

TABLES





The Payne Firm, Inc.

Vernay Laboratories, Inc.

Yellow Springs, Ohio

Project No. 0292.11.26

TABLE 1: Quarterly Water Level Measurements (Q3-2005) July-September

Well ID	Location	Well Type	Easting (X)	Northing (Y)	Measurement Date (mm/dd/yyyy)	Potentiometric Elevation (feet msl)
CW01-01	Vernay Plant 2/3 Facility	Cedarville Aquifer Extraction Well	1573909.28	659427.70	7/14/2005	1000.94
CW01-01	Vernay Plant 2/3 Facility	Cedarville Aquifer Extraction Well	1573909.28	659427.70	8/22/2005	986.88
CW01-01	Vernay Plant 2/3 Facility	Cedarville Aquifer Extraction Well	1573909.28	659427.70	9/15/2005	983.08
CW01-02	Vernay Plant 2/3 Facility	Cedarville Aquifer Extraction Well	1573937.31	659862.08	7/14/2005	1010.46
CW01-02	Vernay Plant 2/3 Facility	Cedarville Aquifer Extraction Well	1573937.31	659862.08	8/22/2005	1010.17
CW01-02	Vernay Plant 2/3 Facility	Cedarville Aquifer Extraction Well	1573937.31	659862.08	9/15/2005	1010.24
MW01-01	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573585.54	659816.84	9/15/2005	1019.30
MW01-02	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573332.98	659681.44	9/15/2005	1019.92
MW01-02CD	Vernay Plant 2/3 Facility	Middle Cedarville Aquifer Monitoring Well	1573333.17	659672.35	9/15/2005	1019.84
MW01-02SE	Vernay Plant 2/3 Facility	Lower Cedarville Aquifer Monitoring Well	1573199.63	659663.91	9/15/2005	1019.89
MW01-03	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573530.22	659251.03	9/15/2005	1019.33
MW01-03CD	Vernay Plant 2/3 Facility	Middle Cedarville Aquifer Monitoring Well	1573520.79	659255.35	9/15/2005	1019.16
MW01-04	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573901.97	659268.68	9/15/2005	1016.19
MW01-04CD	Vernay Plant 2/3 Facility	Middle Cedarville Aquifer Monitoring Well	1573897.44	659258.07	9/15/2005	1016.30
MW01-04SE	Vernay Plant 2/3 Facility	Lower Cedarville Aquifer Monitoring Well	1573887.97	659269.89	9/15/2005	1016.64
MW01-05	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573925.45	659684.42	9/15/2005	1016.23
MW01-05CD	Vernay Plant 2/3 Facility	Middle Cedarville Aquifer Monitoring Well	1573925.66	659751.87	9/15/2005	1015.55
MW01-06	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573545.57	659442.63	9/15/2005	1019.39
MW01-07	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573055.88	659624.09	9/15/2005	1020.50
MW01-08	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573068.52	659382.90	9/15/2005	1020.52
MW01-09	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573929.47	659836.73	9/15/2005	1015.55
MW01-10	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573889.86	659463.59	9/15/2005	1011.44
MW01-11	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573618.17	659503.28	9/15/2005	1019.21
MW01-12	Vernay Plant 2/3 Facility	Sanitary Sewer Backfill Monitoring Well	1573630.51	659849.72	9/15/2005	1019.57
MW01-13	Vernay Plant 2/3 Facility	Storm Sewer Backfill Monitoring Well	1573955.00	659946.33	9/15/2005	1015.11
MW01-14	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Monitoring Well	1573906.56	659334.31	9/15/2005	1014.67
MW02-01	Omar Circle	Upper Cedarville Aquifer Monitoring Well	1573572.00	659101.05	9/15/2005	1018.65
MW02-01	Omar Circle	Upper Cedarville Aquifer Monitoring Well	1573572.00	659101.05	9/15/2005	1018.65
MW02-02	Omar Circle	Upper Cedarville Aquifer Monitoring Well	1573915.49	659077.11	9/15/2005	1015.22
MW02-03CD	Omar Circle	Middle Cedarville Aquifer Monitoring Well	1574268.14	659063.73	9/15/2005	1016.15
MW02-03SE	Omar Circle	Lower Cedarville Aquifer Monitoring Well	1574278.03	659070.43	9/15/2005	1013.05
MW02-04	Wright Street	Upper Cedarville Aquifer Monitoring Well	1574806.07	658992.87	9/15/2005	1014.92
MW02-04CD	Wright Street	Middle Cedarville Aquifer Monitoring Well	1574776.07	658806.13	9/15/2005	1014.50
MW02-05	Wright Street	Upper Cedarville Aquifer Monitoring Well	1574829.06	659289.69	9/15/2005	1014.66
MW02-05CD	Wright Street	Middle Cedarville Aquifer Monitoring Well	1574818.96	659287.48	9/15/2005	1014.75
MW02-06	Wright Street	Upper Cedarville Aquifer Monitoring Well	1574850.88	659572.86	9/15/2005	1013.99
MW02-06CD	Wright Street	Middle Cedarville Aquifer Monitoring Well	1574841.40	659578.29	9/15/2005	1013.66
MW02-07	Wright Street	Upper Cedarville Aquifer Monitoring Well	1574881.44	659913.03	9/15/2005	1012.25
MW02-08	825 Dayton Street	Upper Cedarville Aquifer Monitoring Well	1574402.39	659398.85	9/15/2005	1015.94
MW02-08CD	825 Dayton Street	Middle Cedarville Aquifer Monitoring Well	1574406.69	659410.34	9/15/2005	1015.54
MW02-08SE	825 Dayton Street	Lower Cedarville Aquifer Monitoring Well	1574413.01	659400.06	9/15/2005	1015.81
MW02-09	Suncrest Drive	Upper Cedarville Aquifer Monitoring Well	1575052.49	659803.02	9/15/2005	1012.51
MW02-10	Green Street	Upper Cedarville Aquifer Monitoring Well	1575413.32	659647.28	9/15/2005	1011.69
MW02-10CD	Green Street	Middle Cedarville Aquifer Monitoring Well	1575412.19	659635.97	9/15/2005	1012.00
MW02-11	825 Dayton Street	Upper Cedarville Aquifer Monitoring Well	1574251.91	659711.63	9/15/2005	1015.77
MW02-11SE	825 Dayton Street	Lower Cedarville Aquifer Monitoring Well	1574258.32	659709.88	9/15/2005	1015.43
MW02-12	Dayton Street	Storm Sewer Backfill Monitoring Well	1574524.35	660138.19	9/15/2005	1012.54
MW02-13	Omar Circle	Upper Cedarville Aquifer Monitoring Well	1574299.35	658737.28	9/15/2005	1015.27
MW02-14	WS College Street	Upper Cedarville Aquifer Monitoring Well	1574410.26	658442.67	9/15/2005	1015.08
MW02-14CD	WS College Street	Middle Cedarville Aquifer Monitoring Well	1574415.75	658442.24	9/15/2005	1015.26
MW02-15	Green Street	Upper Cedarville Aquifer Monitoring Well	1575453.08	659985.80	9/15/2005	1010.40
MW02-15CD	Green Street	Middle Cedarville Aquifer Monitoring Well	1575454.52	659997.01	9/15/2005	1010.21
MW02-16	WN College Street	Upper Cedarville Aquifer Monitoring Well	1575381.72	659241.43	9/15/2005	1012.32
MW02-16CD	WN College Street	Middle Cedarville Aquifer Monitoring Well	1575382.33	659253.29	9/15/2005	1012.62
MW02-17	825 Dayton Street	Upper Cedarville Aquifer Monitoring Well	1574291.65	659932.56	9/15/2005	1015.21
MW02-17CD	825 Dayton Street	Middle Cedarville Aquifer Monitoring Well	1574299.59	659930.77	9/15/2005	1015.24
MW02-18	Omar Circle	Upper Cedarville Aquifer Monitoring Well	1573925.76	658789.07	9/15/2005	1016.35
MW02-18CD	Omar Circle	Middle Cedarville Aquifer Monitoring Well	1573939.13	658788.13	9/15/2005	1016.36
RW01-05	Vernay Plant 2/3 Facility	Upper Cedarville Aquifer Remediation Observation Well	1573657.28	659499.33	9/15/2005	1019.23
STW01-01	Vernay Plant 2/3 Facility	Storm Sewer Backfill Remediation Injection Well	1573942.88	659841.46	9/15/2005	1015.14
STW01-02	Vernay Plant 2/3 Facility	Storm Sewer Backfill Remediation Injection Well	1573939.07	659739.01	9/15/2005	1015.49
STW01-03	Vernay Plant 2/3 Facility	Storm Sewer Backfill Remediation Injection Well	1573929.58	659627.17	9/15/2005	1016.02
STW01-04	Vernay Plant 2/3 Facility	Storm Sewer Backfill Remediation Injection Well	1573925.73	659518.21	9/15/2005	1015.93
STW01-05	Vernay Plant 2/3 Facility	Storm Sewer Backfill Remediation Injection Well	1573911.24	659416.14	9/15/2005	1016.71
STW01-06	Vernay Plant 2/3 Facility	Storm Sewer Backfill Remediation Injection Well	1573901.84	659314.78	9/15/2005	1016.47
STW01-07	Vernay Plant 2/3 Facility	Storm Sewer Backfill Remediation Injection Well	1573845.30	659250.23	9/15/2005	1017.03

ID = Identification

msl = mean sea level

State plane coordinates from Woolpert Surveying LLP, Dayton, Ohio (NAD83/NAVD88)



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Yellow Springs, Ohio

Project No. 0292.11.26

TABLE 2: Ground Water Capture Treatment System (GWCTS) Sampling Results - Detected VOCs (µg/L)

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Acetone	Freon-113
CW01-01	11/15/1999	130	34	2.7	< 5	< 5	< 50	
	11/17/1999	170	39	< 4.2	< 8.3	< 8.3	< 83	
	11/19/1999	260	47	< 5	< 10	< 10	< 100	
	3/22/2000	55	13	< 5	< 5	< 10	< 50	49 tic
	3/28/2000	300	44	< 5	< 5	< 10	< 50	250 tic
	4/4/2000	340	34	< 5	< 5	< 10	< 50	< 5
	4/11/2000	690	60	< 5	< 5	< 10	< 50	< 5
	4/19/2000	890	59	< 5	< 5	< 10	< 50	570 tic
	5/3/2000	910	53	< 25	< 25	< 50	< 250	470 tic
	6/8/2000	1300	63	5	< 5	< 10	< 50	1300 tic
	7/11/2000	1700	68	6	< 5	< 10	< 50	1600 tic
	8/4/2000	1700	48	5	< 5	< 10	79	2800 tic
	9/18/2000	1300	77	12	< 5	< 10	< 50	790 tic
	10/11/2000	2100	72	11	< 5	< 10	< 50	940 tic
	11/3/2000	1500	61	11	< 5	< 10	< 50	1500 tic
	11/22/2000	180	120	540	< 5	< 10	< 50	< 5
	12/14/2000	2700	82	< 25	< 25	< 50	< 250	1100 tic
	1/10/2001	1700	91	14	< 5	< 10	< 50	630 tic
	2/7/2001	1900	81	16	< 5	< 10	< 50	520 tic
	3/9/2001	1300	81	19	< 5	< 10	< 50	480 tic
	4/11/2001	1400	69	17	< 5	< 10	< 50	640 tic
	5/3/2001	1600	68	14	< 5	< 10	< 50	1200 tic
	7/11/2001	1600	74	18	< 5	< 10	< 50	730 tic
	8/3/2001	1400	74	17 J	< 25	< 50	< 250	690 tic
	9/11/2001	1400	65	16	< 5	< 10	< 50	660 tic
	10/12/2001	1400	68	17	< 5	< 10	< 50	920 tic
	11/20/2001	980	56	14	< 5	< 10	< 50	1100 tic
	12/13/2001	1300	69	17	< 5	< 10	< 50	840 tic
	1/3/2002	1000	59	14	< 5	< 10	< 50	980 tic
	2/7/2002	1200	61	14	< 5	< 10	< 50	660 tic
	3/11/2002	1200	69	23	< 5	< 10	< 50	930 tic
	4/3/2002	970	51	13	< 5	< 10	< 50	950 tic
	5/16/2002	1900	48	14	< 5	< 10	< 50	1700 tic
	6/12/2002	1100	52	17	< 5	< 10	< 50	690 tic
	6/28/2002	1100	55	16	< 5	< 10	< 50	780 tic
	7/12/2002	1400	53	15	< 5	< 10	< 50	1100 tic
	8/8/2002	1000	46	15	< 5	< 10	< 50	710 tic
	9/5/2002	1200	60	17	< 5	< 10	< 50	720 tic
	10/4/2002	< 1300	61	16	< 5	< 10	< 50	1600 tic
	11/6/2002	1100	56	15	< 5	< 10	< 50	730 tic
	12/6/2002	1000	61	17	< 5	< 10	< 50	510 tic
	1/16/2003	990	56	15	< 5	< 10	< 50	600 tic
	2/5/2003	1100	59	16	< 5	< 10	< 50	550 tic
	3/4/2003	18	< 5	< 5	< 5	< 10	< 50	9 tic
	4/4/2003	970	51	19	< 5	< 10	< 50	510 tic
	5/7/2003	1100	53	13	< 5	< 10	< 50	760 tic
	6/2/2003	1000	50	15	< 5	< 10	< 50	790 tic
	7/10/2003	960	49	16	< 5	< 10	< 50	670 tic
	8/1/2003	970	39	11	< 5	< 10	< 50	440 tic
	9/15/2003	< 1100	< 36	< 10	< 5	< 10	< 50	< 800
	10/7/2003	890	46	13	< 5	< 10	< 50	820 tic
	11/4/2003	790	42	13	< 5	< 10	< 50	720 tic
	12/4/2003	770	47	14	< 5	< 10	< 50	780 tic
	1/13/2004	860	43	12	< 5	< 10	< 50	620 tic
	2/17/2004	840	42	12	< 5	< 10	< 50	570 tic
	3/10/2004	730	42	12	< 5	< 10	< 50	610 tic
	4/7/2004	760	43	14	< 5	< 10	< 50	580 tic
	5/5/2004	680	41	12	< 5	< 10	< 50	560 tic
	6/8/2004	690	39	11	< 5	< 10	< 50	740 tic
	7/12/2004	640	36	10	< 5	< 10	< 50	470 tic



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TABLE 2: Ground Water Capture Treatment System (GWCTS) Sampling Results - Detected VOCs (µg/L)

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Acetone	Freon-113
CW01-01	8/6/2004	640	34	10	< 5	< 10	< 50	600 tic
	9/8/2004	790	42	13	< 5	< 10	< 50	490 tic
	10/12/2004	800	35	12	< 5	< 10	< 50	340 tic
	11/10/2004	460	35	11	< 5	< 10	< 50	< 5
	12/10/2004	650	35	11	< 5	< 10	< 50	590 tic
	1/12/2005	810	44	13	< 5	< 10	< 50	< 5
	2/8/2005	670	40	12	< 5	< 10	< 50	350 tic
	3/14/2005	640	39	< 25	< 25	< 25	< 250	460
	4/12/2005	650	36	< 25	< 25	< 25	< 250	590
	5/2/2005	730	37	< 31	< 31	< 31	< 310	640
	6/3/2005	760	40	< 28	< 28	< 28	< 280	690
	7/14/2005	610	36	< 33	< 33	< 33	< 330	560
	8/22/2005	670	< 50	< 50	< 50	97	< 500	610
	9/15/2005	630	34	< 33	< 33	< 33	< 330	560
	1/22/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
CW01-02	2/5/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/4/2003	9	< 5	< 5	< 5	< 10	< 50	< 5
	5/7/2003	12	< 5	< 5	< 5	< 10	< 50	< 5
	6/2/2003	18	< 5	< 5	< 5	< 10	< 50	< 5
	7/10/2003	20	< 5	< 5	< 5	< 10	< 50	< 5
	8/1/2003	27	< 5	< 5	< 5	< 10	< 50	< 5
	9/15/2003	< 28	< 5	< 5	< 5	< 10	< 50	< 5
	10/7/2003	29	< 5	< 5	< 5	< 10	< 50	< 5
	11/4/2003	34	< 5	< 5	< 5	< 10	< 50	< 5
	12/4/2003	41	< 5	< 5	< 5	< 10	< 50	< 5
	1/13/2004	43	< 5	< 5	< 5	< 10	< 50	< 5
	2/17/2004	48	< 5	< 5	< 5	< 10	< 50	< 5
	3/10/2004	57	< 5	< 5	< 5	< 10	< 50	< 5
	4/7/2004	67	< 5	< 5	< 5	< 10	< 50	< 5
	5/5/2004	63	< 5	< 5	< 5	< 10	< 50	< 5
	6/8/2004	70 tic	< 5	< 5	< 5	< 10	< 50	< 5
	7/12/2004	68	< 5	< 5	< 5	< 10	< 50	< 5
	8/6/2004	69	< 5	< 5	< 5	< 10	< 50	< 5
	9/8/2004	94	< 5	< 5	< 5	< 10	< 50	< 5
	10/12/2004	94	< 5	< 5	< 5	< 10	< 50	< 5
	11/10/2004	85	< 5	< 5	< 5	< 10	< 50	< 5
	12/10/2004	87	< 5	< 5	< 5	< 10	< 50	< 5
	1/12/2005	99	< 5	< 5	< 5	< 10	< 50	< 5
	2/8/2005	86	< 5	< 5	< 5	< 10	< 50	< 5
	3/14/2005	66	< 5	< 5	< 5	< 5	< 50	< 5
	4/12/2005	63	< 5	< 5	< 5	< 5	< 50	< 5
	5/2/2005	73	< 5	< 5	< 5	< 5	< 50	< 5
	6/3/2005	70	< 5	< 5	< 5	< 5	< 50	< 5
	7/14/2005	90	< 5	< 5	< 5	< 5	< 50	< 5
	8/22/2005	76	< 5	< 5	< 5	14	84	< 5
	9/15/2005	70	< 5	< 5	< 5	< 5	< 50	< 5
GWCTS-POST PRIMARY	3/22/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/28/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/4/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/11/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/19/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/3/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/8/2000	< 5	< 5	< 5	< 5	< 10	< 50	30 tic
	7/11/2000	< 5	< 5	< 5	< 5	< 10	< 50	170 tic
	8/4/2000	< 5	< 5	< 5	< 5	< 10	< 50	170 tic
	9/18/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/11/2000	< 5	< 5	< 5	< 5	< 10	< 50	89
	11/3/2000	< 5	< 5	< 5	< 5	< 10	< 50	92 tic
	12/14/2000	< 5	< 5	< 5	< 5	11	< 50	120 tic
	1/10/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/7/2001	< 5	< 5	< 5	< 5	< 10	< 50	140 tic
	3/9/2001	< 5	< 5	< 5	< 5	< 10	< 50	150 tic
	4/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	180 tic
	5/3/2001	< 5	< 5	< 5	< 5	< 10	< 50	380 tic
	7/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5



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TABLE 2: Ground Water Capture Treatment System (GWCTS) Sampling Results - Detected VOCs (µg/L)

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Acetone	Freon-113
GWCTS-POST PRIMARY	8/3/2001	< 5	< 5	9	5	< 10	< 50	390 tic
	9/11/2001	< 5	< 5	15	7	< 10	< 50	660 tic
	10/12/2001	< 5	< 5	< 5	< 5	< 10	< 50	150 tic
	11/20/2001	< 5	< 5	< 5	< 5	< 10	< 50	430 tic
	12/13/2001	< 5	< 5	< 5	< 5	< 10	< 50	400 tic
	1/3/2002	< 5	< 5	< 5	< 5	< 10	< 50	620 tic
	2/7/2002	< 5	< 5	< 5	6	< 10	< 50	520 tic
	3/11/2002	< 5	< 5	< 5	6	< 10	< 50	820 tic
	4/3/2002	< 5	< 5	< 5	6	< 10	< 50	1100 tic
	5/16/2002	< 5	< 5	9	6	< 10	< 50	1500 tic
	6/12/2002	< 5	< 5	15	6	< 10	< 50	970 tic
	6/28/2002	< 5	< 5	20	6	< 10	< 50	1100 tic
	7/12/2002	< 5	< 5	< 5	< 5	< 10	< 50	53 tic
	8/8/2002	< 5	< 5	< 5	< 5	< 10	< 50	50 tic
	9/5/2002	< 5	< 5	< 5	< 5	< 10	< 50	81 tic
	10/4/2002	< 5	< 5	< 5	< 5	< 10	< 50	280 tic
	11/6/2002	< 5	< 5	< 5	< 5	< 10	< 50	270 tic
	12/6/2002	< 5	< 5	< 5	< 5	< 10	< 50	320 tic
	1/16/2003	< 5	< 5	< 5	< 5	< 10	< 50	480 tic
	2/5/2003	< 5	< 5	< 5	< 5	< 10	< 50	560 tic
	3/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	670 tic
	4/4/2003	< 5	< 5	7	< 5	< 10	< 50	460 tic
	5/7/2003	8	< 5	10	< 5	< 10	< 50	640 tic
	6/2/2003	74	< 5	< 5	< 5	< 10	< 50	410 tic
	7/10/2003	< 5	< 5	< 5	< 5	< 10	< 50	480 tic
	8/1/2003	< 5	< 5	< 5	< 5	< 10	< 50	460 tic
	9/15/2003	< 5	< 5	< 10	< 5	< 10	< 50	< 870
	10/7/2003	< 5	< 5	12	< 5	< 10	< 50	630 tic
	11/4/2003	10	6	14	< 5	< 10	< 50	570 tic
	12/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	240 tic
	1/13/2004	< 5	< 5	< 5	< 5	< 10	< 50	490 tic
	2/17/2004	< 5	< 5	< 5	< 5	< 10	< 50	520 tic
	3/10/2004	< 5	< 5	3 J	< 5	< 10	< 50	520 tic
	4/7/2004	< 5	< 5	6	< 5	< 10	< 50	510 tic
	5/5/2004	< 5	< 5	7	< 5	< 10	< 50	470 tic
	6/8/2004	< 5	< 5	< 5	< 5	< 10	< 50	250 tic
	7/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	280 tic
	8/6/2004	< 5	< 5	< 5	< 5	< 10	< 50	500 tic
	9/8/2004	< 5	< 5	< 5	< 5	< 10	< 50	420 tic
	10/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	280 tic
	11/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	390 tic
	12/10/2004	6	< 5	6	< 5	< 10	< 50	580 tic
	1/12/2005	19	6	10	< 5	< 10	< 50	300 tic
	2/8/2005	24	8	11	< 5	< 10	< 50	260 tic
	3/14/2005	32	< 17	< 17	< 17	< 17	< 170	490
	4/12/2005	49	< 25	< 25	< 25	< 25	< 250	540
	5/2/2005	61	18	< 17	< 17	< 17	< 170	550
	6/3/2005	< 5	< 5	< 5	< 5	< 5	< 50	70
	7/14/2005	< 5	< 5	< 5	< 5	< 5	< 50	190
	8/22/2005	< 10	< 10	< 10	< 10	25	< 100	400
	9/15/2005	< 5	< 5	< 5	< 5	< 5	< 50	390 E
GWCTS-EFFLUENT	4/19/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/22/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/14/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/10/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/7/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/9/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	11 tic
	5/3/2001	< 5	< 5	< 5	< 5	< 10	< 50	18 tic
	7/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	42 tic
	8/3/2001	< 5	< 5	< 5	< 5	< 10	< 50	51 tic
	9/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	89 tic
	10/5/2001	< 5	< 5	< 5	< 5	< 10	< 50	110 tic
	10/12/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/20/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/13/2001	< 5	< 5	< 5	< 5	< 10	< 50	370 tic



The Payne Firm, Inc.

TABLE 2: Ground Water Capture Treatment System (GWCTS) Sampling Results - Detected VOCs (µg/L)

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Acetone	Freon-113
GWCTS-EFFLUENT	1/3/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/7/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/11/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/3/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/16/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/12/2002	< 5	< 5	15	6	< 10	< 50	960 tic
	6/28/2002	< 5	< 5	< 5	< 5	< 10	< 50	49 tic
	7/12/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/8/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/5/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/4/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/6/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/6/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/16/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/5/2003	< 5	< 5	< 5	< 5	< 10	< 50	11 tic
	3/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	7 tic
	4/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	150 tic
	5/7/2003	< 5	< 5	< 5	< 5	< 10	< 50	340 tic
	6/2/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/10/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/1/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/15/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 140
	10/7/2003	< 5	< 5	< 5	< 5	< 10	< 50	170 tic
	11/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	200 tic
	12/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/13/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/17/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	25 tic
	4/7/2004	< 5	< 5	< 5	< 5	< 10	< 50	640 tic
	5/5/2004	< 5	< 5	< 5	< 5	< 10	< 50	120 tic
	6/8/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/6/2004	< 5	< 5	< 5	< 5	< 10	< 50	34 tic
	9/8/2004	< 5	< 5	< 5	< 5	< 10	< 50	120 tic
	10/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	140 tic
	11/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	260 tic
	12/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	330 tic
	1/12/2005	< 5	< 5	< 5	< 5	< 10	< 50	230 tic
	2/8/2005	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/14/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	4/12/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	5/2/2005	< 5	< 5	< 5	< 5	< 5	< 50	16
	6/3/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	7/14/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	8/22/2005	< 5	< 5	< 5	< 5	9.5	120	< 5
	9/15/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5

VOC = Volatile organic compound

µg/L = micrograms per liter

tic = tentative identified compound



The Payne Firm, Inc.

Vernay Laboratories, Inc.

Yellow Springs, Ohio

Project No. 0292.11.26

TABLE 3: Utility Tunnel Sump Water Treatment System (UTSWTS) Sampling Results - Detected VOCs (µg/L)

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Acetone	Freon-113
UTSWTS-INFLUENT	10/11/2000	120	130	660	< 5	< 10	< 50	< 5
	12/14/2000	170	140	710	< 5	< 10	68	17 tic
	1/10/2001	150	96	330	< 5	< 10	< 50	< 5
	2/7/2001	55	36	190	< 5	< 10	330	< 5
	3/9/2001	17	11	30	< 5	< 10	120	< 5
	4/11/2001	37	32	130	< 5	< 10	< 50	< 5
	5/3/2001	15	12	26	< 5	< 10	< 50	< 5
	7/11/2001	6	7	28	< 5	< 10	< 50	< 5
	8/3/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/12/2001	< 5	< 5	72	< 5	< 10	< 50	< 5
	11/20/2001	5	5	36	< 5	< 10	< 50	< 5
	12/13/2001	5	6	14	< 5	< 10	< 50	< 5
	1/3/2002	6	7	< 5	< 5	< 10	< 50	< 5
	2/7/2002	< 5	7	< 5	< 5	< 10	< 50	< 5
	3/11/2002	< 5	6	< 5	< 5	< 10	1400	< 5
	4/3/2002	5	7	< 5	< 5	< 10	< 50	< 5
	5/16/2002	< 5	6	< 5	< 5	< 10	< 50	< 5
	6/12/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/12/2002	< 5	9	< 5	< 5	< 10	< 50	< 5
	8/8/2002	11	15	330	< 5	< 10	< 50	< 5
	9/5/2002	29	33	390	< 5	< 10	< 50	< 5
	10/4/2002	16	16	410	< 5	< 10	< 50	< 5
	11/6/2002	22	22	800	< 5	< 10	< 50	< 5
	12/6/2002	13	14	470	< 5	< 10	< 50	< 5
	1/16/2003	< 5	< 5	35	< 5	< 10	< 50	< 5
	2/5/2003	7	6	58	< 5	< 10	< 50	< 5
	3/4/2003	< 5	< 5	25	< 5	< 10	< 50	< 5
	4/4/2003	< 5	6	33	< 5	< 10	< 50	< 5
	5/7/2003	11	12	240	< 5	< 10	< 50	< 5
	6/2/2003	5	6	65	< 5	< 10	< 50	< 5
	7/10/2003	< 5	< 5	36	< 5	< 10	< 50	< 5
	8/1/2003	< 5	6	62	< 5	< 10	< 50	< 5
	9/15/2003	< 15	< 26	< 230	< 5	< 10	< 50	< 5
	10/7/2003	14	22	170	< 5	< 10	< 50	< 5
	11/4/2003	25	27	210	< 5	< 10	< 50	< 5
	12/4/2003	15	17	98	< 5	< 10	< 50	< 5
	1/13/2004	11	18	110	< 5	< 10	< 50	< 5
	2/6/2004	15	24	110	< 5	< 10	< 50	< 5
	3/10/2004	17	25	160	< 5	< 10	< 50	< 5
	4/7/2004	13	21	150	< 5	< 10	< 50	< 5
	5/5/2004	11	16	80	< 5	< 10	100	< 5
	6/8/2004	12	20	130	< 5	< 10	130	< 5
	7/12/2004	58	68	250	< 5	< 10	< 50	< 5
	8/6/2004	60	53	310	< 5	< 10	< 50	< 5
	9/8/2004	120	110	300	< 5	< 10	< 50	< 5
	10/12/2004	170	100	320	< 5	< 10	< 50	< 5
	11/10/2004	150	75	380	< 5	< 10	< 50	< 5
	12/10/2004	94	37	290	< 5	< 10	< 50	< 5
	1/12/2005	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/8/2005	30	19	130	< 5	< 10	< 50	< 5
	3/14/2005	19	27	200	< 5	< 5	< 50	< 5
	4/12/2005	13	21	120	< 5	< 5	< 50	< 5
	5/2/2005	13	20	64	< 5	< 5	< 50	< 5
	6/3/2005	28	56	170	< 5	< 5	< 50	< 5
	7/14/2005	76	84	250	< 10	< 10	< 100	< 10
	8/22/2005	120	89	250	< 10	24	< 100	< 10
	9/15/2005	98	76	240	< 10	< 10	< 100	< 10



The Payne Firm, Inc.

TABLE 3: Utility Tunnel Sump Water Treatment System (UTSWTS) Sampling Results - Detected VOCs (µg/L)

Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Acetone	Freon-113
UTSWTS-INTERMEDIATE	2/7/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/11/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/3/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/16/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/12/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/12/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/8/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/5/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/4/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/6/2002	< 5	< 5	5	< 5	< 10	< 50	< 5
	12/6/2002	< 5	< 5	11	< 5	< 10	< 50	< 5
	1/16/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/5/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/7/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/2/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/10/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/1/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/15/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/7/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/13/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/6/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/7/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/5/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/8/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/6/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/8/2004	< 5	< 5	7	< 5	< 10	< 50	< 5
	10/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/12/2005	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/8/2005	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/14/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	4/12/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	5/2/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	6/3/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	7/14/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	8/22/2005	< 5	< 5	< 5	< 5	10	110	< 5
	9/15/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
UTSWTS-EFFLUENT	10/11/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/14/2000	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/10/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/7/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/9/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/3/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/11/2001	< 5	< 5	7	< 5	< 10	< 50	390 tic
	7/25/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/3/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/11/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/12/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/20/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/13/2001	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/3/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/7/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/11/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5



The Payne Firm, Inc.

TABLE 3: Utility Tunnel Sump Water Treatment System (UTSWTS) Sampling Results - Detected VOCs (µg/L)

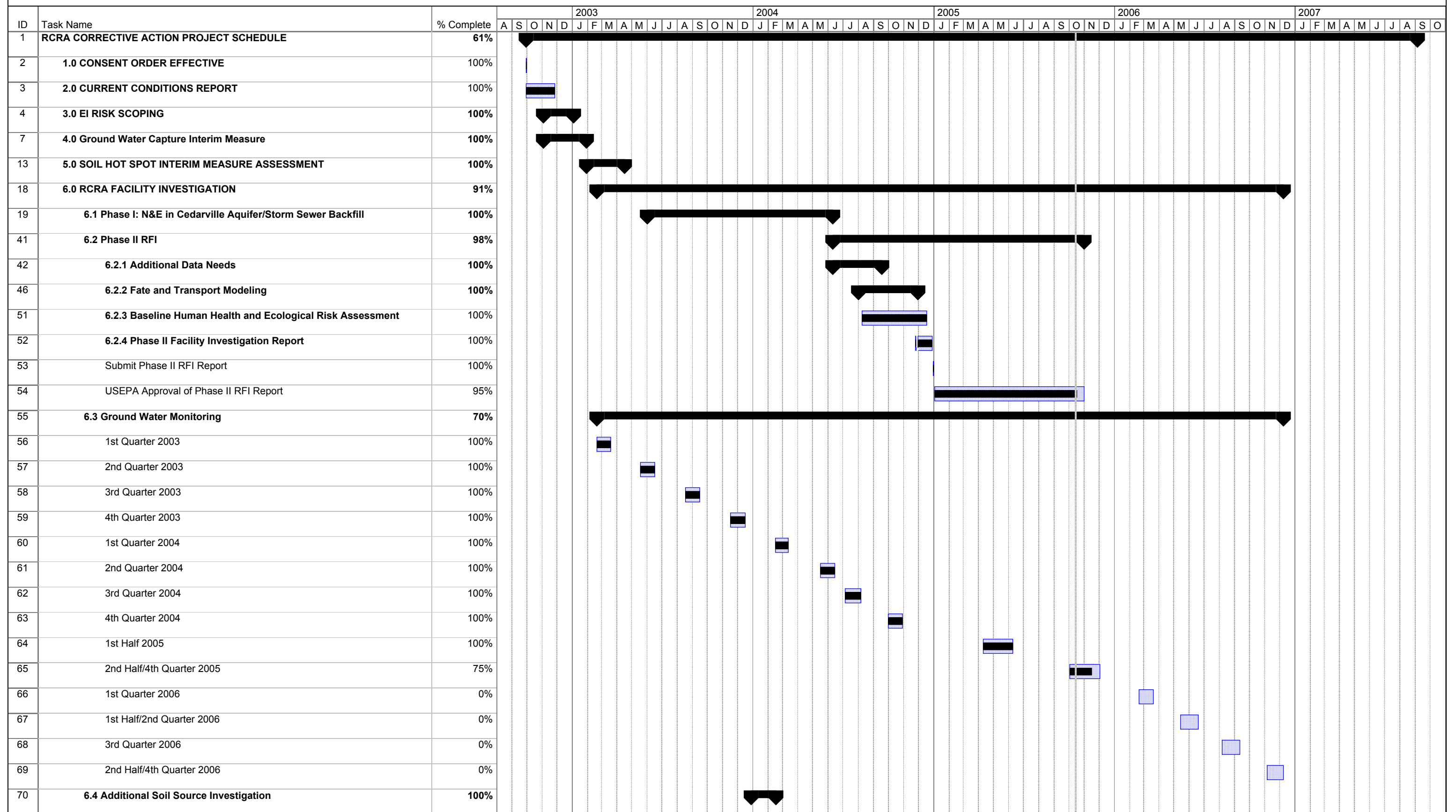
Sample Location	Sample Date	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Acetone	Freon-113
	4/3/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
UTSWTS-EFFLUENT	5/16/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/12/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/12/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/8/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/5/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/4/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/6/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/6/2002	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/16/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/5/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/7/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/2/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/10/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/1/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/15/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/7/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/4/2003	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/13/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/6/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	4/7/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	5/5/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	6/8/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	7/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	8/6/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	9/8/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	10/12/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	11/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	12/10/2004	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	1/12/2005	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	2/8/2005	< 5	< 5	< 5	< 5	< 10	< 50	< 5
	3/14/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	4/12/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	5/2/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	6/3/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	7/14/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5
	8/22/2005	< 5	< 5	< 5	< 5	8.5	82	< 5
	9/15/2005	< 5	< 5	< 5	< 5	< 5	< 50	< 5

VOC = Volatile organic compound
µg/L = micrograms per liter
tic = tentative identified compound

Vernay Laboratories, Inc.
Project No. 0292.11.26
October 14, 2005

RCRA CORRECTIVE ACTION PROJECT SCHEDULE Through Q3, 2005

Task	Start Date	End Date	Duration (Days)	Dependencies
Task 1: Initial Planning	2023-01-01	2023-01-15	15	
Task 2: Requirement Gathering	2023-01-15	2023-02-01	17	Task 1
Task 3: System Design	2023-02-01	2023-02-28	28	Task 2
Task 4: Development	2023-02-28	2023-04-15	48	Task 3
Task 5: Testing	2023-04-15	2023-05-01	17	Task 4
Task 6: Deployment	2023-05-01	2023-05-15	15	Task 5



Time frames are estimates and are dependent on the U.S. EPA

RCRA CORRECTIVE ACTION PROJECT SCHEDULE
Through Q3, 2005

Table 4: Project Schedule

ID	Task Name	% Complete	2003					2004					2005					2006					2007																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
74	6.5 EI Risk Data Needs	100%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	