Table 3-1. Summary of Detectable Soil Sample Analytical Results, January 1996, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituents	East-Central North Carolina Background[1]	Soil Sample ID: Depth: Date Sample:	GP-2 (6-8') 1/27/1996	GP-3 (6-8') 1/28/1996	GP-5 (4-5') 1/28/1996	SB-1 (3-5') 1/27/1996	SB-2 (7-8.5') 1/27/1996
Volatile Organics by USEPA Method 8260 (µg/kg dw)							
Methylene Chloride	INA		ND	ND	ND	ND	10
Chloroform	INA		ND	ND	ND	8	20
Semivolatile Organics by USEPA Method 8270 (µg/kg dw)	INA		ND	ND	ND	ND	ND
Metals by USEPA Method 6010 (mg/kg dw)							
Aluminum	100000		11800	6660	3960	11500	7380
Arsenic	6.5		2.11	1.24	1.58	2.84	1.57
Barium	700		46	26.3	30	45	28.3
Beryllium	<1.00		0.953	ND	ND	ND	0.729
Calcium	7900		ND	ND	ND	2160	ND
Chromium	70		1.34	1.33	5.76	11	1.52
Cobalt	45		ND	ND	ND	10.7	ND
Copper	30		15.1	3.8	15.2	25.6	8.88
Iron	30000		27900	13400	12700	18400	17200
Lead	365		3.88	2.41	6.74	16	2.69
Magnesium	6000		4460	726	1330	3440	2700
Manganese	250		181	28.1	92.1	**295**	135
Nickel	20		ND	ND	**135**	7.03	ND
Potassium	45000		2490	ND	591	ND	ND
Selenium	0.30		**1.41**	ND	ND	ND	ND
Sodium	57500		ND	ND	ND	ND	683
Thallium	INA		1.36	ND	ND	ND	ND
Vanadium	325		36.6	17.3	11.5	43.3	25.3
Zinc	28		**52.7**	8.57	**30.9**	**51.3**	**47.9**
Cyanide by Method 9010A (mg/kg dw)							
Total Cyanide	INA		ND	ND	ND	ND	ND
Amenable Cyanide	INA		ND	ND	ND	ND	ND

mg/kg (ppm) Milligrams per kilogram on a dry weight basis (parts per million).
µg/kg (ppb) Micrograms per kilogram on a dry weight basis (parts per billion).
J Estimated; matrix spike recovery exceeds upper control limit.
ND Constituent was not detected.
NA Constituent was not analyzed.
INA Information not available.
[1] Values obtained from USGS, 1984. Values represent elemental concentrations of a single soil sample obtained from east-central North Carolina.
Note: All bold numbers represent data above background concentrations.

Table 4-1. Summary of Monitor Well Construction Details, UNC Airport Road Waste Disposal Area, Univesity of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

	Monitor Well Identification	Date of Installation	Measuring Point Elevation (Top of Casing) (ft msl)	Depth of Surface Casing (ft bls)	Total Drilled Depth (ft bls)	Screened Interval (ft bls)
	MW-1	INA	483.11	NA	28.3	INA
	MW-2	INA	484.30	NA	29	INA
	MW-3	INA	483.34	NA	20	INA
	MW-4	INA	472.18	NA	24.6	INA
	MW-5	INA	454.62	NA	15	INA
	MW-6	4/11/1995	472.55	NA	22	12.0-22.0
*	MW-7	4/21/1995	475.01	22	48	38.0-48.0
*	MW-9	4/21/1995	476.25	NA	43.5	20.0-35.0
*	MW-11	4/18/1995	472.78	NA	36	26.0-36.0
	MW-12	4/13/1995	464.21	NA	22	12.0-22.0
*	MW-13	4/19/1995	467.60	NA	23	13.0-23.0
*	MW-14	8/11/1995	481.67	29	175	165.0-175.0
*	MW-15	7/20/1995	465.04	40	60.5	50.0-60.0
*	MW-16	7/21/1995	467.14	16	82	22.0-42.0
*	MW-17	7/24/1995	478.99	26	71	60.0-70.0
	MW-18	7/19/1995	467.96	NA	16	5.0-15.0
	MW-19	7/19/1995	473.90	NA	10	5.0-10.0
	MW-20	7/27/1995	475.03	NA	25	14.0-24.0
*	MW-21	7/21/1995	463.28	NA	22	11.0-21.0
	MW-22	7/26/1995	460.78	NA	10	5.0-10.0
*	MW-23	8/17/1995	458.92	17	89	78.0-88.0
*	MW-24	1/19/1996	465.32	105	200	175.0-195.0
	MW-25	1/23/1996	458.74	NA	15	5.0-15.0
*	MW-26	2/5/1996	458.79	20	180	75.0-95.0
*	MW-28	1/15/1996	480.40	NA	46	36.0-46.0
*	MW-29	11/14/1996	480.73	55	170	160.0-170.0
*	MW-30	11/12/1996	468.57	NA	40	25.0-40.0
*	MW-31	11/13/1996	468.45	50	90	75.0-90.0
*	MW-32	11/12/1996	462.06	NA	43	28.0-43.0
*	MW-33	11/13/1996	461.46	50	85	70.0-85.0
*	MW-34	7/6/2004	464.65	NA	85	70.0-85.0
*	MW-35	7/6/2004	452.45	NA	75	60.0-75.0
*	MW-36	7/7/2004	466.90	NA	84	69.0-84.0
*	MW-37	7/6/2004	460.29	100	125	115.0-125.0
	VER-1	3/26/1998	INA	NA	25	5.0-25.0
*	RW-1	4/2/1998	INA	20	80	20.0-80.0

* Bedrock wells - This designation indicates that the entire screened interval is set in bedrock.
ft msl Feet above mean sea level.
NA Not Applicable.
ft bls Feet below land surface.
INA Information not available.
Note: Monitor Wells MW-8, MW-10, and MW-27 were not installed.
RW-1 is an open borehole.

Table 5-1. Water Level Elevations in Monitor Wells and Surface Water Locations, July 19, 2004, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Monitor Well Identification	Measuring Point Elevation (ft msl)	Depth to Water (ft toc)	Groundwater Elevation (ft msl)
MW-1	483.11	12.40 [1]	470.71
MW-2	484.30	13.60	470.70
MW-3	483.34	5.30	478.04
MW-4	472.18	14.75	457.43
MW-5	454.62	4.75	449.87
MW-6	472.55	9.70	462.85
*MW-7	475.01	9.10	465.91
*MW-9	476.25	8.90 [1]	467.35
*MW-11	472.78	19.57	453.21
MW-12	464.21	6.77	457.44
*MW-13	467.60	6.98	460.62
*MW-14	481.67	16.17	465.50
*MW-15	465.04	1.77	463.27
*MW-16	467.14	6.42 [1]	460.72
*MW-17	478.99	10.97	468.02
MW-18	467.96	4.54	463.42
MW-19	473.90	NA	NA
MW-20	475.03	18.58	456.45
*MW-21	463.28	5.52	457.76
MW-22	460.78	4.44	456.34
*MW-23	458.92	3.09	455.83
*MW-24	465.32	2.20	463.12
MW-25	458.74	6.60	452.14
*MW-26	458.79	6.45	452.34
*MW-28	480.4	7.18	473.22
*MW-29	480.73	10.60	470.13
*MW-30	468.57	17.70	450.87
*MW-31	468.45	17.00	451.45
*MW-32	462.06	17.07	444.99
*MW-33	461.46	15.00	446.46
*MW-34	464.65	21.54	443.11
*MW-35	452.45	64.18	388.27
*MW-36	466.90	27.31	439.59
*MW-37	460.29	13.98	446.31
SW-1	475.70	3.35 [2]	472.35
SW-2	466.11	3.17 [2]	462.94
SW-3	457.55	3.56 [2]	453.99
SW-4	454.81	4.10 [2]	450.71
SW-5	454.60	4.18 [2]	450.42
SW-6	447.68	3.32 [2]	444.36

ft toc Feet below top of casing.
ft msl Feet above mean sea level.
* Bedrock Wells - This designation indicates that the entire screened interval is set in bedrock.
1 Water level was measured on 7/22/04
2 Water level was measured on 7/20/04
NA Not available.

Table 6-1. Groundwater Sampling Data for Samples Collected from Monitor Wells in July 2004, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Well No.	Date Sampled	Gallons per Well Volume	Gallons Purged	Temperature (Degrees Celsius)	pH (Standard Units)	Dissolved Oxygen (mg/l)	Specific Conductance (µmhos/cm)	Reduction Potential (mV)	Sampling Method
MW-1	7/22/2004	2.5	6.0 to dry	16.56	6.2	1.4	3,891	-65.3	submersible pump
MW-2	7/21/2004	2.5	8.0	16.38	6.3	0.4	3,303	-92.7	submersible pump
MW-3	7/21/2004	2.4	7.0 to dry	17.51	6.3	0.5	527	+66.5	submersible pump
MW-4	7/20/2004	1.8	6.5	15.57	5.8	4.0	261	+146.8	peristaltic
MW-5	7/20/2004	1.6	3.0 to dry	17.43	6.6	0.7	218	-23.0	peristaltic
MW-6	7/21/2004	2.0	6.0	15.19	5.8	0.2	422	+18.7	peristaltic
MW-7	7/21/2004	6.2	13.0 to dry	16.72	7.1	3.4	1,134	-24.1	submersible pump
MW-9	7/22/2004	4.5	10.0 to dry	16.01	6.5	0.3	544	-31.4	peristaltic
MW-11	7/22/2004	2.6	5.0 to dry	15.35	6.5	0.8	900	-2.0	peristaltic
MW-12	7/21/2004	2.4	6.0 to dry	17.29	6.9	NM	1,461	-3.7	submersible pump
MW-13	7/21/2004	2.6	8.0	16.07	6.6	0.2	776	-15.7	submersible pump
MW-14	7/21/2004	25.7	77.0	17.61	7.6	NM	573	+0.6	submersible pump
MW-15	7/21/2004	9.3	30.0	15.94	8.9	NM	1,359	-176.5	submersible pump
MW-16	7/22/2004	5.7	18.0	16.03	6.9	1.3	663	-105.7	bailer
MW-17	7/20/2004	9.4	30.0	16.82	7.8	NM	2,490	+6.1	submersible pump
MW-18	7/20/2004	1.7	6.0	19.26	7.5	NM	1,757	-87.1	submersible pump
MW-20	7/20/2004	0.9	3.0	15.42	7.1	6.4	86	+250.0	submersible pump
MW-21	7/19/2004	2.5	7.0	16.35	6.7	2.1	278	-24.2	submersible pump
MW-22	7/21/2004	1.2	3.5 to dry	18.74	7.4	NM	1,480	-41.2	peristaltic
MW-23	7/20/2004	13.7	40.0	15.60	8.1	NM	340	-52.7	peristaltic
MW-24	7/22/2004	125.3	125.0	18.33	8.8	0.03	265	-381.8	submersible pump
MW-25	7/21/2004	1.3	5.0	17.17	5.7	0.3	212	+65.6	submersible pump
MW-26	7/22/2004	14.5	15.5 to dry	17.51	7.1	3.5	398	+14.4	submersible pump
MW-28	7/21/2004	6.2	18.0	20.00	6.6	0.3	454	+9.2	submersible pump
MW-29	7/21/2004	25.5	77.0	18.71	8.2	NM	665	-78.7	submersible pump
MW-30	7/20/2004	3.6	7.0 to dry	16.71	7.5	NM	514	-60.5	submersible pump
MW-31	7/20/2004	11.7	36.0	16.20	7.6	NM	651	-23.6	submersible pump
MW-32	7/20/2004	4.5	10.0 to dry	19.08	7.3	NM	546	+64.2	submersible pump
MW-33	7/20/2004	11.5	35.0	16.45	7.5	NM	468	-13.5	submersible pump
MW-34	7/20/2004	10.5	20.0 to dry	17.81	7.4	NM	300	+7.7	submersible pump
MW-35	7/20/2004	2.1	4.0 to dry	17.45	7.6	NM	348	-34.2	submersible pump
MW-36	7/20/2004	8.8	14.0 to dry	15.93	7.1	4.2	314	+87.8	submersible pump
MW-37	7/20/2004	18.1	42.0 to dry	18.95	11.1	1.5	440	-362.3	submersible pump

Notes:

mg/l	milligrams per liter
µmhos/cm	micromhos per centimeter.
mV	millivolts
NM	not measured

Table 6-2. Summary of Analytical Results for Groundwater Samples Collected in July 2004, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-1 07/22/04	DUP-3 07/22/04	MW-2 07/21/04	MW-3 07/21/04	MW-4 07/20/04	MW-5 07/20/04	MW-6 07/21/04	MW-7 07/21/04	MW-9 07/22/04	MW-11 07/22/04	MW-12 07/21/04	MW-13 07/21/04	MW-14 07/21/04	DUP-2 07/21/04	MW-15 07/21/04	MW-16 07/22/04	MW-17 07/20/04
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard																	
Acetone	700	**260,000**	**240,000**	<50000	<25	<25	<25	<1200	<5.0	<25	<1200	<500	<120	**170**	<120	**1,600**	<25	<25
Benzene	1	**100,000**	**100,000**	**25,000**	<1.0	<1.0	<1.0	**910**	**2.7 U**	<1.0	<50	**470** D	**22**	**190**	**200**	**930**	<1.0	<1.0
Chlorobenzene	50	<1000	<1000	<2000	<1.0	<1.0	<1.0	<50	**8.3**	<1.0	<50	**23**	**8.2**	<5.0	<5.0	<50	<1.0	<1.0
Chloroform	0.19	**190,000** D	**190,000** D	**130,000**	<1.0	<1.0	<1.0	**470**	**6.9 U**	<1.0	<50	**21**	<5.0	**53**	**57**	**180**	<1.0	<1.0
1,1-Dichloroethane	700	<1000	<1000	<2000	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<50	<20	<5.0	<5.0	<5.0	<50	<1.0	<1.0
1,2-Dichloroethane	0.38	**9,900**	**10,000**	<2000	<1.0	<1.0	<1.0	<50	**49**	**1.2**	**56**	**360**	**96**	**50**	**51**	**380**	<1.0	<1.0
Cis/Trans-1,2-Dichloroethene	70	<1000	<2000	<4000	<2.0	<2.0	<2.0	<200	<2.0	<2.0	<100	<40	<10	<40	<10	<100	<2.0	**22**
Diethyl ether	1,200*	**290,000** D	**300,000** D	**130,000** D	16 U[B]	<2.0	**3**	**12,000** D	**2,300** D	**140**	**3,100**	**13,000** D	**4,200** D	**1,800** D	**2,000** D	**14,000** D	**3.5**	**110**
Ethylbenzene	29	**3,100**	**3,100**	<2000	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<50	<20	<5.0	<5.0	<5.0	<50	<1.0	<1.0
Methylene chloride	5	**140,000**	**140,000**	**58,000**	<5.0	<5.0	<5.0	**390**	<5.0	<5.0	<250	<100	<25	<25	<25	<250	<5.0	<5.0
1,1,2,2-Tetrachloroethane	.055*	**8,000**	**8,400**	<2000	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<50	<20	<5.0	<5.0	<5.0	<50	<1.0	<1.0
Toluene	1,000	<1000	<1000	<2000	<1.0	<1.0	<1.0	<50	<1.0	<1.0	<50	<20	<5.0	<5.0	<5.0	<50	<1.0	<1.0
Trichloroethene	2.8	**14,000**	**14,000**	<2000	<1.0	<1.0	<1.0	**28 J**	**4.2**	<1.0	<50	**35**	<5.0	**10**	**11**	<50	<1.0	**1.3**
Vinyl chloride	0.015	<1000	<1000	<2000	<1.0	<1.0	<1.0	<50	**5.5**	<1.0	<50	<20	<5.0	<5.0	<5.0	<50	<1.0	20
Xylenes, Total	530	**2,300**	**2,000**	<4000	<2.0	<2.0	<2.0	<100	<2.0	<2.0	<100	<40	<10	<10	<10	<100	<2.0	<2.0

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit
J	Constituent concentration is qualified as estimated.
D	Constituent concentration was quantitated using a secondary dilution.
U	Constituent concentration was qualified as nondetect due to blank contamination.
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L groundwater Standard exists).
	Indicates that the reported concentration exceeds the established NCAC 2L Groundwater Standard or PRG.

Table 6-2. Summary of Analytical Results for Groundwater Samples Collected in July 2004, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-18 07/20/04	MW-20 07/20/04	MW-21 07/19/04	MW-22 07/21/04	MW-23 07/20/04	MW-24 07/22/04	MW-25 07/21/04	MW-26 07/22/04	MW-28 07/21/04	MW-29 07/21/04	MW-30 07/20/04	MW-31 07/20/04	MW-32 07/20/04	MW-33 07/20/04	DUP-1 07/20/04	MW-34 07/20/04	MW-35 07/20/04	MW-36 07/20/04	MW-37 07/20/04
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard																			
Acetone	700	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene	1	<1.0	<1.0	<1.0	**1.2 U**	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	50	**4.4**	<1.0	<1.0	**17.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	0.19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<1.0	<1.0	<1.0	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**25**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis/Trans-1,2-Dichloroethene	70	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Diethyl ether	1,200*	**49**	<2.0	<2.0	**470** D	<2.0	**6**	**45**	<2.0	<2.0	<2.0	<2.0	**2,000** D	<2.0	**30**	**31**	<2.0	<2.0	<2.0	<2.0
Ethylbenzene	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene chloride	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	.055*	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	2.8	<1.0	<1.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	0.015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**5.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes, Total	530	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit
J	Constituent concentration is qualified as estimated.
D	Constituent concentration was quantitated using a secondary dilution.
U	Constituent concentration was qualified as nondetect due to blank contamination.
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L groundwater Standard exists).
	Indicates that the reported concentration exceeds the established NCAC 2L Groundwater Standard or PRG.

Table 6-3. Historical Summary of Analytical Results for VOCs Detected in Groundwater Samples, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-1 05/15/98	MW-1 11/15/00	MW-1 10/31/02	MW-1 07/22/04	MW-2 05/15/98	MW-2 11/14/00	MW-2 10/31/02	MW-2 07/21/04	MW-3 05/15/98	MW-3 11/14/00	MW-3 10/31/02	MW-3 07/21/04	MW-4 10/31/02	MW-4 07/20/04	MW-5 11/14/00	MW-5 10/30/02	MW-5 07/20/04	MW-6 05/14/98	MW-6 11/14/00
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard																			
Acetone	700	<50	<5,000	**160,000**	**260,000**	<25,000	<5,000	**30,000**	<50000	<50	<2.0	<50	<25	<50	<25	<50.0	<50	<25	<5,000	<50
Benzene	1	**69,000**	**142,000**	**32,000**	**100,000**	**8,500**	**12,800**	**13,000**	**25,000**	<5.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	**500**	**834**
Chlorobenzene	50	**24**	**450**	**440**	<1000	<2,500	<200	**150**	<2000	<5.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<500	**2.1**
Chloroform	0.19	**90,000**	**273,000**	**89,000**	**190,000**	**46,000**	**102,000**	**85,000**	**130,000**	**8.7**	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	**1,100**	**963**
1,1-Dichloroethane	700	**5.2**	<200	**42**	<1000	<2,500	<200	**23**	<2000	<5.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<500	<2.0
1,2-Dichloroethane	0.38	<50,000	**6,700**	**3,800**	**9,900**	<2,500	**4,140**	**4,400**	<2000	<5.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<500	**21.5**
cis-1,2-Dichloroethene	70	**9.0**	<200	**64**	<1000[1]	<2,500	<200	**8**	<4000[1]	<5.0	<2.0	<2.0	<2.0[1]	<2.0	<2.0[1]	<2.0	<2.0	<2.0[1]	<500	<2.0
trans-1,2-Dichloroethene	70	NA	<200	**20**	NA	NA	<200	**4**	NA	NA	<2.0	<2.0	NA	<2.0	NA	<2.0	<2.0	NA	NA	**4.0**
Diethyl ether	1,200*	**220,000**	**430,000**	**160,000**	**290,000**	**55,000**	**82,000**	**65,000**	**130,000**	**10**	<2.0	<2.0	16 U	<2.0	<2.0	<2.0	<2.0	**3.4**	**7,500**	**4,450**
Methylene chloride	5	**66,000**	**222,000**	**71,000**	**140,000**	**26,000**	**48,700**	**35,000**	**58,000**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**800**	**655**
1,1,2,2-Tetrachloroethane	.055*	<5.0	<200	**2,600**	**8,000**	<2,500	<200	**63**	<2000	<5.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<500	<2.0
Toluene	1,000	<50,000	**5,530**	**250**	<1000	<2,500	**650**	**510**	<2000	<5.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<500	<2.0
Trichloroethene	2.8	<5.0	**4,960**	**1,600**	**14,000**	<2,500	**177**	**170**	<2000	<5.0	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<500	**10.7**
Vinyl chloride	0.015	**11**	<200	**3**	<1000	<5,000	<200	**3**	<2000	<10	<2.0	<2.0	<1.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1,000	<2.0
Xylenes, Total	530	<50,000	**1,890**	**2,140**	**2,300**	<2,500	**470**	**290**	<4000	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<500	<2.0

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit.
J	Constituent concentration is qualified as estimated.
NA	Not analyzed
U	Constituent concentration is qualified as nondetect due to blank contamination.
[1]	Cis-1,2-Dichloroethene & trans-1,2-Dichloroethene were analyzed as one constituent (Cis/Trans-1,2-Dichloroethene)
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L Groundwater Standard exists).
	Indicates that the reported concentration exceeds the NCAC 2L Groundwater Standard or PRG.

Table 6-3. Historical Summary of Analytical Results for VOCs Detected in Groundwater Samples, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-6 10/31/02	MW-6 07/21/04	MW-7 05/14/98	MW-7 11/16/00	MW-7 10/29/02	MW-7 07/21/04	MW-9 05/14/98	MW-9 11/14/00	MW-9 10/31/02	MW-9 07/22/04	MW-11 05/13/98	MW-11 11/14/00	MW-11 10/31/02	MW-11 07/22/04	MW-12 05/14/98	MW-12 11/15/00	MW-12 10/29/02	MW-12 12/18/03	MW-12 07/21/04
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard																			
Acetone	700	<50	<1200	<50	<50	<50	<5.0	<50	<50	<50	<25	<50	<50	<50	<1200	<5,000	<50	<50	<1200	<500
Benzene	1	**440**	**910**	<5.0	**140**	**4**	**2.7 U**	<5.0	< 3.4	**50**	<1.0	<5.0	<2.5	**6**	<50	**1,300**	**2,020**	**290 J**	**350**	**470**
Chlorobenzene	50	**2**	<50	<5.0	**15.1**	**5**	**8.3**	<5.0	<2.0	<2.0	<1.0	<5.0	**7.4**	**8**	<50	<500	**23.4**	**17**	<50	**23**
Chloroform	0.19	**140**	**470**	**16**	<2.7	<2.0	**6.9 U**	**5.1**	<2.0	<2.0	<1.0	**20**	<8.6	**12**	<50	**10,000**	**8,050**	**32**	<50	**21**
1,1-Dichloroethane	700	<2.0	<50	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<50	<500	<2.0	**4**	<50	<20
1,2-Dichloroethane	0.38	**16**	<50	**15**	**59.6**	**33**	**49**	<5.0	**2.4**	**5**	**1.2**	<5.0	**47.7**	**50**	**56**	<500	**585**	**330 J**	<50	**360**
cis-1,2-Dichloroethene	70	<2.0	<200[1]	<5.0	**4.1**	**2**	<2.0[1]	<5.0	<2.0	<2.0	<2.0[1]	<5.0	**3.2**	**2**	<100[1]	<500	**5.6**	**4**	<100	<40[1]
trans-1,2-Dichloroethene	70	**5**	NA	NA	<2.0	<2.0	NA	<5.0	<2.0	<2.0	NA	<5.0	<2.0	<2.0	NA	<500	<2.0	<2.0	<100	NA
Diethyl ether	1,200*	**5,400**	**12,000**	**64**	**2,480**	**930**	**2,300**	**120**	**160**	**720**	**140**	**1,400**	**1,790**	**1,600**	**3100**	**13,000**	**13,900**	**11,000**	**8,800**	**13,000**
Methylene chloride	5	**88**	**390**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6**	<250	**5,700**	**4,160**	<5.0	<250	<100
1,1,2,2-Tetrachloroethane	.055*	<2.0	<50	<5.0	<5.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<50	<500	<2.0	<2.0	<50	<20
Toluene	1,000	<2.0	<50	<5.0	**2.1**	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<50	<500	**2.0**	<2.0	<50	<20
Trichloroethene	2.8	**13**	**28 J**	<5.0	**8.2**	**2**	**4.2**	<5.0	<2.0	<2.0	<1.0	**6.5**	**8.4**	**8**	<50	<500	**43**	**30**	**25 J**	**35**
Vinyl chloride	0.015	<2.0	<50	<10	**6.9**	**4**	**5.5**	<10	<2.0	<2.0	<1.0	**12**	**8.0**	**13**	<50	<1.000	<2.0	**4**	<50	<20
Xylenes, Total	530	<2.0	<100	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<100	<500	<2.0	<2.0	<100	<40

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit.
J	Constituent concentration is qualified as estimated.
NA	Not analyzed
U	Constituent concentration is qualified as nondetect due to blank contamination.
[1]	Cis-1,2-Dichloroethene & trans-1,2-Dichloroethene were analyzed as one constituent (Cis/Trans-1,2-Dichloroethene)
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L Groundwater Standard exists).
	Indicates that the reported concentration exceeds the NCAC 2L Groundwater Standard or PRG.

Table 6-3. Historical Summary of Analytical Results for VOCs Detected in Groundwater Samples, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-13 05/14/98	MW-13 11/14/00	MW-13 10/30/02	MW-13 07/21/04	MW-14 05/14/98	MW-14 11/15/00	MW-14 10/29/02	MW-14 07/21/04	MW-15 05/14/98	MW-15 11/15/00	MW-15 10/29/02	MW-15 12/18/03	MW-15 07/21/04	MW-16 05/14/98	MW-16 11/15/00	MW-16 10/29/02	MW-16 07/22/04	MW-17 11/14/00	MW-17 10/29/02
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard																			
Acetone	700	<2,500	<50	<50	<120	<500	<50	<50	**170**	<5,000	<50	<50	<1200	**1,600**	<50	<50	<50	<25	<50	<50
Benzene	1	<250	< 18.1	**32**	**22**	**280**	< 3.8	**180**	**190**	**1,900**	**355**	**990**	**540**	**930**	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
Chlorobenzene	50	<250	**15.6**	**4**	**8.2**	<50	<2.0	**2**	<5.0	<500	**5.3**	**18**	**17 J**	<50	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
Chloroform	0.19	<250	<23.8	**8**	<5	**56**	<2.0	**97**	**53**	**10,000**	**606**	**1,000**	**220**	**180**	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
1,1-Dichloroethane	700	<250	**2.7**	<2.0	<5	<50	<2.0	<2.0	<5.0	<500	<2.0	**4**	<50	<50	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
1,2-Dichloroethane	0.38	<250	**211**	**42**	**96**	**63**	**4.7**	**47**	**50**	<500	**130**	**320 J**	**250**	**380**	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
cis-1,2-Dichloroethene	70	<250	**5.0**	<2.0	<10[1]	<50	<2.0	<2.0	<40[1]	<500	<2.0	**5**	<100	<100[1]	<5.0	<2.0	<2.0	<2.0[1]	**2.9**	**27**
trans-1,2-Dichloroethene	70	<250	<2.0	<2.0	NA	<50	<2.0	<2.0	NA	<500	<2.0	<2.0	<100	NA	<5.0	<2.0	<2.0	NA	<2.0	<2.0
Diethyl ether	1,200*	**3,300**	**5,840**	**1,900**	**4,200**	**1,800**	<51	**1,900**	**1,800**	**13,000**	**2,670**	**11,000**	**8,500**	**14,000**	**7.7**	<2.0	**3.0**	**3.5**	<2.0	**77**
Methylene chloride	5	<250	<5.0	<5.0	<25	<50	<5.0	**6**	<25	**5,700**	**197**	**240**	**77 J**	<250	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	.055*	<250	<2.0	<2.0	<5	<50	<2.0	<2.0	<5.0	<500	<2.0	<2.0	<50	<50	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
Toluene	1,000	<250	<2.0	<2.0	<5	<50	<2.0	<2.0	<5.0	<500	<2.0	<2.0	<50	<50	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
Trichloroethene	2.8	<250	**28**	**5**	<5	<50	<2.0	**10**	**10**	<500	**9.5**	**35**	**24 J**	<50	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0
Vinyl chloride	0.015	<500	**5.8**	**2**	<5	<100	<2.0	**2**	<5.0	<1000	<2.0	**4**	<50	<50	<10	<2.0	<2.0	<1.0	<2.0	**15**
Xylenes, Total	530	<250	<2.0	<2.0	<10	<50	<2.0	**3**	<10	<500	<2.0	<2.0	<100	<100	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit.
J	Constituent concentration is qualified as estimated.
NA	Not analyzed
U	Constituent concentration is qualified as nondetect due to blank contamination.
[1]	Cis-1,2-Dichloroethene & trans-1,2-Dichloroethene were analyzed as one constituent (Cis/Trans-1,2-Dichloroethene)
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L Groundwater Standard exists).
	Indicates that the reported concentration exceeds the NCAC 2L Groundwater Standard or PRG.

Table 6-3. Historical Summary of Analytical Results for VOCs Detected in Groundwater Samples, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-17 07/20/04	MW-18 11/14/00	MW-18 10/31/02	MW-18 07/20/04	MW-20 07/20/04	MW-21 05/13/98	MW-21 11/14/00	MW-21 10/30/02	MW-21 07/19/04	MW-22 05/14/98	MW-22 11/15/00	MW-22 10/29/02	MW-22 07/21/04	MW-23 05/13/98	MW-23 10/30/02	MW-23 07/20/04	MW-24 12/19/03	MW-24 07/22/04	MW-25 05/13/98
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard																			
Acetone	700	<25	<50.0	<50	<25	<25	<50	<50	<50	<25	<50	<50	<50	<25	<50	<50	<25	<25	<25	<50
Benzene	1	<1.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	**160**	<2.0	<2.0	**1.2 U**	<5.0	<2.0	<1.0	<1.0	**1.1**	<5.0
Chlorobenzene	50	<1.0	**3.5**	**3**	**4.4**	<1.0	<5.0	<2.0	<2.0	<1.0	**13**	**12.1**	**10**	**17**	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0
Chloroform	0.19	<1.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0
1,1-Dichloroethane	700	<1.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0
1,2-Dichloroethane	0.38	<1.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	**18.3**	**2**	**12**	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0
cis-1,2-Dichloroethene	70	**22**[1]	<2.0	<2.0	<2.0[1]	<2.0[1]	<5.0	<2.0	<2.0	<2.0[1]	<5.0	<2.0	<2.0	<2.0[1]	<5.0	<2.0	<2.0[1]	<2.0	<2.0[1]	<5.0
trans-1,2-Dichloroethene	70	NA	<2.0	<2.0	NA	NA	<5.0	<2.0	<2.0	NA	<5.0	<2.0	<2.0	NA	<5.0	<2.0	NA	<2.0	NA	<5.0
Diethyl ether	1,200*	**110**	<34	<2.0	**49**	<2.0	<5.0	<2.0	<2.0	<2.0	**2,600**	**620**	**130**	**660 J**	<5.0	<2.0	<2.0	**4.8**	**6.4**	<5.0
Methylene chloride	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	.055*	<1.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0
Toluene	1,000	<1.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0
Trichloroethene	2.8	**1.3**	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	**8.9**	**2.2**	<2.0	**1.4**	<5.0	<2.0	<1.0	<1.0	<1.0	<5.0
Vinyl chloride	0.015	**20**	<2.0	<2.0	<1.0	<1.0	<10	<2.0	<2.0	<1.0	<10	<2.0	<2.0	<1.0	<10	<2.0	<1.0	<1.0	<1.0	<10
Xylenes, Total	530	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit.
J	Constituent concentration is qualified as estimated.
NA	Not analyzed
U	Constituent concentration is qualified as nondetect due to blank contamination.
[1]	Cis-1,2-Dichloroethene & trans-1,2-Dichloroethene were analyzed as one constituent (Cis/Trans-1,2-Dichloroethene)
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L Groundwater Standard exists).
	Indicates that the reported concentration exceeds the NCAC 2L Groundwater Standard or PRG.

Table 6-3. Historical Summary of Analytical Results for VOCs Detected in Groundwater Samples, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-25 11/14/00	MW-25 10/30/02	MW-25 07/21/04	MW-26 05/13/98	MW-26 11/15/00	MW-26 10/30/02	MW-26 07/22/04	MW-28 11/16/00	MW-28 10/31/02	MW-28 07/21/04	MW-29 11/15/00	MW-29 10/31/02	MW-29 07/21/04	MW-30 10/30/02	MW-30 07/20/04	MW-31 05/13/98	MW-31 11/14/00	MW-31 10/30/02	MW-31 07/20/04
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard																			
Acetone	700	<50	<50	<25	<50	<50	<50	<25	<50.0	<50	<25	<25	<50	<25	<50	<25	<250	<50	<50	<25
Benzene	1	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	**2**	<1.0	<1.0	<2	<1.0	<2.0	<1.0	<25	<2.0	<2.0	**1.3**
Chlorobenzene	50	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<2	<1.0	<2.0	<1.0	<25	<2.0	**3**	**4.1**
Chloroform	0.19	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	**2**	<1.0	<1.0	**2**	<1.0	<2.0	<1.0	<25	<2.0	**3**	**2.1**
1,1-Dichloroethane	700	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<25	<2.0	<2.0	<1.0
1,2-Dichloroethane	0.38	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<25	**8.4**	**19**	**25**
cis-1,2-Dichloroethene	70	<2.0	<2.0	<2.0[1]	<5.0	<2.0	<2.0	<2.0[1]	<2.0	<2.0	<2.0[1]	<1.0	<2.0	<2.0[1]	<2.0	<2.0[1]	<25	<2.0	<2.0	<2.0[1]
trans-1,2-Dichloroethene	70	<2.0	<2.0	NA	<5.0	<2.0	<2.0	NA	<2.0	<2.0	NA	<1.0	<2.0	NA	<2.0	NA	<25	<2.0	<2.0	NA
Diethyl ether	1,200*	<43	<2.0	**45**	**5.2**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	**2.0**	<2.0	**480**	**215**	**770**	**2,000**
Methylene chloride	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	.055*	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<25	<2.0	<2.0	<1.0
Toluene	1,000	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<25	<2.0	<2.0	<1.0
Trichloroethene	2.8	<2.0	<2.0	<1.0	<5.0	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<25	<2.0	**4**	**5.0**
Vinyl chloride	0.015	<2.0	<2.0	<1.0	<10	<2.0	<2.0	<1.0	<2.0	<2.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<50	<2.0	**5**	**5.4**
Xylenes, Total	530	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<25	<2.0	<2.0	<2.0

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit.
J	Constituent concentration is qualified as estimated.
NA	Not analyzed
U	Constituent concentration is qualified as nondetect due to blank contamination.
[1]	Cis-1,2-Dichloroethene & trans-1,2-Dichloroethene were analyzed as one constituent (Cis/Trans-1,2-Dichloroethene)
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L Groundwater Standard exists).
	Indicates that the reported concentration exceeds the NCAC 2L Groundwater Standard or PRG.

Table 6-3. Historical Summary of Analytical Results for VOCs Detected in Groundwater Samples, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	MW-32 05/13/98	MW-32 11/13/00	MW-32 10/30/02	MW-32 12/19/03	MW-32 07/20/04	MW-33 05/13/98	MW-33 11/13/00	MW-33 10/30/02	MW-33 12/19/03	MW-33 07/20/04	MW-34 07/20/04	MW-35 07/20/04	MW-36 07/20/04	MW-37 07/20/04
Volatile Organics (USEPA Method 8260) ug/L	NCAC 2L GW Standard														
Acetone	700	<50	<50	<50	<25	<25	<50	<50	<50	<25	<25	<25	<25	<25	<25
Benzene	1	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	50	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	0.19	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	700	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	0.38	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	70	<5.0	<2.0	<2.0	<2.0	<2.0[1]	<5.0	<2.0	<2.0	<2.0	<2.0[1]	<2.0[1]	<2.0[1]	<2.0[1]	<2.0[1]
trans-1,2-Dichloroethene	70	<5.0	<2.0	<2.0	<2.0	NA	<5.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA
Diethyl ether	1,200*	<5.0	<2.0	**15**	<2.0	<2.0	<5.0	<2.0	**13**	**18**	**30**	<2.0	<2.0	<2.0	<2.0
Methylene chloride	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5
1,1,2,2-Tetrachloroethane	.055*	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Toluene	1,000	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Trichloroethene	2.8	<5.0	<2.0	<2.0	<1.0	<1.0	<5.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Vinyl chloride	0.015	<10	<2.0	<2.0	<1.0	<1.0	<10	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Xylenes, Total	530	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2

ug/L	Micrograms per liter.
<	Constituent was not detected above the reporting limit.
J	Constituent concentration is qualified as estimated.
NA	Not analyzed
U	Constituent concentration is qualified as nondetect due to blank contamination.
[1]	Cis-1,2-Dichloroethene & trans-1,2-Dichloroethene were analyzed as one constituent (Cis/Trans-1,2-Dichloroethene)
*	USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no NCAC 2L Groundwater Standard exists).
	Indicates that the reported concentration exceeds the NCAC 2L Groundwater Standard or PRG.

Table 6-4. Summary of Analytical Results for Surface Water Samples Collected in July 2004, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled:	SW-1 07/20/04	SW-2 07/20/04	SW-3 07/20/04	SW-4 07/20/04	SW-5 07/20/04	SW-6 07/20/04
Volatile Organics (USEPA Method 8260) ug/L	Screening Criteria						
Diethyl ether	1,200*	<2	<2	**4.2**	**4.0**	**2.4**	<2

ug/L Micrograms per liter.
< Constituent was not detected above the reporting limit.
* USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no surface water standard exists).

Table 6-5. Historical Summary of Diethyl Ether Detected in Surface Water Samples, UNC Airport Road Waste Disposal Area, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina.

Constituent	Sample ID: / Date Sampled: / Sampled by:	SW-1 06/16/95 ARCADIS	SW-1 01/26/96 UNC	SW-1 05/09/96 UNC	SW-1 10/28/96 UNC	SW-1 04/10/97 UNC	SW-1 12/03/97 UNC	SW-1 07/20/04 ARCADIS	SW-2 06/16/95 ARCADIS	SW-2 01/26/96 UNC	SW-2 05/09/96 UNC	SW-2 08/07/96 UNC	SW-2 10/28/96 UNC	SW-2 04/10/97 UNC	SW-2 08/15/97 UNC	SW-2 12/03/97 UNC	SW-2 07/20/04 ARCADIS
Volatile Organics (USEPA Method 8260) ug/L	Screening Criteria																
Diethyl ether	1,200*	<100	<10	<10	<10	<10	<10	<2	**47**	<10	<10	<10	<10	<10	<10	<10	<2

Constituent	Sample ID: / Date Sampled: / Sampled by:	SW-3 06/16/95 ARCADIS	SW-3 01/26/96 UNC	SW-3 05/09/96 UNC	SW-3 08/07/96 UNC	SW-3 10/28/96 UNC	SW-3 04/10/97 UNC	SW-3 08/15/97 UNC	SW-3 12/03/97 UNC	SW-3 07/20/04 ARCADIS	SW-4 06/16/95 ARCADIS	SW-4 01/26/96 UNC	SW-4 05/09/96 UNC	SW-4 08/07/96 UNC	SW-4 10/28/96 UNC	SW-4 04/10/97 UNC	SW-4 08/15/97 UNC	SW-4 12/03/97 UNC	SW-4 07/20/04 ARCADIS
Volatile Organics (USEPA Method 8260) ug/L	Screening Criteria																		
Diethyl ether	1,200*	**6**	<10	<10	**10**	<10	<10	**12**	<10	**4.2**	**5**	<10	<10	<10	<10	<10	<10	<10	**4.0**

Constituent	Sample ID: / Date Sampled: / Sampled by:	SW-5 06/16/95 ARCADIS	SW-5 01/26/96 UNC	SW-5 05/09/96 UNC	SW-5 08/07/96 UNC	SW-5 10/28/96 UNC	SW-5 04/10/97 UNC	SW-5 08/15/97 UNC	SW-5 12/03/97 UNC	SW-5 01/29/03 UNC	SW-5 07/20/04 ARCADIS	SW-6 06/16/95 ARCADIS	SW-6 01/26/96 UNC	SW-6 05/09/96 UNC	SW-6 08/07/96 UNC	SW-6 10/28/96 UNC	SW-6 04/10/97 UNC	SW-6 08/15/97 UNC	SW-6 12/03/97 UNC	SW-6 07/20/04 ARCADIS
Volatile Organics (USEPA Method 8260) ug/L	Screening Criteria																			
Diethyl ether	1,200*	**2**	<10	<10	<10	**10**	<10	<10	<10	<5.0	**2.4**	<100	<10	<10	<10	<10	<10	<10	<10	<2

ug/L Micrograms per liter.
< Constituent was not detected above the reporting limit.
* USEPA Region IX Preliminary Remedation Goal (PRG) for tap water (no surface water standard exists).