	2.5	4.3	<0.5
	03/04/97	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	0.8	<0.5	<0.5	5.4	<0.5	<20	<1	<2	<10	<0.5	2.6	1.6	<0.5
	06/27/97	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	1.0	<0.5	<0.5	7.2	<0.5	<20	<1	<2	<10	<0.5	2.1	1.9	<0.5
	09/04/97	<2	<5	<0.5	<2	—	<0.5	<5	<0.5	<0.5	0.8	<0.5	<0.5	3.1	<0.5	<5	<1	<2	<5	<0.5	0.5	<0.5	<0.5
	12/04/97	<2	<5	<0.5	<2	—	<0.5	<20	<0.5	<0.5	0.6	<0.5	<0.5	1.8	<0.5	<20	<1	<2	<1	<0.5	<0.5	0.8	<0.5
	03/06/98	<2	<5	<0.5	<2	—	<0.5	<20	<0.5	<0.5	0.8	<0.5	<0.5	5.9	<0.5	<20	<1	<2	<1	<0.5	2.8	2.5	<0.5
	06/18/98	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	0.9	<0.5	<0.5	3.8	<0.5	<20	<1	<2	<5	<0.5	2	1.8	<0.5
	09/29/98	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	1.1	<0.5	<0.5	2.9	<0.5	<20	<1	<2	<5	<0.5	<0.5	<0.5	<0.5

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene	
MW-2 (cont.) dup	12/15/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/02/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/16/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/16/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	09/16/99	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	12/08/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2
	03/07/00	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	< 2
	06/21/00	< 0.2	< 0.1	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	09/12/00	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 5	< 1	< 1	< 1	< 1
	12/07/00	< 0.2	0.1 J	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	03/15/01	< 0.2	0.2 J	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	07/12/01	< 0.11	0.13 J	< 0.098	< 0.19	< 0.068	< 0.097	< 0.094	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	09/25/01	< 0.5	2.12	0.67	2.12	—	—	< 0.5	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	01/03/02	< 0.11	0.35 JB	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	03/28/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	06/14/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	09/18/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	12/16/02	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	03/20/03	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	06/11/03	< 0.11	0.81 B	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
09/10/03	< 0.11	0.32 B	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
12/05/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
03/16/04	< 0.11	0.13 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-3 dup dup	04/17/95	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—	
	09/04/96	< 5	5	< 5	< 5	< 20	< 20	< 5	< 20	< 20	< 20	< 5	< 20	< 10	< 5	< 5	< 2	< 2	< 20	< 2	
	09/04/96	< 5	< 5	< 5	< 5	< 20	< 20	< 5	< 20	< 20	< 20	< 5	< 20	< 100	< 5	< 5	< 2	< 2	< 20	< 2	
	12/11/96	0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/04/97	0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/27/97	0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	09/04/97	0.6	< 0.5	0.6	1.7	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	12/04/97	0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 1	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/06/98	0.6	0.6	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/18/98	0.7 B	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	09/29/98	0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	09/29/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	12/14/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/03/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/17/99	< 1	< 1	< 1	< 1	< 4	< 4	< 1	< 4	< 4	< 4	< 1	< 4	< 10	< 1	< 1	< 4	< 4	< 4	< 4	
	09/17/99	0.4 E	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	12/08/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/07/00	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/21/00	0.5 J	< 0.1	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	09/12/00	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 5	< 1	< 1	< 1	< 1
09/12/00	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 5	< 1	< 1	< 1	< 1	
12/07/00	0.4 J	< 0.1	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3	
03/15/01	0.4 J	0.1 J	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3	
07/12/01	0.43 J	0.31 J	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23	
09/24/01	0.51	< 0.5	< 0.5	0.59	—	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—	

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene
MW-3 (cont.)	01/03/02	< 0.11	0.46 JB	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	03/28/02	0.41 J	0.16 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	06/14/02	0.35 J	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	09/17/02	0.43 J	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	12/17/02	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	03/20/03	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	06/11/03	0.41 J	0.47 JB	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	09/11/03	0.41 JB	0.32 JB	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	12/04/03	0.35 J	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
03/15/04	0.48 J	0.17 J	0.29 J	2.4	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-4	09/04/96	< 50	2,000	200	1,500	< 200	< 200	< 50	< 200	< 200	< 200	< 50	< 200	< 100	< 50	< 50	< 200	< 200	< 200	< 200
	12/10/96	38	310	430	340	19	22	< 0.5	59 E	110 E	4	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	03/04/97	29	160	580	210	31	39	< 0.5	86	170	5	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	06/27/97	31	62	900	53	38	56	< 0.5	98	230	4.5	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	09/04/97	23	120	570	42	30	43	< 0.5	96	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	dup 09/04/97	22	300	1,300	110	28	39	< 0.5	88	510	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	2	< 2
	12/04/97	23 J	320 J	860 J	250 J	34 J	53 J	< 0.5 J	73 J	180 J	3 J	< 0.5 J	< 2	< 1	< 0.5 J	< 0.5	< 2 J	< 2 J	< 2 J	< 2 J
	03/06/98	29	48	970	140	53	76	< 1	60	220	< 4	< 1	< 4	28	< 1	< 1	< 4	< 4	< 4	< 4
	06/18/98	140	390	1,200	1,800	290	400	< 12	150	260	< 50	< 12	< 48	< 120	< 12	< 12	< 50	< 50	< 50	< 50
	09/29/98	23 J	1,600 J	780 J	1,300 J	35 J	46 J	< 2	57 J	240 J	< 10	< 2	< 8	< 25	< 2	< 2	< 10	< 10	< 10	< 10
	12/14/98	37	1,100	840	1,900	43	64	< 2	94	250	< 10	< 2	< 8	< 25	< 2	< 2	< 10	< 10	< 10	11
	03/03/99	18	8 B	790	13 B	29	34	< 2	< 10	110	< 10	< 2	< 8	< 25	< 2	< 2	< 10	< 10	< 10	< 10
	06/17/99	< 25	110	1,200	142	< 100	< 100	< 25	< 100	240	< 100	< 25	< 100	< 250	< 25	< 25	< 100	< 100	< 100	< 100
	09/17/99	18	540	850 J	1,230	23	47	< 0.2	51	220	2 E	< 0.2	< 0.8	< 5	< 0.2	2 E	< 0.2	< 0.2	< 0.2	< 0.2
	12/08/99	24	380 J	980 J	1,570 J	42	57	< 5	78	270	< 20	< 5	< 20	< 20	< 5	< 20	< 20	< 20	< 20	< 20
	dup 12/08/99	23	360 J	970 J	1,560 J	40	57	< 5	74	260	< 20	< 5	< 20	< 20	< 5	< 20	< 20	< 20	< 20	< 20
	03/07/00	17	8	1,200	389	33	66	< 2	15	240	< 10	< 2	< 8	< 25	< 2	< 2	< 10	< 10	< 10	< 10
	dup 03/07/00	17	8	1,200	389	32	63	< 2	16	240	< 10	< 2	< 8	< 25	< 2	< 2	< 10	< 10	< 10	< 10
	06/21/00	17	58	1,100	1,040	50	65	< 2	41	230	4J	< 2	< 8	< 0.3	< 3	< 5	< 3	< 2	3J	< 5
	09/12/00	10	25	610	820	31	42	< 1	67	140	3	< 1	< 4	< 10	< 1	< 5	< 1	< 1	< 1	< 1
	12/07/00	10 J	32	850	2,540	40 J	50 J	< 5	90 J	230	7 J	< 5	< 20	< 0.3	< 7	< 20	< 6	< 5	< 7	< 20
	03/15/01	19	37	820	850	40	57	< 0.5	41	210	5 J	< 0.5	< 2	< 0.3	< 0.7	< 2	< 0.6	< 0.5	2J	< 2
	07/12/01	14	5 J	960	370	33 J	47 J	< 2.4	18 J	93	< 3.2	< 2.4	< 9.6	< 6	< 3.1	< 5.4	< 2.8	< 2.3	< 3.2	< 5.6
	09/25/01	6.5	2.1	230	38	10	12	< 0.5	4.4	27	< 2	< 0.5	< 2	—	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	01/02/02	10	5.5	450	164	23	23	< 0.48	3.6 J	55	0.95 J	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.45	1.2 J	< 1.2
	03/28/02	12	18	700	184	30	33	< 0.48	1.2 J	65	1.7 J	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	1.4 J	< 1.2
	06/11/02	12	6.7	630	64	27	34	< 0.48	2.7 J	36	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2
	09/18/02	11	11	690	1,640	31	36	< 0.24	50	160	3.4 J	< 0.24	< 0.25	< 0.60	< 0.31	< 0.54	< 0.28	< 0.26	1.7 J	< 0.56
	12/17/02	14	10	620	1,290	22	31	< 1.0	45	150	< 4	< 1	< 4	< 10	< 1	< 1	< 4	< 4	< 4	< 4
	03/20/03	16	2.3	740	325	31	41	< 1.0	36	140	< 4	< 1	< 4	< 10	< 1	< 1	< 4	< 4	< 4	< 9.5
	06/11/03	13	1.8 B	750	114	28	38	< 0.24	9.7	120	1.3 J	< 0.24	< 0.25	< 0.60	< 0.31	< 0.54	< 0.28	< 0.26	1.6 J	< 0.56
	09/11/03	13	9.3	780	1,990	26	36	< 0.19	62	200	3.0 J	< 0.19	< 0.20	< 0.48	< 0.25	< 0.43	< 0.23	< 0.21	1.0 J	< 0.45
12/04/03	27	11	800	1,787	30	39	< 0.19	68	180	3.2 J	< 0.19	< 0.20	< 0.48	< 0.25	< 0.43	< 0.23	< 0.21	1.4 J	< 8.0	
03/15/04	24	5.6	730	702	40	54	< 0.095	35	160	4.1	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	3.3	< 0.11	2.5	< 0.23	
MW-5	09/04/96	< 25	< 25	< 25	< 25	< 100	< 100	< 25	< 100	< 100	< 100	< 25	< 100	< 500	< 25	< 25	< 100	< 100	< 100	< 100
	12/10/96	< 0.5	1.3 B	1.0	1.6 B	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	dup 12/10/96	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloroethane	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphthalene	Hexane	TCA	TCE	PCE	Vinyl Chloride
MW-3 (cont.)	01/03/02	<0.22	<3.7	<0.16	<0.38	—	—	<5.1	0.47 J	<0.096	16	<0.12	<0.12	1.0	0.76	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.25 J
	03/28/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	22	<0.12	<0.12	1.4	0.92	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.26 J
	06/14/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	19	<0.12	<0.12	1.3	0.83	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.25 J
	09/17/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	27	<0.12	<0.12	2.1	1.1	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.32 J
	12/17/02	<2	<20	<0.5	<2	—	<0.5	<20	18	<0.5	38	<0.5	<0.5	0.93	<0.5	<20	<2	<2	<0.5	<0.5	<0.5	<0.5	0.58
	03/20/03	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	12	<0.5	<0.5	0.83	0.66	<20	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5
	06/11/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	9.5	<0.12	<0.12	0.94	0.70	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.25 J
	09/11/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	9.9	<0.12	<0.12	0.94	0.74	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.27 J
	12/04/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	19	<0.096	19	<0.12	<0.12	0.99	0.18 J	<4.1	0.27 J	<0.29	<0.18	<0.12	<0.12	<0.11	0.46 J
	03/15/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	16	<0.12	<0.12	1.50	0.90	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.36 J
MW-4	09/04/96	<200	<2,000	<50	<200	—	<50	<2,000	830	<50	76	<50	<50	<50	<50	<2,000	<100	<200	<100	<50	<50	<50	<50
	12/10/96	<2	<20	0.7	<2	—	<0.5	<20	950	<0.5	33	2.6	<0.5	2.1	3.8	<20	7 B	<2	<10	<0.5	<0.5	<0.5	6.1
	03/04/97	<2	<20	<0.5	<2	0.7	<0.5	21	1,100	<0.5	140	1.9	<0.5	12	4.3	<20	7	4	<10	4.8	1.0	<0.5	15
	06/27/97	<2	<20	<0.5	<10	—	<0.5	<20	2,000	<0.5	160	1.2	<0.5	2.8	4.9	<20	9.6	9	<10	2.6	2.0	<0.5	6.3
	09/04/97	<2	<5	0.7	<2	—	<0.5	<5	820	<0.5	52	1.4	<0.5	2.5	2.5	<5	7	4	<5	<0.5	0.8	<0.5	6.9
	09/04/97	<2	<5	2.6	<2	—	<0.5	<5	2,100	<0.5	47	1.5	<0.5	<0.5	2.3	<5	7.1	4	<5	<0.5	0.7	<0.5	6.5
	12/04/97	<2 J	<20 J	<0.5 J	<2 J	—	<0.5 J	<20 J	960 J	<0.5 J	22 J	1.3 J	<0.5 J	1.2 J	3.3 J	<20 J	7 J	6 J	4 J	<0.5 J	1 J	<0.5 J	3.4 J
	03/06/98	<4	<40	<1	<4	—	<1	<40	1,400	<1	84	<1	<1	4	6	<40	10	5	27	11	1.0	<1	8
	06/18/98	<50	<500	<12	<50	—	<12	<500	1,700	<12	410	<12	<12	<12	26	<500	45	<50	<120	<12	<12	<12	<12
	09/29/98	<10	<100	<2	<10	—	<2	<100	1000 J	<2	33 J	<2	<2	<2	3 J	<100	8 J	<10	<25	<2	<2	<2	<2
	12/14/98	<10	<100	<2	<10	—	<2	<100	1,000	<2	26	<2	<2	<2	3	<100	7	<10	<25	<2	<2	<2	<2
	03/03/99	<10	<100	<2	<10	—	<2	<100	1,300	4	72	<2	<2	6	4	<100	9	<10	<25	<2	<2	<2	8
	06/17/99	<100	<1,000	<25	<100	—	<25	<2,500	1,200	<25	210	<25	<25	<25	<25	<2,500	<250	<100	<250	<25	<25	<25	<25
	09/17/99	<0.2	<8	<0.2	<0.2	—	<0.2	<7	820 J	<0.2	36	<0.2	<0.2	1.4 E	4	<6	9	5 EB	<5	<0.3	<0.3	<0.2	<0.3
	12/08/99	<20	<200	<5	<20	—	<5	<200	1,000 J	<5	19	<5	<5	<5	<10	<200	<10	<20	<20	<5	<5 J	<5 J	<5
	12/08/99	<20	<200	<5	<20	—	<5	<200	1,100 J	<5	20	<5	<5	<5	<5	<200	<10	<20	<20	<5	<5 J	<5 J	<5
	03/07/00	<10	<100	<2	<10	—	<2	<100	1,200	<2	29	<2	<2	<2	5	<100	9	<10	<25	<2	<2	<2	<2
	03/07/00	<10	<100	<2	<10	—	<2	<100	1,200	<2	28	<2	<2	<2	5	<100	9	<10	<25	<2	<2	<2	<2
	06/21/00	<5	<50	<4	<8	—	—	<50	980	<2	43	<3	<3	<3	6 J	<70	20	6 J	<0.2	<3	<3	<3	<5
	09/12/00	<10	<50	<5	<10	—	<5	<25	840	<1	14	<1	<1	<1	3	<25	6	<10	<10	<1	<1	<1	1
	12/07/00	<20	<200	<8	<20	—	<9	<200	750 J	<5	10 J	<6	<6	<6	<7	<200	10 J	<20	12	<6	<6	<6	<20
	03/15/01	<2	<20	<0.8	<2	—	<0.9	<20	770	<0.5	23 J	2 J	<0.6	0.7 J	5.5	<20	11	6 J	11	<0.6	<0.6	<0.6	<0.6
	07/12/01	<5.5	<58	<4	<9.5	—	—	<70	710	<2.4	43	<2.9	<3	<3	4.8 J	<81	16 J	<7.2	<4.5	<2.8	<3	<2.8	<5.3
	09/25/01	<2	<20	<0.5	<2	—	—	<20	340	<0.5	27	0.71	<0.5	0.74	3.2	<20	5.9	<2	—	<0.5	<0.5	<0.5	3.6
	01/02/02	<1.1	<19	<0.80	<1.9	—	—	<26	570	<0.48	25	<0.57	<0.60	1.4 J	4.7	<21	7.5 J	<1.5	13 J	<0.56	1.2 J	<0.55	1.6 J
	03/28/02	<1.1	<21	<0.80	<1.9	—	<0.83	<26	810	<0.48	87	<0.57	<0.60	2.6	5.8	<21	13	<1.5	22	<0.57	2.3 J	<0.55	6.2
	06/11/02	<1.1	<21	<0.80	<1.9	—	<0.83	<26	760	<0.48	58	<0.57	<0.60	<0.58	4.8	<21	9.2 J	2.2 J	5.9	<0.57	1.7 J	1.6 J	<1.1
	09/18/02	<0.55	<11	<0.40	<0.95	—	<0.42	<13	570	<0.24	20	<0.29	<0.30	1.1 J	4.0	<11	7.6	4.5 J	3.3	<0.29	0.70 J	<0.28	1.9
	12/17/02	<4	<40	4.1	<4	—	<1	<40	500	<1	18	<1	<1	1	4.2	<40	6.2	<4	5.8 B	<1	<1	<1	3.1
	03/20/03	<4	<40	<1	<4	—	<1	<40	530	<1	13	<1	<1	<1	4.1	<40	5.3	<4	7.8	<1	<1	<1	1.3
	06/11/03	<0.55	<11	0.73 J	<0.95	—	<0.42	<13	530	<0.24	24	0.58 J	<0.30	1.0 J	4.4	<11	7.2	1.6 J	3.3	<0.29	0.68 J	<0.28	1.5
	09/11/03	<0.44	<8.2	<0.32	<0.76	—	<0.34	<11	460	<0.20	18	<0.23	<0.24	1.1	3.9	<8.2	6.8	6.2	2.4	<0.23	0.34 J	<0.22	2.3
	12/04/03	<0.44	<8.2	<0.32	<0.76	—	<0.34	<11	370	<0.20	11	<0.23	<0.24	0.56 J	4.4	<8.2	4.2	4.8	8.7	<0.23	0.32 J	<0.22	0.70 J
03/15/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	420	<0.096	15	<0.12	<0.12	0.67	6.3	<4.1	6.2	3	17	<0.12	0.48 J	<0.11	0.59	
MW-5	09/04/96	<100	<1,000	<25	<100	—	<25	<1,000	<25	<25	<25	<25	34	<25	<1,000	<50	<100	<500	<25	180	2,600	<25	
	12/10/96	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	0.9	0.7	<0.5	<0.5	28	<20	<1	<2	<10	3.4	130	3,400	<0.5	
	dup 12/10/96	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	0.9	0.8	<0.5	0.6	34	<20	<1	<2	<10	3.4	130	3,300	<0.5	

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene	
MW-5 (cont.)	03/04/97	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	06/27/97	< 5 J	< 5 J	< 5 J	< 5 J	< 20 J	< 20 J	< 5 J	< 20 J	< 20 J	< 20 J	< 5 J	< 20 J	< 100	< 5 J	< 5 J	< 20 J	< 20 J	< 20 J	< 20 J	
	09/04/97	< 0.5	< 0.5	0.9	0.9	< 2	< 2	< 0.5	< 2	< 2	< 2	0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	12/04/97	< 0.5	< 0.5	< 1.0	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	0.6	< 2	< 1	< 0.5	< 0.5	< 2	< 2	< 2	< 2	
	03/06/98	< 5	< 5	< 5	< 5	< 20	< 20	< 5	< 20	< 20	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20	
	06/18/98	< 12	< 12	< 12	< 12	< 50	< 50	< 12	< 50	< 50	< 50	< 12	< 50	< 120	< 12	< 12	< 50	< 50	< 50	< 50	
	09/29/98	< 10	< 10	< 10	< 10	< 40	< 40	< 10	< 40	< 40	< 40	< 10	< 40	< 100	< 10	< 10	< 40	< 40	< 40	< 40	
	12/15/98	< 5	< 5	< 5	< 5	< 20	< 20	< 5	< 20	< 20	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20	
	03/02/99	< 12	< 12	< 12	< 24	< 50	< 50	< 12	< 50	< 50	< 50	< 12	< 50	< 125	< 12	< 12	< 50	< 50	< 50	< 50	
	06/16/99	< 10	< 10	< 10	< 10	< 40	< 40	< 10	< 40	< 40	< 40	< 10	< 40	< 100	< 10	< 10	< 40	< 40	< 40	< 40	
	09/16/99	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	dup	09/16/99	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4 E	< 0.2	< 5	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	12/08/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 2	
	03/07/00	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	
	06/21/00	< 6	< 5	< 5	< 14	< 4	< 5	< 7	< 7	< 8	< 7	< 5	< 5	< 0.3	< 7	< 20	< 6	< 5	< 7	< 20	
	09/12/00	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 5	< 1	< 1	< 1	
	12/07/00	< 6	< 5	< 5	< 14	< 4	< 5	< 7	< 7	< 8	< 7	< 5	< 5	< 0.3	< 7	< 20	< 6	< 5	< 7	< 20	
	03/15/01	< 2	< 1	3 J	2 J	< 0.7	< 1	< 2	< 2	< 2	< 2	< 1	< 1	< 0.3	< 2	< 3	< 2	< 0.9	< 2	< 3	
	07/12/01	< 1.1	< 0.98	< 0.98	< 1.9	< 0.68	< 0.97	< 1.3	< 1.3	< 1.5	< 1.3	< 0.94	< 0.97	< 2.4	< 1.3	< 2.2	< 1.2	< 0.89	< 1.3	< 2.3	
	08/27/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	
09/24/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—		
10/22/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—		
11/19/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—		
01/02/02	< 0.53	< 0.49	< 0.49	< 0.93	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.45	< 0.64	< 1.2		
03/27/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3		
06/11/02	< 0.53	< 0.49	< 0.65	< 1.5	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2		
09/18/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	0.76	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3		
12/16/02	< 5	< 5	< 5	< 5	< 20	< 20	< 5	< 20	< 20	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20		
03/17/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2		
06/10/03	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	1.0 J	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3		
09/11/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2		
12/05/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2		
03/16/04	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2		
MW-6	09/04/96	1.7	31	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2		
	12/10/96	1.2	26	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2		
	03/04/97	0.7	5.0	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2		
	06/27/97	1.2	7.3	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 10	< 0.5	< 0.5	< 2	< 2	< 2		
	09/04/97	1.6	13.0	< 0.5	0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2		
	12/04/97	0.7	4.9	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 1	< 0.5	< 0.5	< 2	< 2	< 2		
	03/06/98	1.1 B	9.4 B	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2		
	06/18/98	1.7 B	11 B	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2		
	09/29/98	1.5	8.9	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2		
	12/15/98	< 0.5	3.7 B	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2		
	03/02/99	< 0.5	3.2 B	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2		
	dup	03/02/99	< 0.5	3.1 B	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	
	06/16/99	0.5 B	2.3 B	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	0.9	< 0.5	< 2	< 2	< 2		
09/16/99	0.5 E	2.3 E	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2		
12/08/99	< 0.5	1.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 0.5	< 2	< 2	< 2			

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloro-ethane	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphth-ylene	Hexane	TCA	TCE	PCE	Vinyl Chloride	
MW-5 (cont.)	03/04/97	<2	<20	<0.5	<2	<0.5	<0.5	<20	<0.5	0.7	<0.5	<0.5	<0.5	21	0.6	<20	<1	<2	<10	3.1	100	3,100	<0.5	
	06/27/97	<20 J	<200 J	<5 J	<100 J	—	<5 J	<200 J	<5 J	<5 J	<5 J	<5 J	<5 J	32	<5 J	<200 J	<10 J	<20 J	<100 J	<5 J	140 J	4,700 J	<5 J	
	09/04/97	<2	<5	4.7	<20	—	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	30	0.6	<5	<1	<2	<5	3.2	150	4,800	<0.5	
	12/04/97	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	0.6	<0.5	<0.5	<0.5	18	0.8	<20	<1	<2	<1	3	120	4,400	<0.5	
	03/06/98	<20	<200	<5	<20	—	<5	<200	<5	<5	<5	<5	<5	30	<5	<200	<10	<20	<10	<5	140	4,000	<5	
	06/18/98	<50	<500	<12	<50	—	<12	<500	<12	<12	<12	<12	<12	28	<12	<500	<25	<50	<120	<12	130	4,100	<12	
	09/29/98	<40	<400	<10	<40	—	<10	<400	<10	<10	<10	<10	<10	25	<10	<400	<20	<40	<100	<10	130	3,800	<10	
	12/15/98	<20	<200	<5	<20	—	<5	<200	<5	<5	<5	<5	<5	34	<5	<200	<10	<20	<10	<5	120	3,300	7	
	03/02/99	<50	<500	<12	<50	—	<12	<500	<12	<12	<12	<12	<12	14	<12	<500	<25	<50	<125	<12	96	4,400	<12	
	06/16/99	<40	<400	<10	<40	—	<10	<1,000	<10	<10	<10	<10	<10	12	<10	<1,000	<100	<40	<100	<10	110	3,400	<10	
	09/16/99	<0.2	<8	<0.2	<0.2	—	<0.2	<7	<0.2	<0.2	<0.2	<0.2	<0.2	<0.3	<0.2	<6	<0.3	<0.2	<5	<0.3	120	3,000	<0.3	
	dup	09/16/99	<0.2	<8	<0.2	<0.2	—	<0.2	<7	<0.2	0.4 E	<0.2	0.3 E	0.3 E	15	0.5 E	<6	<0.3	<0.2	<5	1.6	94	2,500	<0.3
	12/08/99	<2	<20	<0.5	<2	—	<5	<20	<0.5 J	<0.5	<0.5	<0.5	<0.5	23	<0.5	<20	<1	<2	<2	1.2	120 J	2,600 J	<0.5	
	03/07/00	<2	<20	<0.5	<2	—	<5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	17	<0.5	<20	<1	<2	<5	1.3	94	2,700	<0.5	
	06/21/00	<20	<200	<8	<20	—	<9	<200	<9	<5	<5	<6	<6	6J	<7	<200	30 J	<20	<0.2	<6	92	2,900	<20	
	09/12/00	<10	<50	<5	<10	—	<5	<25	<1	<1	<1	<1	<1	11	<1	<25	<5	<10	<10	1	99	2,500	<1	
	12/07/00	<20	<200	<8	<20	—	<9	<200	<9	<5	<5	<6	<6	10 J	<7	<200	<10	<20	<0.2	<6	88	2,600	<20	
	03/15/01	<3	<30	<2	<4	—	<2	<30	<2	<1	<1	<2	<2	8.2	<2	<40	5 J	<3	<0.2	<2	87	2,300 J	<3	
	07/12/01	<2.2	<23	<1.6	<3.8	—	—	<28	<1.8	<0.96	<0.91	<1.2	<1.2	5.4	<1.4	<33	<2	<2.9	<1.8	<1.2	84	2,800	<2.2	
	08/27/01	—	—	—	—	—	—	—	<5	<5	<5	<5	<5	7.4	<5	—	<10	—	—	<5	68	1,800	<5	
09/24/01	—	—	—	—	—	—	—	<5	<5	<5	<5	<5	<5	<5	—	<10	—	—	<5	74	1,800	<5		
10/22/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	7.1	<5	—	<10	—	—	<5	76	1,600	<5		
11/19/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	12	<5	—	<10	—	—	<5	75	2,000	<5		
01/02/02	<1.1	<19	4.2	<1.9	—	—	<26	<1.2	<0.48	0.80 J	<0.57	<0.60	7.4	<0.70	<21	<0.97	<1.5	<0.90	0.90 J	69	1,600	<1.1		
03/27/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	<1.2	2.9 J	<1.4	<41	<2.0	<2.9	<1.8	<1.2	70	2,500	<2.2		
06/11/02	<1.1	<21	<0.8	<1.9	—	<1.7	<26	<1.2	<0.48	<0.46	<0.57	<0.60	2.2 J	<0.70	<21	<0.97	<1.5	<0.90	0.75 J	63	2,100	<1.1		
09/18/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	<1.2	3.7 J	<1.4	<41	4.0 J	<2.9	<1.8	<1.2	76	2,600	<2.2		
12/16/02	<20	<200	<5	<20	—	<5	<200	<5	<5	<5	<5	<5	7.2	<5	<200	<20	<20	<5	<5	82	2,200	<5		
03/17/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	<0.46	<0.57	<0.6	7.6	<0.7	<21	1.1 J	<1.5	<0.9	0.6 J	57	1,500	<1.1		
06/10/03	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	<1.2	1.4 J	<1.4	<41	<2.0	<2.9	<1.8	<1.2	57	2,200	<2.2		
09/11/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	<0.46	<0.57	<0.6	1.5 J	<0.7	<21	<0.97	<1.5	<0.9	<0.57	86	2,400	<1.1		
12/05/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	<0.46	<0.57	<0.6	5	<0.7	<21	<0.97	<1.5	<0.9	<0.57	76	1,600	<1.1		
03/16/04	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	<0.46	<0.57	<0.6	0.80 J	<0.7	<21	<0.97	<1.5	<0.9	0.70 J	47	1,700	<1.1		
MW-6	09/04/96	<2	<20	<0.5	<2	—	<0.5	<20	460	<0.5	12	3.2	<0.5	0.6	3.8	<20	2 B	<2	<10	<0.5	<0.5	<0.5	<0.5	
	12/10/96	<2	<20	<0.5	<2	—	<0.5	<20	240	<0.5	13	2.1	<0.5	0.7	2.7	<20	1 B	<2	<10	<0.5	<0.5	<0.5	<0.5	
	03/04/97	<2	<20	<0.5	<2	<0.5	<0.5	<20	190 J	<0.5	12	1.4	<0.5	0.5	1.4	<20	<1	<2	<10	<0.5	<0.5	<0.5	<0.5	
	06/27/97	<2	<20	<0.5	<10	—	<0.5	<20	370	<0.5	13	2.2	<0.5	0.9	3.0	<20	<1	<2	<10	<0.5	<0.5	<0.5	<0.5	
	09/04/97	<2	<5	6.2	<2	—	<0.5	<5	320	<0.5	9.5	2.4	<0.5	<0.5	2.9	<5	<1	<2	<5	<0.5	<0.5	2.7	<0.5	
	12/04/97	<2	<20	<0.5	<2	—	<0.5	<20	180	<0.5	9.1	1.4	<0.5	0.6	1.2	<20	<1	<2	<1	<0.5	<0.5	<0.5	<0.5	
	03/06/98	<2	<20	<0.5	<2	—	<0.5	<20	150	<0.5	11	1.8	<0.5	0.6	<0.5	<20	2.5	<2	<1	<0.5	<0.5	<0.5	<0.5	
	06/18/98	<2	<20	<0.5	<2	—	<0.5	<20	190	<0.5	12	2.6	<0.5	0.8	3.9	<20	<1	<2	<5	<0.5	<0.5	<0.5	<0.5	
	09/29/98	<2	<20	<0.5	<2	—	<0.5	<20	190 E	<0.5	10	2.1	<0.5	0.7	4.0	<20	<1	<2	<5	<0.5	<0.5	<0.5	<0.5	
	12/15/98	<2	<20	<0.5	<2	—	<0.5	<20	110	<0.5	9.9	0.9	<0.5	0.6	0.9	<20	<1	<2	<5	<0.5	<0.5	<0.5	<0.5	
	03/02/99	<2	<20	<0.5	<2	—	<0.5	<20	180	<0.5	10	0.9	<0.5	0.6	1.0	<20	<1	<2	<5	<0.5	<0.5	<0.5	<0.5	
	03/02/99	<2	<20	<0.5	<2	—	<0.5	<20	170	<0.5	9.5	0.8	<0.5	0.6	1.0	<20	<1	<2	<5	<0.5	<0.5	<0.5	<0.5	
	06/16/99	<2	<20	<0.5	<2	—	<0.5	<50	100	<0.5	7.4	<0.5	<0.5	0.5	1.0	<50	<5	<2	<5	<0.5	<0.5	<0.5	<0.5	
09/16/99	<0.2	<8	<0.2	<0.2	—	<0.2	<7	81	<0.2	7.5	0.8	<0.2	0.5	0.8	<6	<0.3	<0.2	<5	<0.3	<0.3	<0.2 J	<0.3		
12/08/99	<2	<20	<0.5	<2	—	<0.5	<20	73 J	<0.5	7.2	0.7	<0.5	0.6	0.70	<20	<1	<2	<2	<0.5	<0.5 J	<0.5 J	<0.5		

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene
MW-6 (cont.)	03/07/00	< 0.5	1.8	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	< 0.5	< 2	< 0.5	< 2	< 2	< 2
	06/21/00	< 0.2	0.7	0.78	0.7 J	< 0.07	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	09/12/00	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 5	< 1	< 1	< 1	< 1
	12/07/00	0.4 J	1.6 B	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	03/15/01	0.3 J	1.6	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	< 0.2	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	07/12/01	0.25 J	0.83	< 0.098	< 0.19	< 0.068	< 0.097	< 0.094	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	09/25/01	< 0.5	1.2	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	—	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	01/03/02	< 0.11	1.4 B	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	03/27/02	0.43 J	1.2	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	06/14/02	< 0.11	0.37 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	09/18/02	0.50	1.2	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	12/16/02	0.58	1.2	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	03/20/03	< 0.5	0.6	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	06/11/03	< 0.11	0.8 B	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	09/10/03	0.20 JB	0.59 B	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	12/04/03	0.23 J	0.45 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
03/16/04	< 0.11	0.16 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-7	12/22/97	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	2.0	< 0.5	< 2	< 2	< 2	< 2
	03/06/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	1.3	< 0.5	< 2	< 2	< 2	< 2
	06/18/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	1.0	< 0.5	< 2	< 2	< 2	< 2
	06/18/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	1.0	< 0.5	< 2	< 2	< 2	< 2
	09/29/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	1.1	< 0.5	< 2	< 2	< 2	< 2
	12/14/98	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	03/03/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	2.1	< 0.5	< 2	< 2	< 2	< 2
	06/17/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	0.6	< 0.5	< 2	< 2	< 2	< 2
	09/17/99	< 0.2	0.2 EB	0.2 E	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	0.9	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2
	12/08/99	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	2.3	< 0.5	< 2	< 2	< 2	< 2
	03/07/00	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 2	2.0	< 0.5	< 2	< 2	< 2	< 2
	06/21/00	< 0.2	< 0.1	0.58	0.4 J	< 0.07	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	0.3 J	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	09/12/00	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 5	< 1	< 1	< 1	< 1
	12/07/00	< 0.2	< 0.1	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	1.7	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	03/15/01	< 0.2	0.1 J	< 0.1	< 0.2	< 0.07	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.1	< 0.1	< 0.3	0.91	< 0.3	< 0.2	< 0.09	< 0.2	< 0.3
	07/12/01	< 0.11	0.11 J	< 0.098	< 0.19	< 0.068	< 0.097	< 0.094	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	0.28 J	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	08/27/01	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	—	0.72	< 0.5	< 2	< 2	< 2	< 2
	09/25/01	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	—	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	10/22/01	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	—	0.69	< 0.5	< 2	< 2	< 2	< 2
	11/20/01	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	—	1.30	< 0.5	< 2	< 2	< 2	< 2
	01/03/02	< 0.11	0.20 JB	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	1.2	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	03/28/02	< 0.11	0.20 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	0.58	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
06/14/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	0.31 J	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
09/17/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	0.37 J	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
09/17/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	0.36 J	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
12/17/02	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.5	< 2	< 2	< 2	< 0.5	< 2	< 5	1.4	< 2	< 2	< 2	< 2	< 2	
03/17/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	1.3	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
06/10/03	< 0.11	0.5 B	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
09/10/03	< 0.11	0.33 JB	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	0.17 J	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
12/04/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	1.7	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloro-ethane	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphth-alene	Hexane	TCA	TCE	PCE	Vinyl Chloride	
MW-6 (cont.)	03/07/00	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	72	< 0.5	6.9	0.8	< 0.5	0.5	0.8	< 20	< 1	< 2	< 5	< 0.5	< 0.5	< 0.5	< 0.5	
	06/21/00	< 0.3	< 3	< 0.2	< 0.4	—	< 0.2	< 3	29	< 0.1	6.6	0.4 J	< 0.2	0.3 J	0.3 J	< 4	< 0.20	< 0.3	< 0.2	< 0.2	0.3 J	2.6	< 0.3	
	09/12/00	< 10	< 50	< 5	< 10	—	< 5	< 25	53	< 1	5	< 1	< 1	< 1	< 1	< 25	< 5	< 10	< 10	< 1	< 1	< 1	< 1	
	12/07/00	< 0.3	< 3	< 0.2	< 0.4	—	< 0.2	< 3	52 J	< 0.1	5.8	0.5 J	< 0.2	0.51	0.7	< 4	< 0.20	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	
	03/15/01	< 0.3	< 3	< 0.2	< 0.4	—	< 0.2	< 3	54	< 0.1	6 J	0.64	< 0.2	0.4 J	0.5	< 4	0.4 J	< 0.3	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	
	07/12/01	< 0.22	< 2.3	< 0.16	< 0.38	—	—	< 2.8	29	< 0.096	4.8	0.40 J	< 0.12	0.27 J	0.39 J	< 3.3	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
	09/25/01	< 2	< 20	< 0.5	< 2	—	—	< 20	47	< 0.5	5.9	0.53	< 0.5	< 0.5	0.81	< 20	< 1	< 2	—	< 0.5	< 0.5	< 0.5	< 0.5	
	01/03/02	< 0.22	< 3.7	< 0.16	< 0.38	—	—	< 5.1	44	< 0.096	5.3	0.62	< 0.12	0.33 J	0.74	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
	03/27/02	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	63	< 0.096	5.1	0.78	< 0.12	0.38 J	1.0	< 4.1	0.29 J	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
	06/14/02	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	11	< 0.096	3.4	0.15 J	< 0.12	0.22 J	0.17 J	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
	09/18/02	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	36	< 0.096	4.9	0.52	< 0.12	0.40 J	0.92	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
	12/16/02	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	51	< 0.5	4.6	0.76	< 0.5	< 0.5	1.3	< 20	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	03/20/03	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	31	< 0.5	3.4	< 0.5	< 0.5	< 0.5	0.57	< 20	< 2	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	06/11/03	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	0.72	< 0.096	2.7	< 0.12	< 0.12	0.13 J	< 0.14	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
	09/10/03	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	4.9	< 0.096	3.4	< 0.12	< 0.12	0.20 J	0.36 J	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
	12/04/03	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	13	< 0.096	3.2	0.34 J	< 0.12	0.26 J	0.48 J	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22
03/16/04	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	2.2	< 0.096	1.5	< 0.12	< 0.12	0.13 J	< 0.14	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	< 0.12	< 0.11	< 0.22	
MW-7 dup dup	12/22/97	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	0.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 5	< 0.5	< 0.5	< 0.5	< 0.5	
	03/06/98	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 5	< 0.5	< 0.5	2.4	< 0.5	
	06/18/98	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 5	< 0.5	< 0.5	4.5	< 0.5	
	06/18/98	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 5	< 0.5	< 0.5	4.4	< 0.5	
	09/29/98	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 5	< 0.5	< 0.5	1.7	< 0.5	
	12/14/98	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 5	< 0.5	< 0.5	0.8	< 0.5	
	03/03/99	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 5	< 0.5	< 0.5	3.8	< 0.5	
	06/17/99	< 2	< 20	< 0.5	< 2	—	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	< 5	< 2	< 5	< 0.5	< 0.5	4.3	< 0.5	
	09/17/99	< 0.2	< 20	< 0.2	< 0.2	—	< 0.2	< 7	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.3	< 0.2	< 6	< 0.3	< 0.2	< 5	< 0.3	< 0.3	2 B	< 0.3	
	12/08/99	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 2	< 0.5	< 0.5	14	< 0.5	
	03/07/00	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	< 2	< 0.5	< 0.5	1.4	< 0.5	
	06/21/00	< 0.3	< 3	< 0.2	< 0.4	—	< 0.2	< 3	0.82	< 0.1	0.1 J	< 0.2	< 0.2	< 0.2	< 0.2	< 4	< 0.2	< 0.3	< 0.2	< 0.2	< 0.2	9.0	< 0.3	
	09/12/00	< 10	< 50	< 5	< 10	—	< 5	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 25	< 5	< 10	< 10	< 1	< 1	5	< 1	
	12/07/00	< 0.3	< 3	< 0.2	< 0.4	—	< 0.2	< 3	< 0.2	< 0.1	< 0.1	< 0.2	< 0.2	< 0.09	< 0.2	< 4	< 0.20	< 0.3	< 0.2	< 0.2	< 0.2	1	< 0.3	
	03/15/01	< 0.3	< 3	< 0.2	< 0.4	—	< 0.2	< 3	< 0.2	< 0.1	< 0.1	< 0.2	< 0.2	< 0.09	< 0.2	< 4	< 0.20	< 0.3	< 0.2	< 0.2	< 0.2	2.1	< 0.3	
	07/12/01	< 0.22	< 2.3	< 0.16	< 0.38	—	—	< 2.8	< 0.18	< 0.096	< 0.091	< 0.12	< 0.12	< 0.12	< 0.14	< 3.3	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	4.9	< 0.22	
	08/27/01	< 2	< 20	< 0.5	< 2	—	—	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	—	< 0.5	< 0.5	3	< 0.5	
	09/25/01	< 2	< 20	< 0.5	< 2	—	—	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	—	< 0.5	< 0.5	2.4	< 0.5	
	10/22/01	< 2	< 20	< 0.5	< 2	—	—	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	—	< 0.5	< 0.5	1.4	< 0.5	
	11/20/01	< 2	< 20	< 0.5	< 2	—	—	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 1	< 2	—	< 0.5	< 0.5	1.8	< 0.5	
	01/03/02	< 0.22	< 3.7	< 0.16	< 0.38	—	—	< 5.1	< 0.23	< 0.096	< 0.091	< 0.12	< 0.12	< 0.12	< 0.14	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	1.4	< 0.22	
	03/28/02	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	< 0.23	< 0.096	< 0.091	< 0.12	< 0.12	< 0.12	< 0.14	< 4.1	0.28 J	< 0.29	< 0.18	< 0.12	< 0.12	3.5	< 0.22	
06/14/02	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	< 0.23	< 0.096	< 0.091	< 0.12	< 0.12	< 0.12	< 0.14	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	4.7	< 0.22		
09/17/02	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	< 0.23	< 0.096	< 0.091	< 0.12	< 0.12	< 0.12	< 0.14	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	2.9	< 0.22		
09/17/02	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	< 0.23	< 0.096	< 0.091	< 0.12	< 0.12	< 0.12	< 0.14	< 4.1	< 0.20	< 0.29	< 0.18	< 0.12	< 0.12	2.7	< 0.22		
12/17/02	< 2	< 20	< 0.5	< 2	—	< 0.5	< 20	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 20	< 2	< 2	< 0.5	< 0.5	< 0.5	1.0	< 0.5		
03/17/03	< 0.22	< 4.1	< 0.16	< 0.38	—	< 0.17	< 5.1	< 0.23	< 0.096	< 0.091	< 0.12	< 0.12	< 0.12	< 0.14	< 4.1	< 0.								

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloro-ethane	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphth-alene	Hexane	TCA	TCE	PCE	Vinyl Chloride
MW-7	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	5.9	<0.22
MW-8	12/22/97	<2	26	<0.5	<2	—	<0.5	<20	<0.5	1.4	<0.5	<0.5	3.3	2.9	<0.5	<20	<1	<2	<5	<0.5	33	<0.5	0.7
	03/06/98	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	1.2	1.3	<0.5	<20	<1	<2	<5	<0.5	20	<0.5	0.7
	06/18/98	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	3	2.5	<0.5	<20	<1	<2	<5	<0.5	34	<0.5	0.8
	09/29/98	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	3.2	2.8	<0.5	<20	<1	<2	<5	<0.5	35	<0.5	0.6
	12/14/98	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	2.9	2.6	<0.5	<20	<1	<2	<5	<0.5	35	<0.5	0.6
dup	12/14/98	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	3	2.8	<0.5	<20	<1	<2	<5	<0.5	35	<0.5	0.6
	03/02/99	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	1.9	1.9	<0.5	<20	<1	<2	<5	<0.5	29	<0.5	0.6
	06/16/99	<2	<20	<0.5	<2	—	<0.5	<50	<0.5	<0.5	<0.5	<0.5	1.3	1.3	<0.5	<50	<5	<2	<5	<0.5	16	<0.5	0.6
	09/16/99	<0.2	<8	<0.2	<0.2	—	<0.2	<7	<0.2	<0.2	<0.2	<0.2	1.1	1.3	0.2 E	<6	<0.3	<0.2	<5	<0.3	15	0.2 EB	0.3 E
	12/08/99	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	2	2.3	<0.5	<20	<1	<2	<2	<0.5	25	<0.5	<0.5
	03/07/00	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	1.2	1.4	<0.5	<20	<1	<2	<2	<0.5	18	<0.5	<0.5
	06/21/00	<0.3	<3	<0.2	<0.4	—	<0.2	<3	0.5 J	<0.1	<0.1	<0.2	1.3	1.5	<0.2	<4	<0.20	<0.3	<0.2	<0.2	16	1.2	<0.3
	09/12/00	<10	<50	<5	<10	—	<5	<25	<1	<1	<1	<1	2	2	<1	<25	<5	<10	<10	<1	19	<1	<1
	12/07/00	<0.3	<3	<0.2	<0.4	—	<0.2	<3	<0.2	<0.1	<0.1	<0.2	2	2.4	0.3 J	<4	<0.20	<0.3	<0.2	<0.2	23	<0.2	0.3 J
	03/15/01	<0.3	<3	<0.2	<0.4	—	<0.2	<3	<0.2	<0.1	<0.1	<0.2	1.4	1.4	<0.2	<4	<0.20	<0.3	<0.2	<0.2	18	<0.2	<0.3
	07/12/01	<0.22	<2.3	<0.16	<0.38	—	—	<2.8	<0.18	<0.096	<0.091	<0.12	2.5	2.3	0.28 J	<3.3	<0.20	<0.29	<0.18	<0.12	28	<0.11	0.37 J
	08/27/01	<2	<20	<0.5	<2	—	—	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<1	<2	—	<0.5	0.91	<0.5	<0.5
	09/25/01	<2	<20	<0.5	<2	—	—	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<1	<2	—	<0.5	<0.5	<0.5	0.59
	10/22/01	<2	<20	<0.5	<2	—	—	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<1	<2	—	<0.5	<0.5	<0.5	0.5
	11/20/01	<2	<20	<0.5	<2	—	—	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<1	<2	—	<0.5	<0.5	<0.5	<0.5
	01/03/02	<0.22	<3.7	<0.16	<0.38	—	—	<5.1	<0.23	<0.096	<0.091	<0.12	2	2.3	0.24 J	<4.1	<0.20	<0.29	<0.38	<0.12	27	<0.11	<0.22
	03/27/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	0.72	1.0	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	14	0.17 J	<0.22
	06/14/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	0.77	1.0	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	11	0.13 J	<0.22
	09/18/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	2.5	2.8	0.30 J	<4.1	<0.20	<0.29	<0.18	<0.12	29	0.21 J	0.5
	12/16/02	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	3.1	3.0	<0.5	<20	<2	<2	<0.5	<0.5	34	<0.5	0.62
	03/17/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	2.5	2.6	0.24 J	<4.1	<0.20	<0.29	<0.18	<0.12	29	0.12 J	<0.22
	06/11/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	1.2	1.7	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	16	0.51	<0.22
	09/10/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	2.2	2.4	0.24 J	<4.1	<0.20	<0.29	<0.18	<0.12	32	0.26 J	0.41 J
dup	09/10/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	2.3	2.5	0.24 J	<4.1	<0.20	<0.29	<0.18	<0.12	32	0.21 J	0.45 J
	12/04/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	2.8	3.2	0.39 J	<4.1	<0.20	<0.29	<0.18	<0.12	36	<0.11	0.6
	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	0.59	0.92	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	11	0.31 J	<0.22
MW-9	07/12/01	<0.22	<2.3	<0.16	<0.38	—	—	<2.8	15	0.10 J	2.3	<0.12	<0.12	4.1	0.39 J	<3.3	<0.20	<0.29	<0.18	<0.12	0.28 J	0.15 J	0.26 J
dup	07/12/01	<0.22	<2.3	<0.16	<0.38	—	—	<2.8	14	0.15 J	2.3	<0.12	<0.12	3.4	0.30 J	<3.3	<0.20	<0.29	<0.18	<0.12	0.28 J	0.18 J	0.23 J
	08/27/02	<2	<20	<0.5	<2	—	—	<20	12	<0.5	2.4	<0.5	<0.5	5.2	0.52	<20	<1	<2	—	<0.5	<0.5	<0.5	<0.5
	09/25/01	<2	<20	<0.5	<2	—	—	<20	12	<0.5	2.3	<0.5	<0.5	4.8	<0.5	<20	<1	<2	—	<0.5	<0.5	<0.5	<0.5
	10/22/01	<2	<20	<0.5	<2	—	—	<20	12	<0.5	2.3	<0.5	<0.5	5.9	0.57	<20	<1	<2	—	<0.5	<0.5	<0.5	<0.5
	11/20/01	<2	<20	<0.5	<2	—	—	<20	10	<0.5	1.8	<0.5	<0.5	8.4	0.86	<20	<1	<2	—	<0.5	<0.5	<0.5	<0.5
	01/03/02	<0.22	<3.7	0.94	<0.38	—	—	<5.1	2.9	<0.096	0.65	<0.12	0.78	31	2.0	<4.1	<0.20	<0.29	<0.38	<0.12	18	<0.11	0.29 J
	03/27/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	0.38 J	<0.096	<0.091	<0.12	0.95	27	1.8	<4.1	0.21 J	<0.29	<0.18	<0.12	45	<0.11	0.26 J
	06/14/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	19	<0.096	1.8	0.21 J	0.25 J	12	1.1	<4.1	0.28 J	<0.29	<0.18	<0.12	6.2	<0.11	0.25 J
	09/17/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	21	<0.096	2.2	<0.12	<0.12	5.5	0.59	<4.1	0.27 J	<0.29	<0.18	<0.12	2.0	<0.11	0.23 J
	12/16/02	<2	<20	<0.5	<2	—	<0.5	<20	21	<0.5	2.4	<0.5	<0.5	4.2	<0.5	<20	<2	<2	<0.5	<0.5	0.9	<0.5	<0.5
	03/17/03	<0.22	<4.1	0.20 J	<0.38	—	<0.17	<5.1	2.70	<0.096	0.48 J	<0.12	0.74	27	1.8	<4.1	<0.20	<0.29	<0.18	<0.12	12	<0.11	<0.22
	06/11/03	<0.22	<4.1	0.21 J	<0.38	—	<0.17	<5.1	34	<0.096	2.3	0.41 J	<0.12	4.3	0.42 J	<4.1	0.40 J	<0.29	<0.18	<0.12	2	<0.11	0.22 J
	09/10/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	32	<0.096	2.5	0.43 J	<0.12	6.3	0.47 J	<4.1	0.32 J	<0.29	<0.18	<0.12	1.2	<0.11	0.32 J
	12/04/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	27	<0.096	2.5	<0.12	<0.12	6.4	0.66	<4.1	0.24 J	<0.29	<0.18	<0.12	0.48 J	<0.11	<0.22

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene
MW-9	03/16/04	0.98	0.24 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
MW-10 dup	07/12/01	< 0.11	0.14 J	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	09/25/01	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.50	< 2	< 2	< 2	< 0.5	< 2	—	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	01/03/02	< 0.11	0.45 JB	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	01/03/02	< 0.11	0.44 JB	< 0.098	< 0.19	< 0.068	< 0.097	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.097	< 0.24	< 0.13	< 0.22	< 0.12	< 0.089	< 0.13	< 0.23
	03/28/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	06/14/02	< 0.11	0.24 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	09/17/02	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	12/17/02	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.50	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	03/20/03	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.50	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	06/10/03	< 0.11	0.43 JB	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	09/10/03	< 0.11	0.22 JB	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	12/04/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
	03/16/04	< 0.11	0.17 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23
MW-11 dup	07/12/01	—	—	—	—	—	—	—	—	—	—	< 0.94	—	—	< 1.3	—	—	—	—	—
	08/27/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	09/24/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/15/01	< 0.5	< 0.5	< 0.5	< 0.5	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	10/15/01	< 0.5	< 0.5	< 0.5	< 0.5	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	10/22/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/22/01	< 2.5	< 2.5	< 2.5	< 2.5	—	—	—	—	—	—	< 2.5	—	—	< 2.5	—	—	—	—	—
	10/29/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/29/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	11/19/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	01/02/02	< 0.53	< 0.49	< 0.49	< 0.93	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.45	< 0.64	< 1.2
	03/27/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3
	06/11/02	< 0.53	< 0.49	< 0.49	< 1.5	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.45	< 0.64	< 1.2
	09/17/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3
	12/16/02	1.1	< 1	< 1	< 1	< 4	< 4	< 1.0	< 4	< 4	< 4	< 1	< 4	< 10	< 1	< 1	< 4	< 4	< 4	< 4
	03/17/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2
03/17/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2	
06/10/03	< 0.53	0.85 JB	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2	
09/10/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2	
12/05/03	0.86 J	< 0.2	< 0.26	< 0.44	< 0.14	< 0.20	< 0.19	< 0.25	< 0.29	< 0.26	< 0.19	< 0.20	< 0.48	< 0.25	< 0.43	< 0.23	< 0.21	< 0.26	< 0.45	
03/16/04	< 0.53	< 0.49	< 0.65	< 1.5	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2	
MW-12	07/12/01	—	—	—	—	—	—	—	—	—	—	< 2.4	—	—	< 3.1	—	—	—	—	—
	08/27/01	< 25	< 25	< 25	< 25	—	—	—	—	—	—	< 25	—	—	< 25	—	—	—	—	—
	09/24/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/15/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/15/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/22/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/22/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/29/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	10/29/01	< 5	< 5	< 5	< 5	—	—	—	—	—	—	< 5	—	—	< 5	—	—	—	—	—
	11/19/01	< 10	< 10	< 10	< 10	—	—	—	—	—	—	< 10	—	—	< 10	—	—	—	—	—
01/03/02	< 0.21	0.4 JB	< 0.20	0.62 J	< 0.14	< 0.20	< 0.19	< 0.25	< 0.29	< 0.26	< 0.19	< 0.20	< 0.48	< 0.25	< 0.43	< 0.23	< 0.18	< 0.26	< 0.45	

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloro-ethane	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphth-alene	Hexane	TCA	TCE	PCE	Vinyl Chloride
MW-9	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	2.2	<0.096	0.79	<0.12	0.39 J	14	1.0	<4.1	<0.20	<0.29	<0.18	<0.12	11	<0.11	0.23 J
MW-10 dup	07/12/01	<0.22	<2.3	<0.16	<0.38	—	—	<2.8	<0.18	<0.096	<0.091	<0.12	<0.12	0.65	<0.14	<3.3	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	09/25/01	<2	<20	<0.5	<2	—	—	<20	<0.5	<0.5	<0.5	<0.5	<0.5	0.59	<0.5	<20	<1	<2	—	<0.5	<0.5	<0.5	<0.5
	01/03/02	<0.22	<3.7	<0.16	<0.38	—	—	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.48 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	01/03/02	<0.22	<3.7	<0.16	<0.38	—	—	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.44 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	03/28/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.48 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	06/14/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.41 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	09/17/02	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.59	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	12/17/02	<2	<20	0.51	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5
	03/20/03	<2	<20	<0.5	<2	—	<0.5	<20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<2	<2	<0.5	<0.5	<0.5	<0.5	<0.5
	06/10/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.37 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	09/10/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.47 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	12/04/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.46 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	0.45 J	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
MW-11 dup	07/12/01	—	—	—	—	—	—	—	<1.8	<0.96	<0.91	<1.2	<1.2	19	<1.4	—	<2.0	—	—	<1.2	78	2,000	2.5 J
	08/27/01	—	—	—	—	—	—	—	<5	<5	<5	<5	<5	19	<5	—	<10	—	—	<5	69	1,600	<5
	09/24/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	22	<5	—	<10	—	—	<5	84	1,900	<5
	10/15/01	—	<20	—	—	—	—	—	<0.5	<0.5	1.4	<0.5	0.53	28	1.4	—	<1.0	—	—	<0.5	83	1,600	1.2
	10/15/01	—	<20	—	—	—	—	—	<0.5	<0.5	1.4	<0.5	0.54	29	1.4	—	<1.0	—	—	<0.5	86	1,700	1.2
	10/22/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	25	<5	—	<10	—	—	<5	92	2,000	<5
	10/22/01	—	<100	—	—	—	—	—	<2.5	<2.5	<2.5	<2.5	<2.5	25	<2.5	—	<5	—	—	<2.5	92	2,000	<2.5
	10/29/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	25	<5	—	<10	—	—	<5	91	1,700	<5
	10/29/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	25	<5	—	<10	—	—	<5	92	1,800	<5
	11/19/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	20	<5	—	<10	—	—	<5	78	1,900	<5
	01/02/02	<1.1	<19	<0.80	<1.9	—	—	<26	<1.2	<0.48	<0.46	<0.57	<0.60	18	0.75 J	<21	<0.97	<1.5	<0.90	<0.56	78	1,900	<1.1
	03/27/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	<1.2	19	<1.4	<41	4.0 J	<2.9	<1.8	<1.2	67	1,800	<2.2
	06/11/02	<1.1	<21	<0.80	<1.9	—	<1.7	<26	<1.2	<0.48	<0.46	<0.57	<0.60	19	<0.70	<21	<0.97	<1.5	<0.90	<0.57	64	1,500	<1.1
	09/17/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	<1.2	16	<1.4	<41	<2.0	<2.9	<1.8	<1.2	67	2,000	<2.2
	12/16/02	<4	<40	<1	<4	—	<1	<40	<1	<1	2.2	<1	<1	7.9	<1	<40	<4	<4	<1	<1	40	680	1.7
	03/17/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	1.0 J	<0.57	<0.60	7.5	<0.70	<21	1.3 J	<1.5	<0.90	<0.57	46	1,100	<1.1
	03/17/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	1.0 J	<0.57	<0.60	7.5	<0.70	<21	1.3 J	<1.5	<0.90	<0.57	45	1,100	<1.1
06/10/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	0.50 J	0.9 J	<0.57	<0.60	7.4	<0.70	<21	<0.97	<1.5	<0.90	<0.57	53	1,500	1.5 J	
09/10/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	0.50 J	<0.46	<0.57	<0.60	6.0	<0.70	<21	<0.97	<1.5	<0.90	0.75 J	62	1,700	1.6 J	
12/05/03	<0.44	<8.2	<0.32	<0.76	—	<0.34	<11	<0.46	0.20 J	2.9	<0.23	0.40 J	8.8	0.68 J	<8.2	<0.39	<0.57	<0.36	0.30 J	58	1,100	2.1	
03/16/04	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	0.55 J	0.55 J	<0.57	<0.60	5.2	<0.70	<21	<0.97	<1.5	<0.90	0.65 J	47	1,500	<1.1	
MW-12	07/12/01	—	—	—	—	—	—	—	<4.4	<2.4	<2.3	<2.9	<3.0	170	5.0 J	—	<4.9	—	—	<2.8	200	6,100	<5.3
	08/27/01	—	—	—	—	—	—	—	<25	<25	<25	<25	<25	150	<25	—	<25	—	—	<25	160	6,000	<25
	09/24/01	—	<200	—	—	—	—	—	<5	<5	<5	<5	<5	52	<5	—	<10	—	—	<5	86	2,400	<5
	10/15/01	—	9,300	—	—	—	—	—	<5	<5	<5	<5	<5	23	<5	—	<10	—	—	<5	43	1,500	<5
	10/15/01	—	8,800	—	—	—	—	—	<5	<5	<5	<5	<5	22	<5	—	<10	—	—	<5	40	1,600	<5
	10/22/01	—	7,500	—	—	—	—	—	<5	<5	<5	<5	<5	48	<5	—	<10	—	—	<5	66	2,600	<5
	10/22/01	—	8,400	—	—	—	—	—	<5	<5	<5	<5	<5	39	<5	—	<10	—	—	<5	62	2,400	<5
	10/29/01	—	4,900	—	—	—	—	—	<5	<5	<5	<5	<5	61	<5	—	<10	—	—	<5	76	2,300	<5
	10/29/01	—	4,500	—	—	—	—	—	<5	<5	<5	<5	<5	60	<5	—	<10	—	—	<5	70	2,100	<5
	11/19/01	—	1,900	—	—	—	—	—	<10	<10	<10	<10	<10	190	<10	—	<20	—	—	<10	210	3,300	<10
	01/03/02	<0.44	19 J	1.2	<0.76	—	—	<11	2.6	0.22 J	0.52 J	<0.23	1.1	340	3.8	<8.2	<0.39	<0.57	<0.36	<0.23	72	440	<0.43

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene	
MW-12 dup dup	03/27/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	03/27/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	06/11/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	06/11/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	09/17/02	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	12/16/02	< 5	< 5	< 5	< 5	< 20	< 20	< 5.0	< 20	< 20	< 20	< 20	< 5	< 20	< 50	< 5	< 5	< 20	< 20	< 20	< 20
	03/17/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2	
	06/10/03	< 1.1	< 0.98	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	09/10/03	< 1.1	1.0 JB	< 1.3	< 2.2	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	12/05/03	< 0.53	< 0.49	< 0.65	< 1.1	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	0.50 J	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.52	< 0.64	< 1.2	
03/16/04	< 0.42	< 0.39	< 0.52	< 1.2	< 0.28	< 0.40	< 0.38	< 0.49	< 0.57	< 0.52	0.44 J	< 0.40	< 0.96	< 0.50	< 0.86	< 0.45	< 0.42	< 0.51	< 0.89		
MW-13 dup	03/31/03	< 25	21,000	1,600	6,900	< 100	< 100	< 25	140	260	< 100	< 25	< 100	< 250	< 25	< 25	< 100	< 100	< 100	< 100	
	05/14/03	< 11	21,000	1,900	8,100	55 J	93 J	< 9.5	170 J	320	< 13	< 9.4	< 9.8	< 24	< 13	< 22	< 12	< 11	< 13	< 23	
	06/11/03	< 11	20,000	2,300	9,800	77 J	120 J	< 9.5	210	370	< 13	< 9.4	< 9.8	< 24	< 13	< 22	< 12	< 11	< 13	< 23	
	06/11/03	< 11	22,000	2,500	10,600	82 J	130 J	< 9.5	240	410	< 13	< 9.4	< 9.8	< 24	< 13	< 22	< 12	< 11	< 13	< 23	
	09/11/03	5.5 J	25,000	2,400	10,200	73 J	< 4.9	< 4.8	230	400	< 6.4	< 4.7	< 4.9	< 12	< 6.2	< 11	< 5.6	< 5.2	< 6.4	< 12	
	12/04/03	6.5 J	29,000	2,900	12,300	100	160	< 4.8	280	510	< 6.4	< 4.7	< 4.9	< 12	< 6.2	< 11	< 5.6	< 5.2	< 6.4	< 12	
	03/15/04	7 J	32,000	2,900	14,000	110	170	84	280	540	< 6.4	< 4.7	< 4.9	< 12	< 6.2	< 11	< 5.6	< 5.2	< 6.4	< 12	
06/10/04	< 11	25,000	2,300	10,300	71 J	100 J	< 9.5	190 J	310	< 13	< 9.4	< 9.8	< 24	< 13	< 22	< 12	< 11	< 13	< 23		
MW-14	10/30/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	12/04/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	03/16/04	< 0.11	0.21 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	06/10/04	< 0.11	0.10 J	< 0.13	0.31 J	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-15	10/30/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	12/04/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	03/16/04	< 0.11	0.17 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	06/10/04	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-16	10/30/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	12/05/03	< 0.11	< 0.098	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	03/16/04	< 0.11	0.12 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	06/10/04	< 0.11	0.15 J	< 0.13	< 0.22	< 0.068	< 0.098	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-17	10/30/03	15	5.8	260	1,616	7.1	4.7	< 0.19	11	22	4.0	< 0.19	< 0.20	< 0.48	< 0.25	< 0.43	< 0.23	< 0.21	< 0.26	< 0.45	
	12/04/03	11	5.8	180	1,412	5.4	3.6 J	< 0.19	9.5	17	4.1	< 0.19	< 0.20	< 0.48	< 0.25	< 0.43	< 0.23	< 0.21	< 0.26	< 0.45	
	03/15/04	21	9.6	170	1,428	8.1	6.4	< 0.095	14	29	5.9	< 0.094	0.12 J	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	06/10/04	14	5.4	190	2,114	7.3	5.1	< 0.095	13	22	3.3	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-18 dup	10/30/03	< 2.1	120	14	93	< 1.4	< 2.0	< 1.9	< 2.5	< 2.9	< 2.6	< 1.9	< 2.0	< 4.8	< 2.5	< 4.3	< 2.3	< 2.1	< 2.6	< 4.5	
	12/04/03	1.6 J	71	9	50	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	1.1 J	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	12/04/03	1.6 J	68	8.5	48	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3	
	03/16/04	0.17 J	1.4	1.7	6.4	< 0.68	< 0.98	< 0.095	0.13 J	0.28 J	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	06/10/04	< 0.11	0.42 J	0.83	3.6	< 0.68	< 0.98	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
MW-19 dup	02/20/04	3.1 J	180	13	73	0.32 J	0.22 J	< 0.095	0.66 J	1.3 J	0.5 J	< 0.094	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	03/16/04	3.0	110	9.5	42	0.24 J	0.15 J	< 0.095	0.47 J	0.90 J	0.42 J	0.23 J	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	03/16/04	3.0	99	10	44	0.26 J	0.18 J	< 0.095	0.50 J	1.0 J	0.45 J	0.23 J	< 0.098	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	
	06/10/04	1.6	1.3	0.47 J	2.06	< 0.68	< 0.98	< 0.095	< 0.13	< 0.15	< 0.13	< 0.094	0.10 J	< 0.24	< 0.13	< 0.22	< 0.12	< 0.11	< 0.13	< 0.23	

Table D-6

**VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloroethane	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphthalene	Hexane	TCA	TCE	PCE	Vinyl Chloride
MW-12 dup	03/27/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	7.7	2,700	12	<41	<2.0	<2.9	<1.8	<1.2	640	2,100	<2.2
	03/27/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	8.5	2,800	13	<41	<2.0	<2.9	<1.8	<1.2	660	2,300	<2.2
	06/11/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	5.5	2,000	9.9	<41	<2.0	<2.9	<1.8	<1.2	600	2,400	<2.2
	06/11/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	5.6	2,000	9.5	<41	<2.0	<2.9	<1.8	<1.2	580	2,400	<2.2
	09/17/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	9.4	3,500	14	<41	<2.0	<2.9	<1.8	<1.2	720	1,300	<2.2
	12/16/02	<20	<200	<5	<20	—	<5	<200	<5	<5	<5	<5	9.3	3,600	17	<200	<20	<20	<5	<5	1,300	430	<5
	03/17/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	<0.46	<0.57	5.5	2,500	14	<21	1.5 J	<1.5	<0.90	<0.57	1,200	460	<1.1
	06/10/03	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	4.8 J	2,200	20	<41	<2.0	<2.9	<1.8	<1.2	1,500	2,100	<2.2
	09/10/03	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	4.5 J	2,400	16	<41	<2.0	<2.9	<1.8	<1.2	3,500	900	12
	12/05/03	<1.1	<21	<0.8	<1.9	—	<0.83	<26	<1.2	<0.48	<0.46	<0.57	4.7	2,000	20	<21	1.3 J	<1.5	<0.90	<0.57	2,100	1,500	37
03/16/04	<0.88	<17	<0.64	<1.6	—	<0.67	<21	<0.91	<0.39	<0.37	<0.46	4.8	2,500	25	<17	<0.78	<1.2	<0.72	<0.46	1,200	2,100	57	
MW-13 dup	03/31/03	<100	<1,000	<25	<100	—	<25	<1,000	260	<25	2,700	<25	320	23,000	<25	<1,000	<100	<100	33	2,900	<25	<25	1,100
	05/14/03	<22	<410	<16	<38	—	<17	<510	440	<9.6	3,600	<12	440	25,000	33 J	<410	23 J	<29	47 J	3,700	<12	<11	1,200
	06/11/03	<22	<410	20 J	<38	—	<17	<510	490	<9.6	3,900	<12	440	26,000	25 J	<410	25 J	<29	38 J	3,600	<12	<11	1,200
	06/11/03	<22	<410	58 J	<38	—	<17	<510	470	<9.6	4,000	<12	450	29,000	28 J	<410	30 J	<29	47 J	3,800	<12	<11	1,300
	09/11/03	<11	<210	<8	<19	—	<8.3	<260	490	<4.8	4,400	<5.7	460	30,000	20 J	<210	25 J	<15	25 J	4,100	<5.9	<5.5	1,400
	12/04/03	<11	<210	<8	<19	—	<8.3	<260	380	<4.8	5,600	<5.7	490	33,000	66 J	<210	25 J	<15	53	3,300	<5.9	<5.5	1,800
	03/15/04	<11	<210	<8	<19	—	<8.3	<260	310	<4.8	6,200	<5.7	490	38,000	32	<210	26 J	<15	63	2,900	<5.9	<5.5	1,700
06/10/04	<22	<410	<16	<28	—	<17	<180	260	<9.6	5,300	<12	470	31,000	26 J	<190	58 J	<29	38 J	2,800	<12	<11	2,200	
MW-14	10/30/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	12/04/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	06/10/04	<0.22	<4.1	<0.16	<0.28	—	<0.17	<1.8	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<1.9	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
MW-15	10/30/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	0.14 J	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.29 J
	12/04/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	0.14 J	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.35 J
	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	0.14 J	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.24 J
	06/10/04	<0.22	<4.1	<0.16	<0.28	—	<0.17	<1.8	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<1.9	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	0.23 J
MW-16	10/30/03	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	0.27 J	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	12/05/03	<0.22	<4.1	0.46 J	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<4.1	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
	06/10/04	<0.22	<4.1	<0.16	<0.28	—	<0.17	<1.8	<0.23	<0.096	<0.091	<0.12	<0.12	<0.12	<0.14	<1.9	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	<0.22
MW-17	10/30/03	<0.44	<8.2	<0.32	<0.76	—	<0.34	<11	190	0.34 J	4.3	2.1	<0.24	2.8	<0.28	<8.2	1.5 J	<0.57	<0.36	<0.23	<0.24	<0.22	9.1
	12/04/03	<0.44	<8.2	<0.32	<0.76	—	<0.34	<11	140	<0.20	4.1	1.4	<0.24	<0.24	<0.28	<8.2	0.68 J	<0.57	<0.36	<0.23	<0.24	<0.22	0.54 J
	03/15/04	<0.22	<4.1	0.43 J	<0.38	—	<0.17	<5.1	230	0.34 J	5.3	2.5	<0.12	13	<0.14	<4.1	2.7	0.85 J	0.76 J	<0.12	<0.12	<0.11	57
	06/10/04	<0.22	<4.1	<0.16	<0.28	—	<0.17	<1.8	180	<0.096	4.1	1.9	<0.12	0.32 J	<0.14	<1.9	1.4 J	0.54 J	0.33 J	<0.12	<0.12	<0.11	0.93
MW-18 dup	10/30/03	<4.4	<82	<3.2	<7.6	—	<3.4	<110	14	<2.0	12	<2.3	6.2 J	5,400	<2.8	<82	<3.9	<5.7	<3.6	<2.3	<2.4	<2.2	7,900
	12/04/03	<2.2	<41	<1.6	<3.8	—	<1.7	<51	23	<0.96	15	<1.2	3.7 J	3,500	3.4 J	<41	<2.0	<2.9	<1.8	<1.2	<1.2	<1.1	4,700
	12/04/03	<2.2	<41	<1.6	<3.8	—	<1.7	<51	20	<0.96	14	<1.2	3.7 J	3,700	4.5 J	<41	<2.0	<2.9	<1.8	<1.2	<1.2	<1.1	5,400
	03/16/04	<0.22	<4.1	<0.16	<0.38	—	<0.17	<5.1	1.8	<0.096	4.9	<0.12	<0.12	16	<0.14	<4.1	<0.20	<0.29	0.44 J	<0.12	<0.12	<0.11	23
	06/10/04	<0.22	<4.1	<0.16	<0.28	—	<0.17	<1.8	0.91	<0.096	2.7	<0.12	<0.12	5.0	<0.14	<1.9	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	6.6
MW-19 dup	02/20/04	<0.22	5.2 J	<0.16	<0.38	—	<0.17	<5.1	11	<0.096	11	<0.12	<0.12	0.51	<0.14	<4.1	0.23 J	<0.29	1.5	<0.12	<0.12	<0.11	3
	03/16/04	<0.22	5.3 J	<0.16	<0.38	—	<0.17	<5.1	5.8	<0.096	9.2	<0.12	<0.12	0.32 J	<0.14	<4.1	<0.20	<0.29	1.6	<0.12	<0.12	<0.11	12
	03/16/04	<0.22	5.3 J	<0.16	<0.28	—	<0.17	<5.1	6.1	<0.096	9.6	<0.12	<0.12	0.39 J	<0.14	<4.1	<0.20	<0.29	1.9	<0.12	<0.12	<0.11	12
	06/10/04	<0.22	<4.1	0.16 J	<0.28	—	<0.17	<1.8	<0.23	<0.096	1.4	<0.12	<0.12	2.7	<0.14	<1.9	<0.20	<0.29	<0.18	<0.12	<0.12	<0.11	42

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	Isopropylbenzene	n-propylbenzene	Styrene	1,3,5-TMB	1,2,4-TMB	4-isopropyltoluene	Chlorobenzene	1,4-Dichlorobenzene	2-Nitropropane	1,2-Dichloropropane	1,2,3-TCP	2-Chlorotoluene	4-Chlorotoluene	sec-butylbenzene	n-butylbenzene
INJ-1	07/09/01	—	—	—	—	—	—	—	—	—	—	< 0.47	—	—	< 0.62	—	—	—	—	—
	11/20/01	< 0.5	< 0.5	< 0.5	< 0.5	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	06/11/02	< 0.21	< 0.20	< 0.26	< 0.6	< 0.14	< 0.20	< 0.19	< 0.25	< 0.29	< 0.26	< 0.19	< 0.20	< 0.48	< 0.26	< 0.43	< 0.23	< 0.21	< 0.26	< 0.45
INJ-2	07/09/01	—	—	—	—	—	—	—	—	—	—	< 2.4	—	—	< 3.1	—	—	—	—	—
	10/15/01	< 0.5	< 0.5	1.6	6	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	10/22/01	< 0.5	0.53	2.9	11.3	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	10/29/01	< 0.5	0.65	1.4	6.8	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	11/19/01	< 0.5	< 0.5	0.89	4.4	—	—	—	—	—	—	< 0.5	—	—	< 0.5	—	—	—	—	—
	06/11/02	< 1.1	< 0.98	< 1.3	< 2.9	< 0.68	< 0.98	< 0.95	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3
	06/10/03	< 1.1	1.1 JB	< 1.3	< 2.9	< 0.68	< 0.98	1.0 J	< 1.3	< 1.5	< 1.3	< 0.94	< 0.98	< 2.4	< 1.3	< 2.2	< 1.2	< 1.1	< 1.3	< 2.3
INJ-3 dup	07/09/01	—	—	—	—	—	—	—	—	—	—	< 0.47	—	—	< 0.62	—	—	—	—	—
	11/20/01	< 1.0	< 1.0	< 1.0	< 1.0	—	—	—	—	—	—	< 1.0	—	—	< 1.0	—	—	—	—	—
	06/11/02	< 0.53	< 0.49	< 0.65	< 1.5	< 0.34	< 0.49	< 0.48	< 0.61	< 0.71	< 0.64	< 0.47	< 0.49	< 1.2	< 0.62	< 1.1	< 0.56	< 0.45	< 0.64	< 1.2
	12/17/02	1.3	< 0.5	< 0.5	< 0.5	< 2	< 2	< 0.50	< 2	< 2	< 2	< 0.5	< 2	< 5	< 0.5	< 0.5	< 2	< 2	< 2	< 2
	06/10/03	< 0.21	0.80 JB	< 0.26	< 0.44	< 0.14	< 0.2	< 0.20 J	< 0.25	< 0.29	< 0.26	< 0.19	< 0.2	< 0.48	< 0.25	< 0.43	< 0.23	< 0.21	< 0.26	< 0.45
Minimum Detection	0.17 J	0.10 J	0.12 J	0.12 J	0.24 J	0.15 J	0.20 J	0.13 J	0.28 J	0.42 J	0.23 J	0.10 J	28	0.17 J	2 E	3.3	4 J	0.75 J	2 J	
Maximum Detection	140	32,000	2,900	14,000	290	400	84	280	540	7 J	1.1 J	0.12 J	28	2.3	2 E	7 E	4 J	3 J	11	
Analytes Quantitated	358	358	358	358	323	323	325	323	323	323	363	323	308	363	323	323	323	323	323	
Number of Detections	116	177	99	105	68	68	4	70	70	38	6	4	1	27	1	2	1	18	2	
Frequency of Detection	32%	49%	28%	29%	21%	21%	1%	22%	22%	12%	2%	1%	0.3%	7%	0.3%	0.6%	0.3%	6%	0.6%	
Minimum Detection Limit	0.11	0.098	0.098	0.19	0.068	0.097	0.094	0.13	0.15	0.13	0.094	0.097	0.24	0.13	0.22	0.12	0.089	0.13	0.20	
Maximum Detection Limit	50	25	25	25	200	200	50	200	200	200	50	200	1,000	50	50	200	200	200	200	
<p>NOTE: All results in µg/L.</p> <p>1995 analyses performed using EPA Method 8240A.</p> <p>Analyses since 1996 performed using EPA Method 8260A.</p> <p>Only detected VOCs shown.</p> <p>< = less than the reporting limit shown.</p> <p>— = not quantitated.</p> <p>dup = duplicate sample.</p> <p>NA = not available.</p> <p>B = the analyte was also detected in an associated blank.</p> <p>J = the associated numerical value is an estimated quantity based on data review or laboratory estimate below the MRL but above the MDL.</p> <p>Y = the chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.</p> <p>Z = the chromatographic fingerprint does not resemble a petroleum product.</p> <p>Results from June 2000 and from December 2000 onward are reported relative to the method detection limits (MDLs) due to elevated method reporting limits.</p> <p>E = laboratory estimated concentration.</p> <p>1,2,4-TCB = 1,2,4-trichlorobenzene.</p> <p>1,2,4-TMB = 1,2,4-trimethylbenzene.</p> <p>1,3,5-TMB = 1,3,5-trimethylbenzene.</p> <p>1,2,3-TCP = 1,2,3-trichloropropane.</p>																				

Table D-6

VOCs Detected in Groundwater Samples from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	1,2,4-TCB	Acetone	Carbon Disulfide	HCBD	CFC 113	CFC 12	MIBK	Chloro-ethane	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	MEK	Methylene Chloride	Naphthalene	Hexane	TCA	TCE	PCE	Vinyl Chloride
INJ-1	07/09/01	—	—	—	—	—	—	—	25	<0.48	9.3	<0.58	0.65 J	29	1.5 J	—	<0.97	—	—	<0.56	97	620	2.9
	11/20/01	—	1,900	—	—	—	—	—	2.8	<0.5	1.2	<0.50	<0.50	8.1	0.71 J	—	<1.0	—	—	<0.5	30	17	<0.5
	06/11/02	<0.44	20 J	<0.32	<0.76	—	<1.7	<11	<0.46	<0.20	0.60 J	<0.23	1.9	520	3.9	<8.2	<0.39	<0.57	<0.36	<0.23	3.7	8.5	0.44 J
INJ-2	07/09/01	—	—	—	—	—	—	—	<4.4	<2.4	<2.3	<2.9	<3.0	200	5.3 J	—	<4.9	—	—	<2.8	240	6,300	5.5 J
	10/15/01	—	780	—	—	—	—	—	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	—	<1.0	—	—	<0.5	1.8	33	<0.5
	10/22/01	—	210	—	—	—	—	—	<0.5	<0.5	<0.5	<0.5	<0.5	2	<0.5	—	<1.0	—	—	<0.5	2.8	57	<0.5
	10/29/01	—	140	—	—	—	—	—	<0.5	<0.5	<0.5	<0.5	<0.5	2.9	<0.5	—	<1.0	—	—	<0.5	4.3	68	<0.5
	11/19/01	—	200	—	—	—	—	—	<0.5	<0.5	<0.5	<0.5	<0.5	7.3	0.53	—	<1.0	—	—	<0.5	9.2	230	<0.5
	06/11/02	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	5.4	2,100	16	<41	<2.0	<2.9	<1.8	<1.2	600	1,000	<2.2
	06/10/03	<2.2	<41	<1.6	<3.8	—	<1.7	<51	<2.3	<0.96	<0.91	<1.2	5.3	2,100	19	<41	<2.0	<2.9	<1.8	<1.2	610	2,700	<2.2
INJ-3	07/09/01	—	—	—	—	—	—	—	5.9	<0.48	3.4	<0.58	0.95 J	39	2.2 J	—	<0.97	—	—	<0.56	250	520	7.3
	11/20/01	—	<1.0	—	—	—	—	—	<1.0	<1.0	<1.0	<1.0	<1.0	49	1.2	—	<2	—	—	<1.0	130	670	1.8
	06/11/02	<1.1	25 J	<0.80	<1.9	—	<1.7	<26	<1.2	<0.48	1.2 J	<0.57	3.4	1,200	6.4	<21	<0.97	<1.5	<0.90	<0.57	240	530	180
	12/17/02	<2	<20	3.7	<2	—	<0.5	<20	<0.5	<0.5	2.0	<0.5	0.53	250	5.5	<20	<2	<2	<0.5	<0.5	100	150	90
	12/17/02	<2	<20	1.4	<3	—	<0.5	<20	<0.5	<0.5	1.9	<0.5	0.6	270	5.5	<20	<2	<2	<0.5	<0.5	120	180	91
dup	06/10/03	<0.44	<8.2	0.50 J	<0.76	—	<0.34	<11	2.2	<0.20	0.40 J	<0.23	0.98 J	350	5.1	<8.2	<0.39	<0.57	<0.36	<0.23	140	390	78
Minimum Detection	120	5.2 J	0.16 J	3 EB	0.7	0.7 J	7	0.38 J	0.10 J	0.48 J	0.15 J	0.25 J	0.13 J	0.17 J	17 J	0.20 J	0.54 J	0.33 J	0.30 J	0.13 J	0.12 J	0.22 J	
Maximum Detection	260	9,300	20 J	3 EB	13 J	0.7 J	21	2,000	31	6,200	3.2	490	38,000	66	140	58 J	9	63	4,100	3,500	6,300	7,900	
Analytes Quantitated	323	351	323	323	9	280	326	362	362	362	362	362	362	362	327	362	324	309	362	362	362	362	
Number of Detections	4	33	26	1	2	1	2	157	38	208	45	87	291	156	4	81	20	39	56	191	177	154	
Frequency of Detection	1%	9%	8%	0.3%	22%	0.4%	0.6%	43%	10%	57%	12%	24%	80%	43%	1%	22%	6%	13%	15%	53%	49%	43%	
Mimumum Detection Limit	0.20	2.3	0.16	0.038	0.5	0.17	1.8	0.18	0.096	0.091	0.12	0.12	0.09	0.14	1.9	0.20	0.20	0.18	0.12	0.12	0.11	0.22	
Maximum Detection Limit	200	2,000	50	200	50	50	5,000	25	50	25	50	50	50	50	5,000	500	200	1,000	50	50	50	50	
HCBD = hexachlorobutadiene. CFC 113 = trichlorotrifluoroethane. CFC 12 = dichlorodifluoromethane. MIBK = 4-methyl-2-pentanone. 1,1-DCA = 1,1-dichloroethane. 1,2-DCA = 1,2-dichloroethane. 1,1-DCE = 1,1-dichloroethene. cis-1,2-DCE = cis-1,2-dichloroethene. trans-1,2-DCE = trans-1,2-dichloroethene. MEK = methyl ethyl ketone (2-butanone). TCA = 1,1,1-trichloroethane. TCE = trichloroethene. PCE = tetrachloroethene.																							

Table D-7

**Total Petroleum Hydrocarbons in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Gasoline	Petroleum Naphtha	Mineral Spirits	Diesel	Oil	Kerosene
MW-2 dup	06/16/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	06/16/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	09/16/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	12/08/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	03/07/00	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	06/21/00	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	09/12/00	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	12/07/00	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	03/15/01	< 0.05	< 0.05	< 0.25	< 0.25 J	< 0.50	< 0.25
	07/12/01	< 0.05	< 0.05	< 0.25	< 0.25	< 0.25	< 0.25
	09/24/01	< 0.25	—	—	< 0.05	—	—
	01/03/02	< 0.021	—	—	0.058 J	0.048 J	—
	03/28/02	na	—	—	< 0.25	< 0.50	< 0.25
	06/14/02	na	—	—	< 0.25	< 0.50	< 0.25
	09/18/02	na	—	—	0.087 J	0.091 J	—
	12/16/02	na	—	—	< 0.25	< 0.50	< 0.25
	03/20/03	na	—	—	< 0.26	< 0.52	—
	06/11/03	na	—	—	< 0.27	< 0.53	< 0.27
	09/10/03	na	—	—	< 0.27	< 0.54	< 0.27
	12/05/03	na	—	—	< 0.25	< 0.50	< 0.25
03/16/04	na	—	—	< 0.28	< 0.55	< 0.28	
7-3 dup dup	04/17/95	< 0.05	na	na	na	na	na
	09/04/96	< 0.05	< 0.05	< 0.05	< 0.25	< 0.75	< 0.25
	09/04/96	< 0.05	< 0.05	< 0.05	< 0.25	< 0.75	< 0.25
	12/11/96	< 0.05	< 0.05	< 0.05	< 0.25 J	< 0.75 J	< 0.25 J
	03/04/97	< 0.05	< 0.05	< 0.05	< 0.25 J	< 0.75 J	< 0.25 J
	06/27/97	< 0.05	< 0.05	< 0.05	< 0.25 J	< 0.75 J	< 0.25 J
	09/04/97	< 0.05	< 0.05	< 0.25 J	< 0.25 J	< 0.5 J	< 0.25 J
	12/04/97	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	03/06/98	< 0.25	< 0.25	< 0.10	< 0.10	< 0.25	< 0.10
	06/18/98	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	09/29/98	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	09/29/98	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	12/14/98	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	03/03/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	06/17/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	09/17/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	12/08/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	03/07/00	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	06/21/00	< 0.25	< 0.25	< 0.25	0.61 ^a	< 0.50	< 0.25
	09/12/00	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	09/12/00	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	12/07/00	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	03/15/01	< 0.05	< 0.05	< 0.25	< 0.25 J	< 0.50	< 0.25
	07/12/01	< 0.05	< 0.05	< 0.25	< 0.25	< 0.25	< 0.25
	09/24/01	< 0.05	—	—	< 0.25	—	—
	01/03/02	< 0.021	—	—	0.14 J	0.092 J	—
	03/28/02	na	—	—	< 0.25	< 0.50	< 0.25
06/14/02	na	—	—	< 0.25	< 0.50	< 0.25	

Table D-7

**Total Petroleum Hydrocarbons in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Gasoline	Petroleum Naphtha	Mineral Spirits	Diesel	Oil	Kerosene	
MW-3 (cont.)	09/17/02	na	—	—	< 0.25	< 0.50	—	
	12/17/02	na	—	—	< 0.27	< 0.53	< 0.27	
	03/20/03	na	—	—	< 0.25	< 0.50	—	
	06/11/03	na	—	—	< 0.25	< 0.50	< 0.25	
	09/11/03	na	—	—	< 0.28	< 0.56	< 0.28	
	12/04/03	na	—	—	< 0.25	< 0.50	< 0.25	
	03/15/04	na	—	—	< 0.25	< 0.50	< 0.25	
MW-4	09/04/96	8.49	< 0.05	< 0.05	0.78 ^a	0.76 ^b	< 1	
	12/10/96	4.24	< 0.05	< 0.05	0.87 ^a	< 0.75	< 1	
	03/04/97	< 0.05	< 0.05	< 0.05	< 0.25 J	< 0.75 J	< 0.25 J	
	06/27/97	3.13	< 0.50	< 0.50	0.7 ^a	< 0.75	< 0.80	
	09/04/97	3.78	< 0.05	< 0.25	1.01 ^a	< 0.50	< 0.25	
	dup	09/04/97	3.8	< 0.05	< 0.25	0.82 ^a	< 0.50	< 0.25
		12/04/97	6.08	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
		03/06/98	4.2	< 0.25	< 0.10	< 0.10	< 0.25	< 0.10
		06/18/98	4.5	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
		09/29/98	8.0	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
		12/14/98	7.5	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
		03/03/99	2.1	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
		06/17/99	1.3	< 1.25	< 0.25	< 0.25	< 0.50	< 0.25
		09/17/99	9.2	< 1.25	< 0.25	< 0.25	< 0.50	< 0.25
		12/08/99	8.4	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	dup	12/08/99	8.6	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
		03/07/00	4.6	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	dup	03/07/00	4.2	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
		06/21/00	6.0 ^d	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
		09/12/00	3.8 ^d	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
		12/07/00	8.4 ^d	< 0.05	< 0.25	0.73 ^a	< 0.50	< 0.25
		03/15/01	6.1 Y	< 0.05	< 0.25	1.5 L	< 0.50	< 0.25
		07/12/01	3.3 Z	< 0.05	< 0.25	1.6 L	< 0.25	< 0.25
		09/24/01	0.79 Z	—	—	1.5 Y	—	—
		01/02/02	1.9 Z	—	—	1.1 L	0.060 J	—
		03/28/02	na	—	—	0.95 L	< 0.50	1.8 Y
		06/11/02	na	—	—	1.3 Y	< 0.50	1.5 Y
		09/18/02	na	—	—	1.2 Y	0.12 J	—
		12/17/02	na	—	—	0.91 Y	< 0.50	< 0.25
		03/20/03	na	—	—	0.62 Y	< 0.51	—
		06/11/03	na	—	—	0.98 Y	< 0.55	1.3 Y
		09/11/03	na	—	—	0.78 L	< 0.50	< 0.25
	12/04/03	na	—	—	0.51 L	< 0.52	1.1 Y	
	03/15/04	na	—	—	0.64 L	< 0.50	1.0 Y	
MW-5	09/04/96	< 0.05	< 0.05	< 0.05	< 0.25	< 0.75	< 0.25	
	12/10/96	< 0.05	< 0.05	< 0.05	0.26 ^a	< 0.75	< 0.25	
	dup	12/10/96	< 0.05	< 0.05	< 0.05	< 0.25	< 0.75	< 0.25
		03/04/97	< 0.05	< 0.05	< 0.05	0.81 ^a	< 0.75	< 0.25
		06/27/97	< 0.05	< 0.05	< 0.05	< 0.25	< 0.75	< 0.25
		09/04/97	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
		12/04/97	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25

Table D-7

Total Petroleum Hydrocarbons in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	Gasoline	Petroleum Naphtha	Mineral Spirits	Diesel	Oil	Kerosene	
MW-5 (cont.) dup	03/06/98	< 0.25	< 0.25	< 0.10	< 0.10	< 0.25	< 0.10	
	06/18/98	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	09/29/98	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	12/15/98	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	03/02/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	06/16/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	09/16/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	09/16/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	12/08/99	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	03/07/00	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	06/21/00	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
	09/12/00	< 0.25	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25	
	12/07/00	0.87 ^d	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25	
	03/15/01	0.93 Z	< 0.05	< 0.25	< 0.25 J	< 0.50	< 0.25	
	07/12/01	0.83 Z	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25	
	09/24/01	0.61 Z	—	—	< 0.25	—	—	
	01/02/02	0.76 Z	—	—	0.02 J	< 0.030	—	
	03/27/02	na	—	—	< 0.25	< 0.50	< 0.25	
	06/11/02	na	—	—	< 0.25	< 0.50	< 0.25	
	09/18/02	na	—	—	< 0.25	< 0.50	—	
	12/16/02	na	—	—	< 0.26	< 0.52	< 0.26	
	03/17/03	na	—	—	< 0.26	< 0.51	< 0.26	
	06/10/03	na	—	—	< 0.27	< 0.53	< 0.27	
	09/11/03	na	—	—	< 0.27	< 0.54	< 0.27	
	12/05/03	na	—	—	< 0.27	< 0.53	< 0.27	
	03/16/04	na	—	—	< 0.25	< 0.50	< 0.25	
	MW-6 dup	09/04/96	0.074	< 0.05	< 0.05	0.38 ^a	< 0.75	< 1.00
		12/10/96	0.06 ^c	< 0.05	< 0.05	0.30 ^a	< 0.75	< 0.25
03/04/97		< 0.05	< 0.05	< 0.05	< 0.25	< 0.75	< 0.25	
06/27/97		< 0.05	< 0.05	< 0.05	0.25 ^a	< 0.75	< 0.25	
09/04/97		< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25	
12/04/97		< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25	
03/06/98		< 0.25	< 0.25	< 0.10	< 0.10	< 0.25	< 0.10	
06/18/98		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
09/29/98		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
12/15/98		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
03/02/99		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
03/02/99		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
06/16/99		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
09/16/99		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
12/08/99		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
03/07/00		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
06/21/00		< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25	
09/12/00		< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25	
12/07/00		< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25	
03/15/01		< 0.05	< 0.05	< 0.25	< 0.25 J	< 0.50	< 0.25	
07/12/01		< 0.05	< 0.05	< 0.25	< 0.25	< 0.25	< 0.25	
07/12/01	< 0.5	< 0.5	< 0.25	< 0.25	< 0.25	< 0.25		

Table D-7

**Total Petroleum Hydrocarbons in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Gasoline	Petroleum Naphtha	Mineral Spirits	Diesel	Oil	Kerosene
MW-8 (cont.)	03/07/00	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	06/21/00	< 0.25	< 0.25	< 0.25	< 0.25	< 0.50	< 0.25
	09/12/00	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	12/07/00	< 0.05	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	03/15/01	< 0.05	< 0.05	< 0.25	< 0.25 J	< 0.50	< 0.25
	07/12/01	0.024 J	< 0.05	< 0.25	< 0.25	< 0.25	< 0.25
	09/24/01	< 0.05	—	—	< 0.25	—	—
	01/03/02	0.034 JB	—	—	0.037 JB	0.035 J	—
	03/27/02	na	—	—	< 0.25	< 0.50	< 0.25
	06/14/02	na	—	—	< 0.25	< 0.50	< 0.25
	09/18/02	na	—	—	< 0.25	0.078 J	—
	12/16/02	na	—	—	< 0.26	< 0.52	< 0.26
	03/17/03	na	—	—	< 0.25	< 0.50	< 0.25
	06/11/03	na	—	—	< 0.27	< 0.53	< 0.27
	09/10/03	na	—	—	< 0.25	< 0.50	< 0.25
dup	09/10/03	na	—	—	< 0.25	< 0.50	< 0.25
	12/04/03	na	—	—	< 0.28	< 0.55	< 0.28
	03/16/04	na	—	—	< 0.28	< 0.55	< 0.28
MW-9 dup	07/12/01	0.034 J	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	07/12/01	0.026 J	< 0.05	< 0.25	< 0.25	< 0.50	< 0.25
	09/25/01	0.053 Z	—	—	< 0.25	—	—
	01/03/02	0.054 ZB	—	—	0.048 J	0.035 J	—
	03/27/02	na	—	—	< 0.25	< 0.50	< 0.25
	06/14/02	na	—	—	< 0.25	< 0.50	< 0.25
	09/17/02	na	—	—	< 0.25	< 0.50	—
	12/16/02	na	—	—	< 0.25	< 0.50	< 0.25
	03/17/03	na	—	—	< 0.25	< 0.50	< 0.25
	06/11/03	na	—	—	< 0.26	< 0.52	< 0.26
	09/10/03	na	—	—	< 0.25	< 0.50	< 0.25
	12/04/03	na	—	—	< 0.25	< 0.50	< 0.25
03/16/04	na	—	—	< 0.25	< 0.50	< 0.25	
MW-10 dup	07/12/01	< 0.05	< 0.05	< 0.25	< 0.25	< 0.25	< 0.25
	09/25/01	< 0.05	—	—	< 0.25	—	—
	01/03/02	< 0.021	—	—	0.048 JB	0.036 J	—
	01/03/02	< 0.021	—	—	0.044 JB	0.033 J	—
	03/28/02	na	—	—	< 0.25	< 0.50	< 0.25
	06/14/02	na	—	—	< 0.25	< 0.50	< 0.25
	09/17/02	na	—	—	< 0.25	< 0.50	—
	12/17/02	na	—	—	< 0.30	< 0.59	< 0.30
	03/20/03	na	—	—	< 0.26	< 0.51	—
	06/10/03	na	—	—	< 0.27	< 0.53	< 0.27
	09/10/03	na	—	—	< 0.25	< 0.50	< 0.25
	12/04/03	na	—	—	< 0.27	< 0.54	< 0.27
03/16/04	na	—	—	< 0.26	< 0.52	< 0.26	
MW-11	09/24/01	—	—	—	—	—	—
	01/02/02	0.73 Z	—	—	0.021 J	< 0.030	—
	03/27/02	na	—	—	< 0.25	< 0.50	< 0.25
	06/11/02	na	—	—	< 0.25	< 0.50	< 0.25

Table D-7

Total Petroleum Hydrocarbons in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	Gasoline	Petroleum Naphtha	Mineral Spirits	Diesel	Oil	Kerosene
MW-11 (cont.) dup	09/17/02	na	—	—	< 0.25	< 0.50	—
	12/16/02	na	—	—	< 0.27	< 0.53	< 0.27
	03/17/03	na	—	—	< 0.26	< 0.52	< 0.26
	03/17/03	na	—	—	< 0.25	< 0.50	< 0.25
	06/10/03	na	—	—	< 0.25	< 0.50	< 0.25
	09/10/03	na	—	—	< 0.27	< 0.53	< 0.27
	12/05/03	na	—	—	< 0.28	< 0.55	< 0.28
	03/16/04	na	—	—	< 0.25	< 0.50	< 0.25
MW-12 dup dup	09/24/01	na	na	na	na	na	na
	01/03/02	0.22 Z	—	—	0.22 J	0.068 J	—
	03/27/02	na	—	—	< 0.25	< 0.50	< 0.25
	03/27/02	na	—	—	< 0.25	< 0.50	< 0.25
	06/11/02	na	—	—	< 0.25	< 0.50	< 0.25
	06/11/02	na	—	—	< 0.25	< 0.50	< 0.25
	09/17/02	na	—	—	< 0.25	< 0.50	—
	12/16/02	na	—	—	< 0.27	< 0.53	< 0.27
	03/17/03	na	—	—	< 0.27	< 0.54	< 0.27
	06/10/03	na	—	—	< 0.25	< 0.50	< 0.25
	09/10/03	na	—	—	< 0.26	< 0.52	< 0.26
	12/05/03	na	—	—	< 0.26	< 0.52	< 0.26
	03/16/04	na	—	—	< 0.25	< 0.50	< 0.25
MW-13 dup	03/31/03	na	—	—	1.00	< 0.51	—
	05/14/03	na	—	—	0.98	< 0.50	< 0.25
	06/11/03	na	—	—	1.1 Z	< 0.51	4.3 Y
	06/11/03	na	—	—	1.1 Z	< 0.56	4.2 Y
	09/11/03	na	—	—	0.78 L	< 0.50	< 0.25
	12/04/03	na	—	—	0.92 L	< 0.54	4.7 Y
	03/15/04	na	—	—	0.7 Z	< 0.50	4.4 Y
MW-14	10/30/03	na	—	—	< 0.27	< 0.53	< 0.27
	12/04/03	na	—	—	< 0.26	< 0.52	< 0.26
	03/16/04	na	—	—	< 0.28	< 0.56	< 0.28
MW-15	10/30/03	na	—	—	< 0.28	< 0.56	< 0.28
	12/04/03	na	—	—	< 0.25	< 0.50	< 0.25
	03/16/04	na	—	—	< 0.26	< 0.52	< 0.26
MW-16	10/30/03	na	—	—	< 0.28	< 0.56	< 0.28
MW-16	12/05/03	na	—	—	< 0.28	< 0.55	< 0.28
	03/16/04	na	—	—	< 0.29	< 0.58	< 0.29
MW-17	10/30/03	na	—	—	< 0.27	< 0.53	< 0.27
	12/04/03	na	—	—	< 0.28	< 0.55	< 0.28
	03/15/04	na	—	—	< 0.25	< 0.50	< 0.25
MW-18 up	10/30/03	na	—	—	< 0.27	< 0.53	< 0.27
	12/04/03	na	—	—	< 0.26	< 0.52	< 0.26
	12/04/03	na	—	—	< 0.28	< 0.56	< 0.28
	03/16/04	na	—	—	< 0.27	< 0.53	< 0.27

Table D-7

**Total Petroleum Hydrocarbons in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Gasoline	Petroleum Naphtha	Mineral Spirits	Diesel	Oil	Kerosene
MW-19	02/20/04	na	—	—	< 0.25	< 0.50	< 0.25
	03/16/04	na	—	—	< 0.27	< 0.53	< 0.27
dup	03/16/04	na	—	—	< 0.25	< 0.50	< 0.25
INJ-1	06/11/02	na	—	—	0.73 Y	< 0.50	0.68 Y
INJ-2	06/11/02	na	—	—	< 0.25	< 0.50	< 0.25
INJ-3	06/11/02	na	—	—	0.46 Y	< 0.50	0.48 Y
	12/17/02	na	—	—	< 0.25	< 0.50	< 0.25
dup	12/17/02	na	—	—	< 0.28	< 0.56	< 0.28

NOTE: All results in mg/L.

Gasoline, Petroleum Naphtha, and Mineral Spirits analyzed by Method WTPH-G prior to September 1997;

Gasoline and Petroleum Naphtha analyzed by Method NWTPH-Gx in samples collected after June 1997.

Diesel, Oil, and Kerosene analyzed by Method WTPH-D (extended) prior to September 1997;

Mineral Spirits, Diesel, Oil, and Kerosene analyzed by Method NWTPH-Dx in samples collected after June 1997.

< = less than the method reporting limit shown.

dup = duplicate sample.

na = not analyzed.

— = not quantitated.

B = the analyte was also detected in an associated blank.

J = the associated numerical value is an estimated quantity based on data review.

L = the chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.

Y = the chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.

Z = the chromatographic fingerprint does not resemble a petroleum product.

^a Quantified as diesel/kerosene. The sample contained components that eluted in the diesel/kerosene range, but the chromatogram did not match the typical diesel/kerosene fingerprint.

^b Quantified as oil. The sample contained components that eluted in the oil range, but the chromatogram did not match the typical oil fingerprint.

^c The gasoline-range response is due to toluene.

^d Quantified as gasoline. The sample contained components that eluted in the gasoline range, but the chromatogram did not match the typical gasoline fingerprint.

Table D-8

**Glycols and Alcohols in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	Modified EPA Method 8015B		EPA Method 5031/8015B		
		Ethylene Glycol	Propylene Glycol	Ethanol	Isopropanol	1-Butanol
MW-1	12/10/1996	< 10	< 10	< 0.05	0.147	< 0.05
MW-2	12/10/1996	< 10	< 10	< 0.05	< 0.05	< 0.05
MW-3	12/11/1996	< 10	< 10	< 0.05	< 0.05	< 0.05
MW-4	12/10/1996	< 10	< 10	< 0.05	< 0.05	< 0.05
MW-5	12/10/1996	< 10	< 10	< 0.05	< 0.05	< 0.05
dup	12/10/1996	< 10	< 10	< 0.05	< 0.05	< 0.05
MW-6	12/10/1996	< 10	< 10	< 0.05	< 0.05	< 0.05

NOTE: All results in mg/L
 < = less than the method reporting limit shown.
 dup = duplicate sample.

Table D-9

General Chemistry Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	EPA Method 300.0			Hach Method 8131	Hach Method AL AP MG-L	EPA Method 415.1	EPA Method 6010A		Hach Method 8008	Hach Method 8146	EPA Method 160.1
		Chloride	Nitrate as Nitrogen	Sulfate	Sulfide	Total Alkalinity	Total Organic Carbon	Manganese	Total Iron	Total Iron	Ferrous Iron	Total Dissolved Solids
MW-1	09/04/96	130	—	88.0	—	—	—	2.1	29.6	—	—	990
	12/15/98	68.5	< 0.2	4.3	0.070	500	47.0	—	—	23.4	24.6	—
	03/02/99	64.5	0.2	5.8	0.266	540	37.0	—	—	29.4	18.2	—
	06/17/99	49	0.3	6.7	0.110	460	40.5	—	—	24.0	20.8	—
	09/16/99	59.8	< 0.2	7.2	0.249	400	42.1	—	—	11.0	18.8	—
	09/18/02	—	—	—	—	—	37	—	—	—	—	—
MW-2 dup	09/04/96	18.0	—	0.3	—	—	—	3.21	112	—	—	576
	12/15/98	13.6	0.3	5.3	0.017	260	26.4	—	—	23.9	30.4	—
	03/02/99	14.3	0.9	13.1	0.037	360	22.8	—	—	46.4	23.0	—
	06/16/99	13	1.0	7.5	0.054	420	24.2	—	—	86.5	66.7	—
	06/16/99	12.2	1.3	12.8	—	—	25.1	—	—	—	—	—
	09/16/99	14.6	< 0.2	< 0.2	0.037	400	27.2	—	—	94.6	61.9	—
09/18/02	—	—	—	—	—	33	—	—	—	—	—	
MW-3 dup	09/04/96	26.0	—	0.9	—	—	—	3.17	36.3	—	—	952
	09/04/96	26.0	—	1.1	—	—	—	3.13	38.5	—	—	976
	12/14/98	29.8	< 0.2	< 0.2	< 0.001	660	44.5	—	—	34.4	34.2	—
	03/03/99	25.6	< 0.2	0.3	0.013	640	52.8	—	—	33.0	31.7	—
	06/17/99	17.1	< 0.2	< 0.2	0.013	640	57.9	—	—	59.7	38.0	—
	09/17/99	14.5	< 0.2	< 0.2	0.047	520	62.4	—	—	100.1	47.7	—
MW-4	09/04/96	110	—	37.0	—	—	—	9.89	83.9	—	—	796
	12/14/98	89.7	< 0.2	15.6	0.026	840	23.4	—	—	59.8	59.1	—
	03/03/99	45.0	< 0.2	183	0.880	900	12.8	—	—	12.9	7.5	—
	06/17/99	60.9	0.3	61.7	0.159	840	18.2	—	—	6.99	4.75	—
	09/17/99	77.3	< 0.2	2.0	0.071	870	18.4	—	—	24.3	13.4	—
	09/18/02	—	—	—	—	—	19	—	—	—	—	—
MW-5	09/04/96	17.0	—	32	—	—	—	0.34	0.107	—	—	332
	12/15/98	17.5	< 0.2	17.3	0	200	7.8	—	—	0.090	0.024	—

Table D-9

**General Chemistry Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	EPA Method 300.0			Hach Method 8131	Hach Method AL AP MG-L	EPA Method 415.1	EPA Method 6010A		Hach Method 8008	Hach Method 8146	EPA Method 160.1
		Chloride	Nitrate as Nitrogen	Sulfate	Sulfide	Total Alkalinity	Total Organic Carbon	Manganese	Total Iron	Total Iron	Ferrous Iron	Total Dissolved Solids
MW-5 (continued) dup	03/02/99	6.9	2.4	22.0	0.002	145	4.8	—	—	0.137	0.060	—
	06/16/99	6.2	2.5	20.5	0.002	180	6.0	—	—	0.125	0.042	—
	09/16/99	6.8	1.5	20.7	0.001	160	5.9	—	—	0.052	0.008	—
	09/16/99	6.2	1.5	20.4	—	—	5.9	—	—	—	—	—
	09/18/02	—	—	—	—	—	7.2	—	—	—	—	—
MW-6 dup	09/04/96	340	—	0.6	—	—	—	9.28	222	—	—	1,260
	12/15/98	199	< 0.2	11.7	0.014	460	22.6	—	—	114	125	—
	03/02/99	213	0.6	19.8	0.015	500	15.8	—	—	170	63	—
	03/02/99	208	0.6	46.6	—	—	15.9	—	—	—	—	—
	06/16/99	232	0.3	11.6	0.009	520	21	—	—	192	120	—
	09/16/99	130	< 0.5	27.3	0.047	480	18.5	—	—	169	95	—
	09/18/02	—	—	—	—	—	20	—	—	—	—	—
MW-7	12/14/98	5.4	< 0.2	1.6	0.003	260	9.4	—	—	3.36	3.17	—
	03/03/99	5.7	1.3	12.7	0.010	180	6.5	—	—	1.79	1.72	—
	06/17/99	6.8	2.3	25.1	0.005	200	9.2	—	—	2.21	1.86	—
	09/17/99	8.1	0.3	21.4	0.004	240	10.6	—	—	3.58	2.98	—
MW-8 dup	12/14/98	9.2	< 0.2	20.4	—	260	10.0	—	—	1.13	0.98	—
	12/14/98	9.3	< 0.2	20.4	—	—	10.1	—	—	—	—	—
	03/02/99	12.7	0.3	29.7	0.023	260	8.9	—	—	2.03	0.77	—
	06/16/99	12.8	< 0.2	29.1	0.009	240	9.6	—	—	0.70	0.50	—
	09/16/99	10.5	< 0.2	21.1	0.007	260	10.5	—	—	1.02	0.45	—
	09/18/02	—	—	—	—	—	11.4	—	—	—	—	—
<p>NOTE: All results in mg/L. — = not analyzed. < = less than the method reporting limit shown. dup = duplicate sample.</p>												

Table D-10

**Dissolved Organic Gases in Groundwater from Wells
Univar USA Inc. Facility
Kent, Washington**

Sample Location	Date Collected	Modified RSK Method 175		
		Methane	Ethene	Ethane
MW-1	12/15/98	18	0.310	0.110
	03/02/99	15	0.270	0.075
	06/17/99	8.4	0.170	0.044
	09/17/99	14	0.230	0.083
MW-2 dup	12/15/98	13	< 0.0005	0.0011
	03/02/99	8.6	< 0.0005	0.00088
	06/16/99	13	< 0.0005	0.001
	06/16/99	13	< 0.0005	0.00097
	09/16/99	17	< 0.0005	0.0012
MW-3	12/14/98	10	0.00095	0.0069
	03/03/99	5.7	0.0012	0.0093
	06/17/99	3.8	0.00093	0.0032
	09/17/99	4.3	0.00088	0.0068
MW-4	12/14/98	16	1.5	0.130
	03/03/99	10	0.730	0.110
	06/17/99	12	1.3	0.110
	09/17/99	14	1.0	0.150
MW-5 dup	12/15/98	< 0.0005	< 0.0005	< 0.0005
	03/02/99	0.066	< 0.0005	< 0.0005
	06/16/99	0.0078	< 0.0005	< 0.0005
	09/16/99	0.028	< 0.0005	< 0.0005
	09/16/99	0.026	< 0.0005	< 0.0005
	09/16/99	0.026	< 0.0005	< 0.0005
MW-6 dup	12/15/98	14	0.031	0.13
	03/02/99	9.8	0.015	0.094
	03/02/99	12	0.016	0.12
	06/16/99	11	0.01	0.10
	09/16/99	13	0.0082	0.098
MW-7	12/14/98	0.0019	< 0.0005	< 0.0005
	03/03/99	0.034	< 0.0005	< 0.0005
	06/17/99	0.0079	< 0.0005	< 0.0005
	09/17/99	0.015	< 0.0005	< 0.0005
MW-8 dup	12/14/98	0.023	< 0.0005	< 0.0005
	12/14/98	0.025	< 0.0005	< 0.0005
	03/02/99	0.012	< 0.0005	< 0.0005
	06/16/99	0.0052	< 0.0005	< 0.0005
	09/16/99	0.018	< 0.0005	< 0.0005

NOTE: All results in mg/L.
dup = duplicate sample.
< = less than the method reporting limit shown.

Table D-11

**Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	pH	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-1	04/17/95	6.37	2,310	11	NM	NM	NM
	09/04/96	6.49	1,620	18.5	227	1.20	NM
	12/10/96	6.37	1,653	9.8	427	1.18	NM
	03/04/97	6.65	1,359	11	37	1.70	NM
	06/27/97	6.62	1,195	15	> 1,000	1.00	NM
	09/04/97	6.78	837	18	40	1.71	NM
	12/04/97	6.23	1,076	12	16	8.9	NM
	03/06/98	6.83	1,284	10	16	2.15	NM
	06/18/98	6.85	1,045	15.5	61	2.60	NM
	09/29/98	6.58	851	18.5	46	1.27	NM
	12/14/98	6.50	973	13.1	16	1.14	-147
	03/03/99	6.70	849	10	55	3.02	-148
	06/17/99	6.51	790	14	6.7	1.30	-176
	09/16/99	6.60	905	17	14	0.1	-189
	12/08/99	7.12	408	12.9	10	0.3	-158
	03/07/00	7.51	599	10	6	0.2	-126
	06/21/00	7.10	505	16	4.6	1.2	7
	09/12/00	6.80	790	14.5	NM	2.6	-69
	12/07/00	7.04	830	12	6.9	1.1	-60
	03/15/01	7.06	999	10	4.9	2.0	-48
	07/12/01	7.03	925	15.6	7.8	2.65	-141
	09/24/01	6.54	NM	20.2	4.3	1.08	NM
	01/02/02	7.19	1,150	11.8	NM	NM	NM
	03/28/02	7.26	351	10.2	NM	0.20	NM
	06/11/02	7.34	613	15.2	NM	0.22	NM
	09/18/02	6.93	771	18.6	NM	0.04	-200
	12/17/02	7.01	601	12.6	3.5	0.19	NM
	03/20/03	7.19	517	10.9	5.8	0.13	-111
	05/14/03	7.00	493	12.9	NM	0.74	-75
	06/11/03	7.02	405	15	8.0	0.23	NM
09/11/03	7.03	474	18.7	4.0	0.21	NM	
12/04/03	7.00	451	13.7	4.2	0.23	-51	
03/16/04	6.71	391	11.0	4.6	0.32	-63	
MW-2	04/17/95	6.30	1,000	13	NM	NM	NM
	09/04/96	6.11	964	14.8	8.5	1.00	NM
	12/10/96	6.27	704	13.1	1,000	0.92	NM
	03/04/97	6.20	754	13	9.4	1.77	NM
	06/27/97	6.54	667	14	322	3.00	NM
	09/04/97	6.41	638	15	332	1.17	NM

Table D-11

**Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	pH	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-2 (continued)	12/04/97	5.25	612	14	74	1.80	NM
	03/06/98	6.48	826	12	67	1.12	NM
	06/18/98	6.60	899	14	334	3.5	NM
	09/29/98	6.35	705	17	17	16.6 ^a	NM
	12/14/98	6.20	632	15.1	NM	1.14	-84
	03/02/99	6.29	560	12	59	1.3	-91.9
	06/16/99	6.02	663	13	NM	0.90	-76
	09/16/99	6.39	734	13	12	< 0.1	-475
	12/08/99	6.74	421	14.8	16	1.30	-121
	03/07/00	6.40	491	12	19	0.4	-70
	06/21/00	6.55	320	15	6.1	1.51	8
	09/12/00	6.10	667	13	11	3.9	-57
	12/07/00	6.21	574	13	6	1.9	-18
	03/15/01	6.60	556	12	39	0.6	-49
	07/12/01	6.53	652	15.1	77	2.54	-116
	09/24/01	6.69	NM	19.5	5.0	1.10	NM
	01/03/02	5.81	531	13.7	12	0.00	NM
	03/28/02	6.28	229	12.6	6.2	0.63	NM
	06/11/02	6.72	526	14.2	7.1	0.43	NM
	09/18/02	6.63	597	17.9	NM	0.08	-11
	12/16/02	6.04	480	15.2	5.1	0.34	NM
	03/20/03	6.63	413	12.5	29	0.12	-57
	06/11/03	6.59	306	13.9	10	0.31	NM
09/10/03	6.33	416	15.9	4.2	0.34	NM	
12/05/03	6.58	293	14.3	5.3	0.31	-20	
03/16/04	6.54	306	12.8	25.4	0.30	-23	
MW-3	04/17/95	6.40	1,580	12	NM	NM	NM
	09/04/96	6.33	1,357	14.9	5.1	1.6	NM
	12/11/96	6.48	979	12.4	15	1	NM
	03/04/97	6.44	1,152	13	9.4	1.69	NM
	06/27/97	6.64	937	13	423	1	NM
	09/04/97	6.47	765	15	132	1.81	NM
	12/04/97	6.20	844	13.5	7.5	1.29	NM
	03/06/98	6.53	1,255	12	3.4	1.9	NM
	06/18/98	6.55	1,225	13	5.3	0.9	NM
	09/29/98	6.41	947	14	7.91	1.22	NM
	12/14/98	6.25	1,054	13.5	0.9	1.14	-79
	03/03/99	6.45	765	12	4.7	NM	-105
	06/16/99	6.31	837	12	NM	1.00	-120.0

Table D-11

Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	pH	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-3 (continued)	09/17/99	6.48	964	14	4.2	0.1	-129
	12/08/99	6.80	137	13.5	6.7	1.5	-63
	03/07/00	6.62	766	12	8.0	0.8	-75
	06/21/00	6.92	452	14	7.5	1.25	-81
	09/12/00	6.70	836	10.7	NM	1.4	-36
	12/07/00	6.09	732	12	2.7	1.8	-62
	03/15/01	6.80	809	11	7.5	0.9	NM
	07/12/01	6.63	746	13.1	8.2	1.36	-42
	09/24/01	6.49	NM	16.9	12	0.16	NM
	01/03/02	6.52	955	13.1	2.0	0.00	NM
	03/28/02	6.74	330	12.3	5.8	0.19	NM
	06/11/02	6.89	786	12.8	14.3	0.4	NM
	09/17/02	6.80	773	15.2	NM	0.10	-135
	12/17/02	6.44	821	13.0	7.5	0.40	NM
	03/20/03	6.85	521	12.1	3.3	0.12	-73
	06/11/03	7.17	411	13.8	3.6	0.24	NM
	09/11/03	6.72	395	16.1	2.5	0.24	NM
	12/04/03	6.69	388	13.2	2.2	0.68	94
03/15/04	6.61	425	12.3	2.1	0.32	-81	
MW-4	09/04/96	6.29	1,452	17.9	99	1.5	NM
	12/10/96	6.29	1,690	11.9	427	0.83	NM
	03/04/97	6.75	1,868	10	2.6	2.82	NM
	06/27/97	6.78	1,431	11	55	1	NM
	09/04/97	6.82	1,120	19	51	1.4	NM
	12/04/97	6.33	1,578	13	6.5	1.8	NM
	03/06/98	6.88	1,847	10	3.6	1.92	NM
	06/18/98	6.79	1,862	15	4.5	2.2	NM
	09/29/98	6.63	1,288	18	11	1.26	NM
	12/14/98	6.18	1,560	13.9	2.6	1.16	-150
	03/03/99	6.69	1,288	9	9.6	NM	155
	06/17/99	6.69	NM	13	1.9	0.1	-186
	09/17/99	6.57	1,623	17	2.5	1.9	-178
	12/08/99	6.94	394	13.6	4.3	0.5	-109
	03/07/00	6.92	1,344	12	5.8	1.1	-68
	06/21/00	6.90	992	15	2.4	1.29	-67
	09/12/00	6.58	1,450	14	1.6	2.2	-86
	12/07/00	6.60	1,210	13	3.6	2.4	15
03/15/01	6.60	1,361	10	5.2	1.5	-24	
07/12/01	6.70	1,594	15.2	6.2	2.73	-108	

Table D-11

**Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	pH	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-4 (continued)	09/25/01	6.17	NM	17.7	48	1.04	NM
	01/02/02	6.73	1,840	11.9	74	NM	NM
	03/28/02	6.95	655	10.5	25	0.39	NM
	06/11/02	6.97	817	13.3	NM	0.17	NM
	09/18/02	6.81	1,452	18.1	NM	0.04	-106
	12/17/02	6.54	1,011	12.4	2.7	0.34	NM
	03/20/03	6.74	877	10.8	3.6	0.07	-78
	05/14/03	6.70	864	12.2	NM	0.74	-45
	06/11/03	6.89	776	13.9	4.0	0.21	NM
	09/11/03	6.60	756	17.1	3.7	0.25	NM
	12/04/03	6.68	437	13.1	4.2	0.22	-52
	03/15/04	6.60	518	10.6	1.9	0.46	-58
MW-5	09/04/96	6.23	422	15.9	22	2.1	NM
	12/10/96	6.15	463	12.7	984	1.53	NM
	03/04/97	6.22	506	13	8.9	2.48	NM
	06/27/97	6.46	329	15	245	2	NM
	09/04/97	6.79	285	16	51	1.39	NM
	12/04/97	5.90	367	13	3.6	1.35	NM
	03/06/98	6.38	425	12	4.9	1.97	NM
	06/18/98	6.36	439	14	8.5	2.2	NM
	09/29/98	6.29	326	17	8.7	1.54	NM
	12/15/98	5.94	394	14.8	3.6	1.72	111
	03/02/99	5.87	301	12	8.9	1.47	237
	06/16/99	5.99	375	12	< 10	0.2	161
	09/16/99	6.19	449	14	2.9	0.4	-159
	12/08/99	6.59	238	14.9	5.1	0.2	72
	03/07/00	6.34	278	12	7.9	1.1	67
	06/21/00	6.45	185	14	1.6	1.68	-8
	09/12/00	7.24	349	12.4	1.9	1.2	-18
	12/07/00	6.15	314	13	14	2.3	-45
	03/15/01	6.55	371	11	9.1	3.5	-61
	07/09/01	6.32	352	14.2	4.6	1.01	111
	09/24/01	6.16	256	18.1	64	6.17	NM
	01/02/02	6.09	468	15.3	NM	NM	NM
03/27/02	6.51	5,000	9.7	5.10	3.84	NM	
06/11/02	6.29	439	13.9	2.38	1.05	NM	
09/18/02	6.28	429	15.6	NM	0.25	-4	
12/16/02	6.18	341	14.2	2.7	0.48	NM	
03/17/03	6.29	350	13.4	3.4	0.36	79	

Table D-11

**Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	pH	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-5 (continued)	05/14/03	6.42	286	12.3	NM	0.69	34
	06/10/03	6.35	218	13.8	12	0.3	NM
	09/11/03	6.32	267	16.5	1.4	0.37	NM
	12/05/03	6.40	219	13.8	7.1	0.34	281
	03/16/04	6.40	219	12.7	7.1	0.77	73
MW-6	09/04/96	6.30	1,930	14.5	23	4.8	NM
	12/10/96	6.17	1,909	12	> 1,000	1.02	NM
	03/04/97	6.32	1,683	11	6.1	3.44	NM
	06/27/97	6.41	1,469	14	73	1	NM
	09/04/97	6.30	1,157	15	98	1.15	NM
	12/04/97	5.92	1,286	14	5.7	1.05	NM
	03/06/98	6.33	1,620	11	5.7	1.1	NM
	06/18/98	6.33	1,804	14	7.0	1.8	NM
	09/29/98	6.25	1,440	17.5	7.9	1.91	NM
	12/15/98	5.93	1,390	14.4	NM	1.26	-89
	03/02/99	6.03	1,107	11	7.7	1.38	-85
	06/16/99	6.15	1,441	12	< 10	< 0.1	-117
	09/16/99	6.27	1,621	13	9.1	0.6	-476
	12/08/99	6.63	315	13.7	3.7	0.7	-91
	03/07/00	6.36	1,147	11	5.5	0.6	-54
	06/21/00	6.66	810	14	1.0	1.75	-37
	09/12/00	6.50	1,378	12	NM	2.3	-43
	12/07/00	5.79	1,270	14	3.6	1.6	-15
	03/15/01	6.35	1,079	11	16	0.4	-31
	07/12/01	6.39	1,210	14.1	7.6	1.07	-44
	09/25/01	6.63	NM	16.4	19	1.02	NM
	01/03/02	6.19	1,120	12.9	1.5	0	NM
	03/27/02	6.32	NM	9	NM	0.45	NM
	06/11/02	6.78	891	13.5	NM	0.34	NM
	09/18/02	6.49	1,312	16.7	NM	0.16	-157
	12/16/02	6.25	1,179	14.2	8.8	0.24	NM
	03/20/03	6.53	721	12.1	5.3	0.17	-70
06/11/03	6.74	387	14.1	21	0.33	NM	
09/10/03	6.44	601	16.9	4.2	0.31	NM	
12/04/03	6.60	393	14.3	6.2	0.26	-12	
03/16/04	6.75	286	12.9	6.9	0.25	-37	
MW-7	12/22/97	6.56	550	11	139	2.15	NM
	03/06/98	6.63	536	12	13.4	1.53	NM

Table D-11

**Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	pH	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-7 (continued)	06/18/98	6.36	543	14	13	2.4	NM
	09/29/98	6.38	438	17	21	1.41	NM
	12/14/98	5.98	409	15.2	3.2	1.23	68
	03/03/99	7.07	288	12	5.5	NM	-8.4
	06/17/99	6.07	462	13	NM	0.8	1
	09/17/99	6.13	506	16	11	< 0.1	-72
	12/08/99	6.71	342	15.3	7.6	1.3	-2
	03/07/00	6.44	362	12	6.7	0.8	-11
	06/21/00	6.57	241	14	0.7	2.04	24
	09/12/00	6.00	493	13	13	1.4	5
	12/07/00	6.46	505	14	31	2.6	-39
	03/15/01	6.58	425	12	20	1.5	NM
	07/12/01	6.45	493	14.1	11	1.87	54
	09/25/01	6.48	NM	15.6	2.8	1.12	NM
	01/03/02	6.17	628	13.9	4.1	0	NM
	03/28/02	6.37	184	12.3	4.7	2.61	NM
	06/11/02	6.66	383	13.2	5.7	0.70	NM
	09/17/02	6.56	427	16.0	NM	0.15	4
	12/17/02	6.46	351	13.2	2.4	0.32	NM
	03/17/03	6.49	436	13.3	20	0.13	27
06/10/03	6.88	282	13.8	52	0.18	NM	
09/10/03	6.27	257	16.0	3.0	0.49	NM	
12/04/03	6.68	239	13.4	4.7	0.29	159	
03/16/04	6.62	268	13.9	7.3	0.84	34	
MW-8	12/22/97	6.37	495	12	67	4.06	NM
	03/06/98	6.49	758	12	70	2.72	NM
	06/18/98	6.66	662	13	243	2.8	NM
	09/29/98	6.33	428	14.5	48	1.7	NM
	12/14/98	6.11	413	13.9	14	1.83	72
	03/02/99	6.10	442	12	91	2.11	117
	06/16/99	5.95	534	11	< 10	0.1	132
	09/16/99	6.22	588	13	11	1.8	-205
	12/08/99	6.50	140	13.9	133	2.4	55
	03/07/00	6.90	455	12	25	1.5	38
	06/21/00	6.30	313	14	1.2	1.73	37
	09/12/00	6.52	447	11.6	2.6	3.5	52
	12/07/00	6.99	387	14	6.5	1.8	-10
	03/15/01	6.45	433	11	8.3	2.7	-50
07/12/01	6.30	427	13.8	5	2.03	53.1	

Table D-11

Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	pH	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-8 (continued)	09/25/01	6.48	NM	14.4	22	1.02	NM
	01/03/02	5.64	468	13.4	2.8	0	NM
	03/27/02	6.31	NM	8.9	5.1	1.95	NM
	06/11/02	6.41	576	12.9	6.4	0.40	NM
	09/18/02	6.32	415	15.0	NM	0.15	-88
	12/16/02	6.23	294	13.6	12	0.35	NM
	03/17/03	6.31	279	12.4	2.4	0.28	87
	05/14/03	6.36	338	13.6	NM	0.83	35
	06/11/03	6.54	249	13.4	3.5	0.54	NM
	09/10/03	6.12	249	15.5	1.3	0.70	NM
	12/04/03	6.62	165	13.5	4.7	0.17	153
	03/16/04	6.48	292	12.6	6.1	0.72	47
MW-9	07/09/01	6.24	812	13.9	8.2	2.28	-63
	09/25/01	6.33	NM	14.7	52	1.06	NM
	01/03/02	6.13	763	13.4	1.4	0	NM
	03/27/02	6.37	NM	8.2	NM	0.59	NM
	06/11/02	6.61	700	12.8	NM	0.61	NM
	09/17/02	6.41	728	14.7	NM	0.13	-131
	12/16/02	6.24	614	13.7	28	0.26	NM
	03/17/03	6.52	460	12.7	19	0.08	-47
	06/11/03	6.28	395	13.3	65	0.41	NM
	09/10/03	6.12	494	15.1	22	0.33	NM
	12/04/03	6.49	351	14.5	16	0.18	21
	03/16/04	6.46	269	12.4	5.1	0.44	46
MW-10	07/09/01	6.47	463	14.2	14	2.11	72
	09/25/01	6.53	NM	15.6	184	0.98	NM
	01/03/02	6.33	460	13.6	3.2	0	NM
	03/28/02	6.57	159	12	NM	0.32	NM
	06/11/02	6.90	397	13.1	NM	0.22	NM
	09/17/02	6.76	390	15.1	NM	0.10	-97
	12/17/02	6.65	300	13.5	20	0.21	NM
	03/20/02	6.82	336	12.9	3.2	0.10	-62
	06/10/03	6.97	222	14.1	15.9	0.18	NM
	09/10/03	6.09	267	16.3	9.0	0.49	NM
	12/04/03	6.61	179	13.4	7.6	0.37	44
	03/16/04	6.51	245	11.7	3.4	0.56	-24
MW-11	07/09/01	6.69	406	12.8	134	0.89	22
	09/24/01	6.28	418	17.5	112.0	6.13	NM

Table D-11

**Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington**

Sample Location	Date Collected	pH	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-11 (continued)	01/02/02	6.24	431	14.8	NM	NM	NM
	03/27/02	6.58	5,000	9.1	12	4.42	NM
	06/11/02	6.35	444	14.2	6.4	2.74	NM
	09/17/02	6.22	530	16.3	NM	0.14	83
	12/16/02	6.00	593	14.0	1.8	0.30	NM
	03/17/03	6.15	539	13.4	4.6	0.16	26
	06/10/03	6.20	321	13.7	8.7	0.35	NM
	09/10/03	6.08	411	15.4	5.0	0.31	NM
	12/05/03	6.25	337	13.5	5.1	0.29	260
	03/16/04	6.36	269	12.7	1.7	0.50	73
MW-12	07/09/01	6.67	590	14.5	95	1.4	37
	09/24/01	6.41	NM	19.2	79	1.17	NM
	01/03/02	5.37	1,480	16.2	7.9	NM	NM
	03/27/02	5.59	NM	12.3	16	0.43	NM
	06/11/02	6.33	865	14.6	5.4	0.31	NM
	09/17/02	6.29	737	16.8	NM	0.18	-147
	12/16/02	6.14	475	14.7	2.1	0.12	NM
	03/17/03	6.13	620	14.1	47	0.21	1
	05/14/03	6.21	383	13.7	NM	0.66	31
	06/10/03	6.30	367	13.8	67	0.45	NM
	09/10/03	6.06	419	15.9	28	0.35	NM
	12/05/03	6.18	410	13.4	9.2	0.33	40
	03/16/04	6.40	317	12.5	3.4	0.30	60
MW-13	03/31/03	6.41	506	14.3	76	0.22	-37
	05/14/03	6.29	491	13.8	NM	0.84	-53
	06/11/03	6.63	425	14.7	16	0.25	NM
	09/11/03	6.60	470	16.8	23	0.58	NM
	12/04/03	6.86	379	13.1	5.7	0.28	-11
	03/15/04	6.58	458	12.8	9.7	0.31	-44
	06/10/04	6.55	383	14.4	NM	0.62	-21
MW-14	12/04/03	6.80	207	13.5	8.2	0.22	44
	03/16/04	6.52	294	13.6	1.6	0.57	-9
	06/10/04	6.68	274	14.4	NM	0.55	-3
MW-15	12/04/03	7.00	259	13.2	9.1	0.18	48
	03/16/04	6.92	290	13.4	2.8	0.39	-25
	06/10/04	6.66	297	14.1	NM	0.56	-17
MW-16	12/05/03	6.35	385	12.7	6.1	0.59	19

Table D-11

Field Parameters in Groundwater from Wells
Univar USA Inc. Facility, Kent, Washington

Sample Location	Date Collected	pH	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mv)
MW-16 (continued)	03/16/04	6.42	370	12.7	7.2	0.39	-14
	06/10/04	6.36	366	14.4	NM	0.54	-5
MW-17	12/04/03	6.59	384	12	5.7	0.51	93
	03/15/04	6.32	619	12.3	7.1	0.78	-24
	06/10/04	6.41	489	13.1	NM	0.68	-12
MW-18	12/04/03	6.54	308	13	8.1	0.33	21
	03/16/04	6.46	363	12.4	19.4	0.36	-14
	06/10/04	6.41	415	13.8	NM	0.66	-3
MW-19	03/16/04	6.49	403	13.2	12.0	0.38	-23
	06/10/04	6.31	379	14.5	NM	0.89	-15
Inj-1	07/09/01	6.39	703	14.2	48	1.55	-18
Inj-1	06/11/02	6.63	1,541	14.1	19	0.28	NM
Inj-2	07/09/01	6.45	384	15.1	62	1.2	17
	06/11/02	6.49	950	15.6	14	0.23	NM
	06/10/03	6.38	381	14.5	10	0.25	NM
Inj-3	07/09/01	6.37	407	14.2	30	1.51	17
	06/11/02	6.59	1,971	15.1	14	0.11	NM
	12/17/02	6.27	417	13.4	12	0.11	NM
	06/10/03	6.50	634	14.2	24	0.21	NM
NOTE: NM = not measured							
^a Likely meter malfunction							

APPENDIX E
CLEANUP LEVEL DEVELOPMENT BACKUP

Table E-1

**Toxicological, Physical, and Chemical Properties for Selected VOCs
Univar USA Inc. Facility, Kent, Washington**

CAS Number	Constituent	Frequency of Detected		RFDo Value (mg/kg-day)	RFDo Reference	CPFo Value (kg-day/mg)	CPFo (kg-day/mg)	RFDi Value (mg/kg-day)	RFDi Reference	CPFi Value (kg-day/mg)	CPFi Reference (kg-day/mg)	VP mm Hg (68°F), unless specified	Koc (unitless)	Hcc (unitless)	S (mg/L)
		Groundwater	Soil												
75-34-3	1,1-DCA	x	x	0.1	(H97; NI 12/97)	-	-	0.1	(H97; NI 12/97)	-	-	182 mm Hg	5.30E+01	2.30E-01	5.06E+03
75-35-4	1,1-DCE	x	x	0.05	(I8/02)	0.6	(H97; NI8/02)	0.0571429	(I8/02)	0.175	(H97; NI8/02)	500 mm Hg	6.50E+01	1.07E+00	2.25E+03
107-06-2	1,2-DCA	x	x	-	(H97; NI 12/97)	0.091	(I7/93;10/95)	-	(H97; NI 12/97)	0.091	(H97;I12/00)	64 mm Hg	3.80E+01	4.01E-02	8.52E+03
108-67-8	1,3,5-TMB	x	x	0.05 ^a	(EPA-R9PRG/02)	-	-	0.0017 ^a	(EPA-R9PRG/02)	-	-	2 mm Hg	8.20E+02	3.20E-01	4.80E+01
95-63-6	1,2,4-TMB	x	x	0.05 ^a	(EPA-R9PRG/02)	-	-	0.0017 ^a	(EPA-R9PRG/02)	-	-	1 mm Hg (56°F)	3.70E+03	2.30E-01	5.70E+01
78-93-3	2-butanone (MEK)		x	0.6	(I9/03)	-	(H97; NI 9/03)	1.43	(I9/03)	-	(H97; NI 9/03)	78 mm Hg	4.50E+00	1.10E-03	2.70E+03
99-87-6	4-isopropyltoluene	x	x	-	-	-	-	-	-	-	-	-	-	-	-
67-64-1	Acetone	x	x	0.9	(I7/03)	-	(H97; NI 7/03)	-	(H97; NI 7/03)	-	(H97; NI 7/03)	180 mm Hg	5.75E-01	1.59E-03	1.00E+06
71-43-2	Benzene	x	x	0.004	I4/03	0.055	(RX0601/0601)	0.0085714	(I4/03)	0.0273	(H97; I 12/00)	75 mm Hg	6.20E+01	2.28E-01	1.75E+03
76-13-1	CFC-113	x		30	(I2/96; 12/97)	-	(H97; NI 11/00)	8.5714286	(H97; NI12/97)	-	(H97; NI 11/00)	285 mm Hg	1.60E+02	2.10E+01	1.10E+03
75-00-3	Chloroethane	x	x	0.4	(H97; NI 12/97)	0.0029	(H97; NI 11/00)	2.8571429	(I1/95; 12/97)	0.0029	(H97; NI 10/95)	1000 mm Hg	1.50E+01	4.50E-01	5.70E+03
67-66-3	Chloroform	x		0.01	(I9/92; 12/97)	0.0061	(I9/92; 12/97)	-	(H97; NI 12/97)	0.08	(H97; I 12/00)	160 mm Hg	5.30E+01	1.50E-01	7.92E+03
156-59-2	cis-1,2-DCE	x		0.01	(H97; NI 12/97)	-	(H97; NI 11/00)	-	(H97a; NI 12/97)	-	(H97; NI 10/95)	180-265 mm Hg ^a	3.55E+01	1.67E-01	3.50E+03
100-41-4	Ethylbenzene	x	x	0.1	(I6/91; 12/97)	-	(H97; NI 11/00)	2.8571429	(I1/92; 12/97)	-	(H97; NI 10/95)	7 mm Hg	2.04E+02	3.23E-01	1.69E+02
110-54-3	Hexane	x		0.06	(H97; NI 12/97)	-	(H97; NI 11/00)	0.0571429	(I7/93; 12/97)	-	(H97; NI 10/95)	124 mm Hg	3.41E+03	7.40E+01	9.50E+00
98-82-8	Isopropylbenzene	x	x	0.1	(I08/97; 12/00)	-	(H97; NI 12/00)	0.1142857	(I07/97; 12/00)	-	(H97; NI 12/00)	8 mm Hg	2.20E+02	4.70E-01	6.10E+01
75-09-2	Methylene Chloride	x	x	0.06	(I3/88; 12/97)	0.0075	(I2/95;10/95)	0.8571429	(H97a; NI 12/97)	0.001645	(H91a;7/94)	350 mm Hg	1.00E+01	8.98E-02	1.30E+04
103-65-1	n-propylbenzene		x	0.04 ^a	(EPA-R9PRG/02)	-	-	0.04 ^a	(EPA-R9PRG/02)	-	-	3.4 mm Hg (77°F)	2.80E+03	5.40E-01	1.40E+01
127-18-4	PCE	x	x	0.01	(I3/88; 12/97)	0.051	(H91a;RI10/95)	-	(H97; NI 12/97)	-	(H97; NI 10/95)	14 mm Hg	2.65E+02	7.54E-01	2.00E+02
79-00-5	TCA	x	x	0.9	(H91a;WI9/95)	-	(I2/94;10/95)	3	(H97; NI 12/00)	-	(H97;NI12/00)	100 mm Hg	1.35E+02	7.00E-01	1.33E+03
79-01-6	TCE	x	x	-	(H97; NI 12/97)	0.011	(H91a;WI10/95)	-	(H97; NI 12/97)	0.017	(H91a;NI12/00)	58 mm Hg	9.40E+01	4.22E-01	1.10E+03
108-88-3	Toluene	x	x	0.2	(I4/94; 12/97)	-	(H97; NI 11/00)	0.1142857	(I4/94; 12/97)	-	(H97; NI 10/95)	21 mm Hg	1.40E+02	2.72E-01	5.26E+02
1330-20-7	Total Xylenes	x	x	0.2	(I2/03)	-	(H97; NI 2/03)	0.02857143	(I2/03)	-	(H97; NI 2/03)	9 mm Hg	2.33E+02	2.79E-01	1.71E+02
156-60-5	trans-1,2-DCE	x	x	0.02	(I1/89; 12/97)	-	(H97; NI 11/00)	-	(H97a; NI 12/97)	-	(H97; NI 10/95)	180-265 mm Hg ^a	3.80E+01	3.85E-01	6.30E+03
75-01-4	Vinyl Chloride	x	x	0.003	(I8/00; 12/00)	1.5	(I8/00; 12/00)	0.02857143	(I8/00; 12/00)	0.0308	(I8/00; 12/00)	3.3 atm	1.86E+01	1.11E+00	2.76E+03

Notes: 1. Toxicological, physical, and chemical properties from *Cleanup Levels and Risk Calculations under the Model Toxics Control Act Cleanup Regulation, CLARC Version 3.1*, Ecology Publication No. 94-145, Updated November 2001.

2. Toxicological references: the most recent versions of the Heast (H) and IRIS (I) databases, with values supplied by the EPA Region 10 (RX) or the EPA Region 9 Superfund Preliminary Remediation Goals Table (EPA-R9PRG) used if no toxicological properties were listed in the Heast or IRIS databases; date of database entry and CLARC adoption provided; N = not in the referenced database on the date listed, W = withdrawn from the referenced database on the date listed.

3. VP = vapor pressure, from *Pocket Guide to Chemical Hazards*, National Institute for Occupational Safety and Health (NIOSH) 2004 on-line version.

^a cis/trans 1,2-DCE listed in NIOSH as 1,2-DCE (CAS No. 540-59-0).