

TABLE 1
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Inorganic Soil-Quality Results from 1989 NUS Corporation Site Investigation
Completed on Behalf of United States Environmental Protection Agency

Sample Location	Sample Interval (feet below grade)		Date Analyzed	Antimony (mg/kg)	Arsenic (mg/kg)	Cobalt (mg/kg)	Zinc (mg/kg)	Vanadium (mg/kg)	Nickel (mg/kg)	Mercury (mg/kg)	Manganese (mg/kg)	Lead (mg/kg)	Copper (mg/kg)	Chromium (mg/kg)	Iron (mg/kg)	Barium (mg/kg)
NU03	0	0.5	11/18/89	4.4	8.9	13.9	53	45	21	NR	312	18	37	22	NT	81
NU03 R/D	0	0.5	11/18/89	7.4	11.7	13.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NU04	0	0.5	11/18/89	16.2	11.3	9	2,850	34	72.8	3.2	2,660	1,610	1,720	133	33,100	458
NU05	0	0.5	11/18/89	4.4	2	9	97	39	14	0.14	377	315	72.5	16	NT	56
NU06	0	0.5	11/18/89	5.1	6.5	5	110	37	15	0.25	228	573	108	10	NT	75
NU07	0	0.5	11/18/89	NR	18.5	6	84	40	14	0.69	355	113	98.7	19	NT	87
NU08	0	0.5	11/18/89	5.1	4.1	8	82	31	14	0.12	5920	138	63.6	10	NT	74
NU09	0	0.5	11/18/89	NT	2	5	132	34	10	0.11	307	366	71.3	11	NT	41
NU10	0	0.5	11/18/89	NT	1	6	22	28	8	NR	306	13	11	8	NT	41
NU11	0	0.5	11/18/89	5.2	3	5	102	28	11	0.1	439	396	51.7	16	NT	59
NU12	0	0.5	11/18/89	66.4	3	6	1,170	30	28.5	2.2	1,470	56,000	810	47.8	NT	164
CTDEP RSRs Residential Direct Exposure Criteria				27	10	NE	20,000	470	1,400	20	NE	400 ^L	2,500	NE	NE	4,700
CTDEP RSRs Industrial/Commercial Direct Exposure Criteria				8,200	10	NE	610,000	14,000	7,500	610	NE	1,000	76,000	NE	NE	140,000

NT Not tested
NE Standard not established
CTDEP Connecticut Department of Environmental Protection
RSRS Remediation Standard Regulations
^L/ Site-specific criteria, actual RDEC is 400 mg/kg.

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 2

**HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT**

**Summary of Volatile Organic Compound Soil-Quality Results from
1989 NUS Corporation Site Investigation Completed
on Behalf of United States Environmental Protection Agency**

Sample Location	Sample Interval (feet below grade)		Date Analyzed	1,1,1-Trichloroethane (mg/kg)	1,1,2,2-Tetrachloroethane (mg/kg)	Chloroform (mg/kg)	Tetrachloroethene (mg/kg)
NU03	0	0.5	11/18/89	ND	ND	ND	ND
NU04	0	0.5	11/18/89	N	ND	ND	ND
NU05	0	0.5	11/18/89	ND	ND	ND	ND
NU06	0	0.5	11/18/89	ND	ND	0.002	ND
NU07	0	0.5	11/18/89	ND	ND	0.002	ND
NU08	0	0.5	11/18/89	0.012	0.006	ND	ND
NU09	0	0.5	11/18/89	ND	ND	ND	ND
NU10	0	0.5	11/18/89	0.019	ND	ND	0.009
NU11	0	0.5	11/18/89	0.024	ND	ND	0.013
NU12	0	0.5	11/18/89	ND	ND	0.002	0.003
CTDEP RSRs GA/GAA PMC				4	0.02	0.12	0.1
CTDEP RSRs GB PMC or 10 Times GA PMC				40	0.2	1.2	1
CTDEP RSRs Residential Direct Exposure Criteria				500	24	100	12
CTDEP RSRs Industrial/Commercial Direct Exposure Criteria				1,000	220	940	110

PMC Pollutant Mobility Criteria
 DEC Direct Exposure Criteria
 CTDEP Connecticut Department of Environmental Protection
 RSRs Remediation Standard Regulations
 ND Not Detected
 NE Criteria not established

TABLE 3

HISTORICAL SAMPLE RESULTS
 HAMDEN MIDDLE SCHOOL
 HAMDEN, CONNECTICUT

Summary of Soil Quality Results from 1991 Roy F. Weston
 Environmental Site Investigation Completed
 on Behalf of United States Environmental Protection Agency

Sample Location	Sample Interval (feet below grade)		Date Analyzed	VOCs	SVOCs (BNAs)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Iron (mg/kg)
S001	0	0.25	8/13/91	ND	ND	ND	220	ND	ND	NA
S002	0	0.25	8/13/91	ND	ND	ND	ND<50	ND	ND	NA
S003	0	0.25	8/13/91	ND	ND	ND	ND<50	ND	ND	NA
S004	0	0.25	8/13/91	ND	ND	ND	ND<50	ND	ND	NA
S005	0	0.25	8/13/91	ND	ND	ND	ND<50	ND	ND	NA
S006	0	0.25	8/13/91	ND	ND	300	400	NA	200	NA
S007	0	0.25	8/13/91	ND	ND	ND	1,600	15.5	ND	NA
S008	0	0.25	8/13/91	ND	ND	ND	NA	7.7	ND	1450
S009	0	0.25	8/13/91	ND	ND	ND	ND<50	16.9	ND	NA
S010	0	0.25	8/13/91	ND	ND	ND	ND<50	ND	ND	NA
S011	0	0.25	8/13/91	ND	ND	ND	100	ND	ND	NA
S012	0	0.25	8/13/91	ND	ND	ND	250	ND	ND	NA
S013	0	0.25	8/13/91	ND	ND	ND	220	ND	ND	NA
S014	0	0.25	8/13/91	ND	ND	ND	125	ND	ND	NA
S015	0	0.25	8/13/91	ND	ND	ND	ND<50	ND	ND	NA
S016	0	0.25	8/13/91	ND	ND	ND	800	ND	ND	NA
S017	0	0.25	8/13/91	ND	ND	ND	ND	ND	ND	NA
S018	0	0.25	8/13/91	ND	ND	ND	800	ND	ND	NA
S019	0	0.25	8/13/91	ND	ND	ND	830	ND	ND	NA
S020	0	0.25	8/13/91	ND	ND	ND	650	ND	ND	NA
CTDEP RSRs GA/GAA Pollutant Mobility Criteria				NA	NA	NE	NE	NE	NE	NE
CTDEP RSRs Residential Direct Exposure Criteria				NA	NA	NE	400 ^{1/2}	20	1,400	NE
CTDEP RSRs Industrial/Commercial Direct Exposure Criteria				NA	NA	NE	1,000	610	7,500	NE

SVOCs Semi-Volatile Organic Compounds
 BNAs Base Neutral Acids
 VOCs Volatile Organic Compounds
 CTDEP Connecticut Department of Environmental Protection
 RSRS Remediation Standard Regulations
 NA Not Applicable or Not Analyzed
 NE Criteria not established
 1/ Site-specific criteria, actual RDEC is 400 mg/kg.

TABLE 4

**HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT**

**Summary of Soil Quality Results from 1993 HRP Environmental Site Investigation
Completed on Behalf of Town of Hamden**

Sample Location	Sample Interval (feet below grade)		Date Analyzed	Lead (mg/kg)
HRP1	0	0.5	4/12/93	387
HRP2	0	0.5	4/12/93	216
HRP3	0	0.5	4/12/93	4,855
HRP4	0	0.5	4/12/93	138
HRP5	0	0.5	4/12/93	31
HRP6	0	0.5	4/12/93	78
HRP7	0	0.5	4/12/93	16
HRP8	0	0.5	4/12/93	149
HRP9	0	0.5	4/12/93	58
HRP10	0	0.5	4/12/93	499
HRP11	0	0.5	4/12/93	29
HRP12	0	0.5	4/12/93	92
HRP13	0	0.5	4/12/93	44
HRP14	0	0.5	4/12/93	163
HRP15	0	0.5	4/12/93	532
HRP16	0	0.5	4/12/93	1,096
HRP17	0	0.5	4/12/93	477
HRP18	0	0.5	4/12/93	770
HRP19	0	0.5	4/12/93	117
HRP20	0	0.5	4/12/93	4
HRP21	0	0.5	4/12/93	3
HRP22	0	0.5	4/12/93	3
HRP23	0	0.5	4/12/93	606
HRP24	0	0.5	4/12/93	158
HRP25	0	0.5	4/12/93	13
HRP26	0	0.5	4/12/93	47
HRP27	0	0.5	4/12/93	14
HRP28	0	0.5	4/12/93	90
HRP29	0	0.5	4/12/93	617
HRP30	0	0.5	4/12/93	13
HRP31	0	0.5	4/12/93	880
HRP32	0	0.5	4/12/93	881
HRP33	0	0.5	4/12/93	13
HRP34	0	0.5	4/12/93	45
HRP35	0	0.5	4/12/93	14

TABLE 4
(continued)

HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Quality Results from 1993 HRP Environmental Site Investigation
Completed on Behalf of Town of Hamden

Sample Location	Sample Interval (feet below grade)		Date Analyzed	Lead (mg/kg)
HRP36	0	0.5	4/12/93	37
HRP37	0	0.5	4/12/93	17
HRP38	0	0.5	4/12/93	672
HRP39	0	0.5	4/12/93	15
HRP40	0	0.5	4/12/93	1,274
CTDEP RSRs Residential Direct Exposure Criteria				400
CTDEP RSRs Industrial/Commercial Direct Exposure Criteria				1,000

CTDEP Connecticut Department of Environmental Protection
RSRS Remediation Standard Regulations

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 5

HISTORICAL SAMPLE RESULTS
 HAMDEN MIDDLE SCHOOL
 HAMDEN, CONNECTICUT

Summary of Volatile Organic Compound Soil-Quality Results from
 2000 Facility Support Services Site Investigation Completed for Town of Hamden Board of Education

Sample Identification	Sample Interval (feet below grade)		Date Collected	1,2,4-Trimethylbenzene (ug/kg)	1,3,5-Trimethylbenzene (ug/kg)	4-Isopropyltoluene (ug/kg)	Ethylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Xylenes (ug/kg)	Naphthalene (ug/kg)	n-Propylbenzene (ug/kg)	sec-Butylbenzene (ug/kg)	tert-Butylbenzene (ug/kg)	Toluene (ug/kg)
B12	15	17	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B13	15	17	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B15	10	12	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B15	13	15	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B2	6	8	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B3	11	13	11/1/00	59	170	30	ND<5	ND<5	ND<5	34	ND<5	15	17	ND<5
B3	15	17	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B4	10	12	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B4	14	17	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B5	15.5	16	11/1/00	13	5.9	ND<5	ND<5	ND<5	ND<5	23	10	ND<5	ND<5	ND<5
B6	15	17	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B6	4	6	11/1/00	35	28	30	12	ND<5	45	37	ND<5	ND<5	ND<5	78
B7	15	17	11/1/00	1,300	1,200	580	11	45	134	420	90	230	ND<5	ND<5
B7	2	4	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
B8	5	10	11/1/00	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
CTDEP RSRs GA/GAA Pollutant Mobility Criteria				7,000	7,000	600	10,100	600	19,500	5,600	1,400	1,400	1,400	20,000
CTDEP RSRs Residential Direct Exposure Criteria				500,000	500,000	500,000	500,000	500,000	500,000	1,000,000	500,000	500,000	500,000	500,000

ND<5 Not detected above noted laboratory detection limit
 CTDEP Connecticut Department of Environmental Protection
 RSRs Remediation Standard Regulations

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 6
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Volatile Organic Compound Soil-Quality Results from 2000 Facility Support Services Site Investigation
 Completed for Town of Hamden Board of Education

Sample ID	Sample Interval (feet below grade)		Date Collected	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo[a]anthracene (ug/kg)	Benzo[a]pyrene (ug/kg)	Benzo[b]fluoranthene (ug/kg)	Benzo[g,h,i]perylene (ug/kg)	Benzo[k]fluoranthene (ug/kg)	Chrysene (ug/kg)	Dibenz[a,h]anthracene (ug/kg)	Fluoranthene (ug/kg)	Fluorene (ug/kg)	Indeno[1,2,3-cd]pyrene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)
B1	4	6	11/1/00	ND<200	1,100	1,200	4,700	3,000	6,000	4,100	2,800	4,400	990	10,000	460	3,200	7,700	21,000
B12	15	17	11/1/00	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200
B15	10	12	11/1/00	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	1,300	ND<1000	ND<1000	1,300	ND<1000	3,000	ND<1000	ND<1000	2,200	2,100
B15	13	15	11/1/00	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200
B3	11	13	11/1/00	400	ND<200	1,300	3,700	2,500	4,700	1,200	2,700	3,900	300	11,000	780	1,300	6,900	13,000
B4	10	12	11/1/00	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200
B5	15.5	16	11/1/00	ND<200	ND<200	510	820	250	250	ND<200	210	1,800	ND<200	1,600	400	ND<200	3,600	600
B7	10	12	11/1/00	ND<200	ND<200	ND<200	300	370	580	ND<200	280	440	ND<200	520	ND<200	ND<200	590	820
B7	2	4	11/1/00	280	ND<200	450	1,500	1,200	2,000	1,100	990	1,500	ND<200	2,700	ND<200	930	2,100	5,000
CTDEP RSRs GA/GAA Pollutant Mobility Criteria				8,400	8,400	40,000	1,000	1,000	1,000	4,200	1,000	1,000	1,000	5,600	5,600	1,000	4,000	4,000
10 times GA Pollutant Mobility Criteria				84,000	84,000	400,000	10,000	10,000	10,000	42,000	10,000	10,000	10,000	56,000	56,000	10,000	40,000	40,000
CTDEP RSRs Residential Direct Exposure Criteria				1,000,000	1,000,000	1,000,000	1,000	1,000	1,000	1,000,000	8,400	84,000	1,000	1,000,000	1,000,000	1,000	1,000,000	1,000,000
CTDEP RSRs Industrial/Commercial Direct Exposure Criteria				2,500,000	2,500,000	2,500,000	7,800	1,000	7,800	2,500,000	78,000	780,000	1,000	2,500,000	2,500,000	7,800	2,500,000	2,500,000

ND<200 Not detected above note laboratory detection limit
 CTDEP Connecticut Department of Environmental Protection
 RSRs Remediation Standard Regulations

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 7
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Inorganic Soil-Quality Results from 2000 Facility Support Services Site Investigation
Completed for Town of Hamden Board of Education

Sample ID	Sample Interval (feet below grade)		Date Collected	Aluminum (mg/kg)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Calcium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Magnesium (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Potassium (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
B1	0	2	11/1/00	5,800	ND	2.2	57	1.5	860	10	4.1	180	140	110	1,500	0.25	6.9	290	ND<1	ND<2	ND<2	22	510
B2	0	2	11/1/00	NT	NT	2.5	43	ND<1	NT	17	NT	NT	NT	34	NT	ND<0.2	NT	NT	ND<1	ND	NT	NT	NT
B3	0	2	11/1/00	NT	NT	ND<2	32	ND<1	NT	6.8	NT	NT	NT	17	NT	ND<0.2	NT	NT	ND<1	ND<2	NT	NT	NT
B3	11	13	11/1/00	NT	NT	8.6	41	ND<1	NT	17	NT	NT	NT	380	NT	0.69	NT	NT	ND<1	ND<2	NT	NT	NT
B3	15	17	11/1/00	NT	NT	13	58	2.5	NT	39	NT	NT	NT	840	NT	0.48	NT	NT	ND<1	ND<2	NT	NT	NT
B3	2	4	11/1/00	NT	NT	28	49	1.6	NT	24	NT	NT	NT	360	NT	0.4	NT	NT	15	2	NT	NT	NT
B4	0	2	11/1/00	NT	NT	ND<2	28	ND<1	NT	10	NT	NT	NT	27	NT	ND<0.2	NT	NT	ND<1	ND<2	NT	NT	NT
B4	15	17	11/1/00	NT	NT	19	54	1.1	NT	61	NT	NT	NT	270	NT	1.6	NT	NT	ND<1	ND<2	NT	NT	NT
B4	2	4	11/1/00	NT	NT	ND<2	28	ND<1	NT	10	NT	NT	NT	27	NT	ND<0.2	NT	NT	ND<1	ND<2	NT	NT	NT
B5	15.5	16	11/1/00	NT	NT	57	81	1	NT	7.7	NT	NT	NT	140,000	NT	1.3	NT	NT	ND<1	2.1	NT	NT	NT
B5	2	4	11/1/00	NT	NT	5.3	120	2.4	NT	63	NT	NT	NT	320	NT	0.78	NT	NT	ND<1	ND<2	NT	NT	NT
B6	2	4	11/1/00	NT	NT	58	69	3.6	NT	140	NT	NT	NT	12,000	NT	1	NT	NT	1.9	ND<2	NT	NT	NT
B6	6	8	11/1/00	NT	NT	8.7	65	ND<1	NT	5	NT	NT	NT	29	NT	0.27	NT	NT	1.3	ND<2	NT	NT	NT
B7	0	2	11/1/00	6,100	15	6	480	2.9	4,200	30	3.7	640	18,000	2,300	1,100	2.1	23	3,100	ND<1	ND<2	3.6	17	1,500
B7	2	5	11/1/00	NT	NT	9.2	690	3.9	NT	64	NT	NT	NT	730	NT	0.93	NT	NT	ND<1	ND<2	NT	NT	NT
B8	0	2	11/1/00	NT	NT	ND<2	40	ND<1	NT	12	NT	NT	NT	27	NT	0.48	NT	NT	ND<1	ND<2	NT	NT	NT
B8	4	6	11/1/00	NT	NT	13	52	2.7	NT	34	NT	NT	NT	620	NT	0.46	NT	NT	ND<1	ND<2	NT	NT	NT
B8	5	10	11/1/00	3,700	87	35	110	2.1	3,200	43	6.4	2,100	27,000	700	870	1.9	45	310	ND<1	ND<2	8.5	6.9	800
B9	0	2	11/1/00	NT	NT	9.2	690	3.9	NT	64	NT	NT	NT	8	NT	ND<0.2	NT	NT	ND<1	ND<2	NT	NT	NT
B10	0	2	11/1/00	NT	NT	2.2	110	ND<1	NT	13	NT	NT	NT	180	NT	0.21	NT	NT	ND<1	ND<2	NT	NT	NT
B11	4	6	11/1/00	NT	NT	7.8	78	2.3	NT	33	NT	NT	NT	500	NT	1.4	NT	NT	ND<1	ND<2	NT	NT	NT
B11	6	8	11/1/00	NT	NT	8.4	86	2.2	NT	100	NT	NT	NT	1,000	NT	3	NT	NT	ND<1	ND<2	NT	NT	NT
B12	2	4	11/1/00	31	29	6.6	59	3.2	3,100	150	6	2,600	47,000	820	210	8.9	110	91	1.1	ND<2	14	8.6	3,500
B12	6	8	11/1/00	NT	NT	29	75	11	NT	18	NT	NT	NT	470	NT	70	NT	NT	10	ND<2	NT	NT	NT
B13	10	12	11/1/00	NT	NT	6.8	130	3.3	NT	82	NT	NT	NT	1,200	NT	5.1	NT	NT	ND<1	ND<2	NT	NT	NT

TABLE 7

LEGGETTE BRASHEARS & GRAHAM, INC

TABLE 7
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Inorganic Soil-Quality Results from 2000 Facility Support Services Site Investigation
 Completed for Town of Hamden Board of Education

Sample ID	Sample Interval (feet below grade)		Date Collected	Aluminum (mg/kg)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Calcium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Lead (mg/kg)	Magnesium (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Potassium (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
B13	2	5	11/1/00	4,200	22	7.3	130	3.1	11,000	44	5.1	4,000	23,000	1,400	2,000	1.3	41	470	ND<1	2.2	7.6	14	1,500
B14	0	2	11/1/00	NT	NT	ND<2	25	ND<1	NT	8	NT	NT	NT	8	NT	ND<0.2	NT	NT	ND<1	ND<2	NT	NT	NT
B14	5	10	11/1/00	NT	NT	8.2	120	7.4	NT	82	NT	NT	NT	600	NT	1.7	NT	NT	1.2	ND<2	NT	NT	NT
B15	10	12	11/1/00	NT	NT	8.7	70	3.5	NT	37	NT	NT	NT	310	NT	8.6	NT	NT	1.5	ND<2	NT	NT	NT
B15	13	15	11/1/00	NT	NT	ND<2	8.9	ND<1	NT	20	NT	NT	NT	13	NT	ND<0.2	NT	NT	ND<1	ND<2	NT	NT	NT
B15	4	6	11/1/00	NT	NT	2.9	260	1.6	NT	62	NT	NT	NT	270	NT	3.3	NT	NT	1	ND<2	NT	NT	NT
CTDEP RSRs GA/GAA Pollutant Mobility Criteria				NE	27	10	4,700	34	NE	NE	NE	2,500	NE	400	NE	20	1,400	NE	340	340	5.4	470	20,000
CTDEP RSRs Residential Direct Exposure Criteria				NE	8,200	10	140,000	1,000	NE	NE	NE	76,000	NE	1,000	NE	610	7,500	NE	10,000	10,000	160	14,000	610,000

NT Not tested
 NE Criteria not established
 ND<200 Not detected above note laboratory detection limit
 CTDEP Connecticut Department of Environmental Protection
 RSRs Remediation Standard Regulations

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 8
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of TCLP Inorganic Soil-Quality Results from 2000 Facility Support Services Site Investigation
Completed for Town of Hamden Board of Education

Sample ID	Sample Interval (feet below grade)		Date Collected	Aluminum (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Calcium (mg/l)	Copper (mg/l)	Iron (mg/l)	Lead (mg/l)	Magnesium (mg/l)	Manganese (mg/l)	Nickel (mg/l)	Potassium (mg/l)	Selenium (mg/l)	Thallium (mg/l)	Zinc (mg/l)
B1	0	2	11/1/00	0.33	1.8	0.012	22	0.55	ND<0.05	0.033	2	0.23	ND<0.05	5.7	0.02	ND<0.05	6.5
B2	0	2	11/1/00	0.37	1.3	ND<0.05	17	16	ND<0.05	0.016	2.6	0.36	ND<0.05	3.2	0.012	ND<0.05	1.7
B3	2	4	11/1/00	0.14	1.8	0.035	710	28	ND<0.05	0.58	0.63	45	0.18	3.5	0.025	0.054	24
B5	2	4	11/1/00	0.3	1.3	0.018	53	3.1	ND<0.05	1.1	3.2	4.4	0.12	4.6	0.016	ND<0.05	35
B6	2	4	11/1/00	0.29	1.3	0.018	53	14	0.12	10	6.2	12	0.28	7.2	0.012	ND<0.05	9.8
B7	0	2	11/1/00	0.46	2.3	0.056	120	3.1	ND<0.05	1.1	3.2	4.4	0.12	4.6	0.016	ND<0.05	35
CTDEP RSRs GA/GAA PMC				NE	1	0.005	NE	1.3	NE	0.015	NE	NE	0.1	NE	0.05	0.005	5
CTDEP RSRs GB PMC or 10 Times GWPC				NE	10	0.05	NE	13	NE	0.15	NE	NE	1	NE	0.5	0.05	50

Note: Antimony, arsenic, beryllium, chromium, cobalt, mercury, silver and vanadium were not detected in any samples analyzed.

ND<0.05 Not detected above identified laboratory detection limit
 PMC Pollutant Mobility Criteria
 GWPC Groundwater Protection Criteria
 CTDEP Connecticut Department of Environmental Protection
 RSRs Remediation Standard Regulations
 ND Not Detected

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 9

**HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT**

**Summary of Extractable Petroleum Hydrocarbon Soil-Quality Results
from 2000 Facility Support Services Site Investigation
Completed for Town of Hamden Board of Education**

Sample ID	Sample Interval (feet below grade)		Date Collected	ETPH (mg/kg)
B1	4	6	11/1/00	120
B2	6	8	11/1/00	720
B3	11	13	11/1/00	1,800
B3	2	4	11/1/00	890
B4	10	12	11/1/00	ND<50
B5	15.5	16	11/1/00	250,000
B7	10	12	11/1/00	810
B7	15	17	11/1/00	2,200
B7	2	5	11/1/00	1,300
B8	5	10	11/1/00	1,800
B11	15	17	11/1/00	ND<50
B12	15	17	11/1/00	ND<50
B14	10	12	11/1/00	51,000
B15	10	12	11/1/00	33,000
B15	13	15	11/1/00	1,600
CTDEP RSRs GA/GAA PMC				500
CTDEP RSRs GB PMC				2,500
CTDEP RSRs Residential Direct Exposure Criteria				500
CTDEP RSRs Industrial/Commercial Direct Exposure Criteria				2,500

ETPH Extractable Petroleum Hydrocarbon
 PMC Pollutant Mobility Criteria
 DEC Direct Exposure Criteria
 CTDEP Connecticut Department of Environmental Protection
 RSRs Remediation Standard Regulations
 ND Not Detected

TABLE 10

**HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT**

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	HMS-01	HMS-02	HMS-03	HMS-04	HMS-05	HMS-06	HMS-07	HMS-08	HMS-09	HMS-10	HMS-10D	HMS-11	HMS-12	HMS-13	HMS-14	CTDEP CRITERIA	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Depth	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"		
Collection Date	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001		
Parameter																	
Total Metals EPA 6010/7000 (mg/kg)																	
Lead	165	75	45	55	200	90	70	400	430	115	120	210	165	150	85	500	---
Arsenic	0.59	0.20	0.74	0.30	0.92	1.0	0.66	2.3	1.6	1.5	1.5	1.6	1.5	1.1	0.85	10	---
SVOCs EPA 8270 (mg/kg dry wt)		N/A	N/A	N/A	N/A	N/A		N/A		N/A	N/A		N/A		N/A		
2-Methylphenol												<0.034				1,000	7
4-Methylphenol												<0.034				340	1
2,4-Dimethylphenol												<0.034				1,000	2.8
Benzoic Acid	0.15						0.22		0.091			0.28		0.049		1,000	1,000
Naphthalene	<0.036								<0.035			0.82		0.24		1,000	5.6
Benzyl Alcohol																NE	NE
2-Methylnaphthalene	<0.036								<0.035			0.44		0.15		474	0.98
Acenaphthylene	0.16						0.037		0.1			0.092		0.15		1,000	8.4
Acenaphthene	0.24						<0.037		<0.035			0.95		2.3		1,000	8.4
Dibenzofuran	0.15						<0.037		<0.035			0.88		1.9		270	1
Fluorene	0.18						<0.037		0.046			1.1		1.3		1,000	5.6
N-Nitrosodiphenylamine																130	1
Phenanthrene	2.2						0.37		0.7			7.5		5.3		1,000	4
Anthracene	0.4						0.048		0.25			1.9		0.84		1,000	40
Di-n-butyl phthalate *	0.061						0.052		0.077					0.049		1,000	14
Fluoranthene	7.6						0.93		1.5			7.1		8.4		1,000	5.6
Pyrene	6.8						0.78		1.4			6.8		7.4		1,000	4
Benzo(a)anthracene	2.7						0.29		0.77			3.4		3.4		1	1
Chrysene	4.7						0.56		0.91			3.4		3.5		84	1

TABLE 10

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	HMS-01	HMS-02	HMS-03	HMS-04	HMS-05	HMS-06	HMS-07	HMS-08	HMS-09	HMS-10	HMS-10D	HMS-11	HMS-12	HMS-13	HMS-14	CTDEP CRITERIA	
	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	RDEC	GA/GAA PMC
Depth	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"		
Collection Date	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001		
Parameter																	
Bis(2-ethylhexyl). phthalate *	0.76						0.11		0.67			0.68		0.13		44	1
Benzo(b)fluoranthene	9						0.89		1.3			4.4		4.2		1	1
Benzo(k)fluoranthene	2.2						0.31		0.39			1.5		1.5		8.4	1
Benzo(a)pyrene	4.7						0.48		0.88			3.3		2.7		1	1
Indeno[1,2,3-cd]pyrene	3.1						0.37		0.49			1.6		1.4		1	1
Dibenz[a,h]anthracene	0.76						0.085		0.12			0.51		0.42		1	1
Benzo[g,h,i]perylene	3						0.37		0.49			1.6		1.2		1,000	4.2
Di-n-octyl phthalate																1,000	2

Notes:

RDEC = Residential Direct Exposure Criteria

GA/GAA PMC = GA/GAA Pollutant Mobility Criteria

NE = No criteria established for this parameter

NA = Sample not analyzed for this parameter

SVOCs = Semi-Volatile Organic Compounds, includes the group of compounds known as polynuclear aromatic hydrocarbons, or PAHs

mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)

- = Phthalate esters are frequent field and laboratory contaminants.

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	HMS-15	HMS-16	HMS-17	HMS-18	HMS-19	HMS-20	HMS-20D	HMS-21	HMS-22	HMS-23	HMS-24	HMS-25	HMS-26	HMS-27	HMS-28	CT DEP CRITERIA	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Depth	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"		
Collection Date	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001		
Parameter																	
Total Metals EPA 6010/7000 (mg/kg)																	
Lead	135	1485	20	55	15	20	10	240	75	185	85	150	20	70	25	500	---
Arsenic	1.1	8.7	1	1.1	0.83	0.4	0.69	1.4	0.88	1.4	0.87	1.2	1.0	0.74	1.2	10	---
SVOCs EPA 8270 (mg/kg dry wt)	N/A			N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A			N/A		
2-Methylphenol																1,000	7
4-Methylphenol																340	1
2,4-Dimethylphenol																1,000	2.8
Benzoic Acid			<0.035										<0.035	<0.034		1,000	1,000
Naphthalene		<0.035	<0.035										<0.035			1,000	5.6
Benzyl Alcohol					<0.034											NE	NE
2-Methylnaphthalene		<0.035	<0.035		<0.034								<0.035			474	0.98
Acenaphthylene		<0.035	0.11		0.15								0.12			1,000	8.4
Acenaphthene		<0.035	<0.035		<0.034								0.049			1,000	8.4
Dibenzofuran		<0.035	<0.035		<0.034								<0.035			270	1
Fluorene		<0.035	0.042		0.037								0.042			1,000	5.6
N-Nitrosodiphenylamine		0.056														130	1
Phenanthrene		0.35	0.56		0.544								0.39	<0.034		1,000	4
Anthracene		0.081	0.11		0.17								0.12			1,000	40
Di-n-butyl phthalate *		0.067	0.046		0.061								0.035	0.041		1,000	14
Fluoranthene		0.74	0.98		1.2								0.95	<0.034		1,000	5.6
Pyrene		0.63	0.84		0.95								0.74	<0.034		1,000	4
Benzo(a)anthracene		0.39	0.42		0.51								0.42	<0.034		1	1
Chrysene		0.42	0.49		0.61								0.49	<0.034		84	1

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	HMS-15	HMS-16	HMS-17	HMS-18	HMS-19	HMS-20	HMS-20D	HMS-21	HMS-22	HMS-23	HMS-24	HMS-25	HMS-26	HMS-27	HMS-28	CT DEP CRITERIA	
																RDEC	GA/GAA PMC
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Depth	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"		
Collection Date	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001		
Parameter																	
Bis(2-ethylhexyl)phthalate *		0.063	0.16		48								0.042	0.11		44	1
Benzo(b)fluoranthene		0.67	0.74		0.88								0.77	<0.034		1	1
Benzo(k)fluoranthene		0.22	0.26		0.32								0.26	<0.034		8.4	1
Benzo(a)pyrene		0.42	0.49		0.61								0.49	<0.034		1	1
Indeno[1,2,3-cd]pyrene		0.22	0.24		0.33								0.23	<0.034		1	1
Dibenz[a,h]anthracene		0.077	0.077		0.099								0.077			1	1
Benzo[g,h,i]perylene		0.26	0.23		0.32								0.22	<0.034		1,000	4.2
Di-n-octyl phthalate														0.046		1,000	2

Notes:
RDEC = Residential Direct Exposure Criteria
GA/GAA PMC = GA/GAA Pollutant Mobility Criteria
NE = No criteria established for this parameter
NA = Sample not analyzed for this parameter
SVOCs = Semivolatile Organic Compounds, includes the group of compounds known as polynuclear aromatic hydrocarbons, or PAHs
mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)
* = Phthalate esters are frequent field and laboratory contaminants.

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	HMS-29	HMS-30	HMS-30D	HMS-31	HMS-32	HMS-33	HMS-34	HMS-35	HMS-36	HMS-37	HMS-38	HMS-39	HMS-39D	CT DEP CRITERIA	
														RDEC	GA/GAA PMC
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Depth	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"		
Collection Date	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001		
Parameter															
Total Metals EPA 6010/7000 (mg/kg)															
Lead	20	20	25	25	15	420	130	290	145	130	470	45	60	500	---
Arsenic	1.2	0.79	0.84	0.36	0.29	2.1	36	2.4	44	1.3	2.9	1.3	1.5	10	---
SVOCs EPA 8270 (mg/kg dry wt)		N/A	N/A		N/A				N/A				N/A		
2-Methylphenol														1,000	7
4-Methylphenol														340	1
2,4-Dimethylphenol														1,000	2.8
Benzoic Acid	<0.034					0.043	<0.035	<0.034		0.076	0.32	0.085		1,000	1,000
Naphthalene						0.043		0.061		0.18	0.11	0.16		1,000	5.6
Benzyl Alcohol														NE	NE
2-Methylnaphthalene						<0.036		0.044		0.095	0.053	0.078		474	0.98
Acenaphthylene	0.068			<0.034		0.061	<0.035	0.19		0.091	0.067	0.071		1,000	8.4
Acenaphthene						0.2	0.035	0.21		0.26	0.22	0.28		1,000	8.4
Dibenzofuran						0.12	<0.035	0.12		0.16	0.098	0.15		270	1
Fluorene						0.24	<0.035	0.23		0.25	0.18	0.23		1,000	5.6
N-Nitrosodiphenylamine											0.26			130	1
Phenanthrene	0.17			<0.034		2.2	0.49	2.6		2.2	2	2.3		1,000	4
Anthracene	0.054			<0.034		0.72	0.12	0.75		0.46	0.42	0.44		1,000	40
Di-n-butyl phthalate	<0.034			0.034		0.068	0.049	0.078		0.076		0.071		1,000	14
Fluoranthene	0.41			0.075		2.8	0.95	3.7		2.5	2.7	2.8		1,000	5.6
Pyrene	0.37			0.061		2.6	0.81	3.7		2.2	2.4	2.3		1,000	4
Benzo(a)anthracene	0.18			0.037		1.7	0.39	2.2		1.2	0.98	1.2		1	1
Chrysene	0.23			0.048		1.6	0.46	2.3		1.3	1.1	1.3		84	1
Bis(2-ethylhexyl)phthalate *	0.037			0.068		0.12	0.15			0.23		3.7		44	1

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	HMS-29	HMS-30	HMS-30D	HMS-31	HMS-32	HMS-33	HMS-34	HMS-35	HMS-36	HMS-37	HMS-38	HMS-39	HMS-39D	CT DEP CRITERIA	
														RDEC	GA/GAA PMC
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Depth	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"	0-3"		
Collection Date	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001	5/10/2001		
Parameter															
Benzo(b)fluoranthene	0.37			0.075		2.3	0.7	3.7		2	2.8	2		1	1
Benzo(k)fluoranthene	0.13			<0.034		0.79	0.23	1.2		0.72	0.88	0.75		8.4	1
Benzo(a)pyrene	0.23			0.044		1.6	0.46	2.2		1.4	1.6	1.4		1	1
Indeno[1,2,3-cd]pyrene	0.12			<0.034		0.72	0.22	0.99		0.65	0.88	0.65		1	1
Dibenz[a,h]anthracene	0.041					0.23	0.06	0.31		0.2	0.25	0.21		1	1
Benzo[g,h,i]perylene	0.12			<0.034		0.65	0.2	0.95		0.65	1	0.68		1,000	4.2
Di-n-octyl phthalate														1,000	2

Notes:

RDEC = Residential Direct Exposure Criteria

GA/GAA PMC = GA/GAA Pollutant Mobility Criteria

NE = No criteria established for this parameter

NA = Sample not analyzed for this parameter

SVOCs = Semivolatile Organic Compounds, includes the group of compounds known as polynuclear aromatic hydrocarbons, or PAHs

mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)

* = Phthalate esters are frequent field and laboratory contaminants.

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	SF-01	SF-02	SF-03	SF-04	SF-05	SF-06	SF-07	SF-08	SF-09	SF-10	SF-10D	SF-11	SF-12	SF-13	CT DEP RESIDENTIAL DIRECT EXPOSURE CRITERIA
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	
Collection Date	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	
Parameter															
Total Metals EPA 6010/7000 (mg/kg) *															
Cadmium	0.2	0.3	0.4	0.35	0.35	0.30	0.35	0.45	0.45	0.40	0.35	0.35	0.30	0.30	34
Chromium, total	3.6	5.2	6.8	5.4	6.5	5.3	6.0	9.0	7.4	8.4	5.5	7.0	5.6	5.7	3900 / 100 #
Copper	15	12	47	14	14	13	12	16	14	14	12	11	14	14	2,500
Nickel	2.7	4.2	5.5	4.9	4.7	4.6	4.4	6.9	5.9	5.9	5.2	5.5	4.7	4.7	1,400
Lead	7.0	15	83	20	17	29	23	24	30	32	24	22	17	19	500
Zinc	14	20	45	21	21	21	20	34	28	25	24	37	17	33	20,000
Arsenic	0.70	0.80	5.9	1.1	0.85	1.1	0.90	1.6	1.3	2.0	1.3	1.1	0.80	1.2	10
Barium	55	40	42	45	42	45	47	51	57	69	41	56	41	54	4,700
Selenium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	340
Silver	0.25	0.20	0.20	0.25	0.25	0.20	0.20	0.35	0.35	0.25	0.20	0.20	0.30	0.15	340
Mercury	<0.01	0.01	0.08	0.03	0.02	0.02	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.03	20
Antimony	0.00	0.00	0.19	0.08	0.00	0.00	0.02	0.00	0.00	0.02	0.04	0.00	0.00	0.11	27
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
Thallium	0.14	0.13	0.06	0.09	0.06	0.06	0.06	0.09	0.15	0.14	0.12	0.17	0.00	0.12	5.4
SVOCs EPA 8270 (mg/kg dry wt)															
Benzyl alcohol	<0.047	<0.059													NE
Naphthalene		<0.059													1,000
2-Methylnaphthalene		<0.059													474
Acenaphthylene	<0.047	0.15	0.059	0.057	0.062	0.17	0.18	0.094	0.088	0.11	0.066	0.14	0.042	<0.042	1,000
Acenaphthene		<0.059	<0.042	<0.041	<0.041	<0.041	<0.039	<0.041	<0.040	<0.043	<0.041	<0.041	<0.038		1,000
Dibenzofuran		<0.059	<0.042	<0.041		<0.041	<0.039		<0.040	<0.043		<0.041			270
Fluorene		0.065		<0.041	<0.041	<0.041	<0.039	<0.041	<0.040	<0.043	<0.041	0.053	<0.038		1,000

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	SF-01	SF-02	SF-03	SF-04	SF-05	SF-06	SF-07	SF-08	SF-09	SF-10	SF-10D	SF-11	SF-12	SF-13	CT DEP RESIDENTIAL DIRECT EXPOSURE CRITERIA
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	
Collection Date	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	
Parameter															
N-Nitrosodiphenylamine															130
Diethyl phthalate *	0.110	0.071	0.046	0.049	0.041	<0.041	<0.039	<0.041	0.048	<0.043		0.041	<0.038		1,000
Phenanthrene	0.094	0.77	0.29	0.28	0.29	0.49	0.39	0.26	0.37	0.37	0.26	0.57	0.14	0.076	1,000
Anthracene	<0.047	0.14	0.067	0.066	0.053	0.13	0.11	0.082	0.088	0.1	0.074	0.17	0.042	<0.042	1,000
Di-n-butyl phthalate *	3.0	0.77	0.8	0.78	0.82	0.62	0.55	0.62	1.2	0.73	0.1	1	0.61	0.17	1,000
Fluoranthene	0.250	1.4	0.67	0.66	0.78	1.4	1.1	0.82	0.84	0.86	0.78	1.3	0.53	0.27	1,000
Pyrene	0.2	1.1	0.5	0.49	0.53	1.1	0.82	0.66	0.6	0.65	0.41	1	0.27	0.14	1,000
Butylbenzyl phthalate *	0.24		0.067	0.066	0.045	<0.041	<0.039	<0.041	0.056	0.043	0.15	0.057	<0.038	0.22	1,000
Benzo(a)anthracene	0.094	0.65	0.29	0.28	0.27	0.57	0.47	0.35	0.35	0.36	0.27	0.62	0.19	0.092	1
Chrysene	0.12	0.77	0.35	0.35	0.36	0.74	0.55	0.45	0.4	0.43	0.32	0.62	0.22	0.12	84
Bis(2-ethylhexyl)phthalate *	0.13	5.8	0.067	0.066	0.045	0.053	0.047	0.041	<0.040	<0.043	0.2	0.066	<0.038	<0.042	44
Di-n-octyl phthalate *		3.8													1,000
Benzo(b)fluoranthene	0.099	0.71	0.32	0.36	0.32	0.7	0.59	0.41	0.4	0.37	0.31	0.49	0.2	0.11	1
Benzo(k)fluoranthene	0.11	0.65	0.29	0.27	0.28	0.57	0.47	0.38	3.6	0.39	0.29	0.53	0.22	0.11	8.4
Benzo(a)pyrene	0.11	0.71	0.33	0.33	0.32	0.66	0.55	0.41	0.38	0.4	0.31	0.57	0.21	0.11	1
Indeno[1,2,3-cd]pyrene	0.08	0.45	0.22	0.22	0.2	0.45	0.39	0.25	0.26	0.26	0.21	0.32	0.14	0.084	1
Dibenz[a,h]anthracene	<0.047		0.055	0.053	0.07	0.1	0.086	0.082	0.064	0.069	0.07	0.082	0.046	<0.042	1
Benzo[g,h,i]perylene	0.066	0.37	0.2	0.19	0.17	0.39	0.32	0.22	0.2	0.22	0.18	0.24	0.11	0.063	1,000

Notes:

NE = No criteria established for this parameter

SVOCs = Semivolatile Organic Compounds, includes the group of compounds known as polynuclear aromatic hydrocarbons, or PAHs

mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)

* = Phthalate esters are frequent field and laboratory contaminants.

= Residential direct exposure criteria for trivalent and hexavalent chromium, respectively

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	SF-14	SF-15	SF-16	SF-17	SF-18	SF-19	SF-20	SF-21	SF-22	SF-23	SF-24	SF-25	SF-26	CT DEP RESIDENTIAL DIRECT EXPOSURE CRITERIA
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	
Collection Date	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	
Parameter														
Total Metals EPA 6010/7000 (mg/kg) *														
Cadmium	0.30	0.40	0.30	0.20	0.25	0.15	0.35	0.25	0.25	0.55	0.35	0.35	0.30	34
Chromium, total	4.6	7.2	8.6	6.4	4.3	3.2	6.3	5.0	4.5	7.7	5.2	6.0	6.4	3900 / 100 #
Copper	12	12	19	10	11	9	12	6.6	13	130	15	12	15	2,500
Nickel	4.0	5.1	5.1	4.2	3.9	2.3	5.6	3.3	4.2	7.4	4.3	4.7	5.2	1,400
Lead	19	20	18	15	14	5.5	18	13	18	320	24	18	16	500
Zinc	22	24	27	21	19	10	26	16	59	180	25	22	25	20,000
Arsenic	0.90	1.1	0.85	1.0	0.85	0.50	1.0	1.1	1.2	2.1	1.1	0.90	0.90	10
Barium	46	37	45	45	44	52	53	41	44	55	44	48	40	4,700
Selenium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	340
Silver	0.25	0.35	0.35	0.25	0.20	0.15	0.30	0.20	0.20	0.35	0.30	0.25	0.20	340
Mercury	0.02	0.02	0.02	0.05	0.01	<0.01	0.02	0.03	0.03	0.25	0.03	0.02	0.03	20
Antimony	0.00	0.07	0.00	0.08	0.11	0.03	0.03	0.00	0.03	1.1	0.00	0.00	0.00	27
Beryllium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
Thallium	0.07	0.06	0.15	0.09	0.10	0.03	0.08	0.07	0.10	0.08	0.05	0.07	0.08	5.4
SVOCs EPA 8270 (mg/kg dry wt)														
Benzyl alcohol														NE
Naphthalene										<0.040				1,000
2-Methylnaphthalene														474
Acenaphthylene	<0.042	0.18	<0.041	0.043	<0.039		<0.040	<0.040		0.056	0.074	0.1	0.043	1,000
Acenaphthene		0.05		<0.039						<0.040	<0.062	<0.041		1,000
Dibenzofuran		<0.042								<0.040				270
Fluorene	<0.042	0.13		<0.039		<0.040				<0.040		<0.041		1,000
N-Nitrosodiphenylamine										0.072				130

TABLE 10
(continued)
HISTORICAL SAMPLE RESULTS
HAMDEN MIDDLE SCHOOL
HAMDEN, CONNECTICUT

Summary of Soil Sample Results Collected
During May 2001 CTDEP Environmental Site Investigation

Sample ID	SF-14	SF-15	SF-16	SF-17	SF-18	SF-19	SF-20	SF-21	SF-22	SF-23	SF-24	SF-25	SF-26	CT DEP RESIDENTIAL DIRECT EXPOSURE CRITERIA
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Depth	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	
Collection Date	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	2/15/2001	
Parameter														
Diethyl phthalate *		0.05	0.045	<0.039	<0.039	<0.040								1,000
Phenanthrene	0.11	1.1	0.066	0.18	<0.039	0.12	0.092	0.068	<0.039	0.34	0.22	0.25	0.094	1,000
Anthracene	<0.042	0.37	<0.041	0.055	<0.039	<0.040	<0.040	<0.040	<0.039	0.092	0.081	0.078	0.031	1,000
Di-n-butyl phthalate *	0.13	0.5	0.82	0.29	1.4	0.72	0.08	0.064	0.055	0.044	0.068	<0.041	0.031	1,000
Fluoranthene	0.4	2.6	0.24	0.59	0.074	0.22	0.35	0.3	0.11	1.2	0.99	0.98	0.38	1,000
Pyrene	0.22	1.3	0.12	0.32	0.059	0.1	0.18	0.16	0.051	0.52	0.54	0.53	0.22	1,000
Butylbenzyl phthalate *	0.19	0.046	0.074	0.039	0.21	0.084								1,000
Benzo(a)anthracene	0.14	0.88	0.074	0.21	<0.039	0.064	0.12	0.12	<0.039	0.44	0.38	0.39	0.14	1
Chrysene	0.18	0.97	0.1	0.25	0.043	0.068	0.16	0.15	0.047	0.52	0.47	0.45	0.19	84
Bis(2-ethylhexyl)phthalate *	0.042	0.042	<0.041	<0.039	0.37	0.36	0.052	0.052	<0.039	0.26	0.074	0.049	0.078	44
Di-n-octyl phthalate *					<0.039	<0.040			<0.039					1,000
Benzo(b)fluoranthene	0.16	0.88	0.09	0.22	0.039	0.048	0.14	0.12	0.039	0.56	0.45	0.49	0.19	1
Benzo(k)fluoranthene	0.18	0.8	0.094	0.25	0.043	0.06	0.15	0.13	0.043	0.4	0.41	0.39	0.18	8.4
Benzo(a)pyrene	0.17	0.88	0.094	0.24	0.039	0.052	0.15	0.14	0.043	0.52	0.46	0.45	0.19	1
Indeno[1,2,3-cd]pyrene	0.13	0.5	0.066	0.17	<0.039	<0.040	0.13	0.11	<0.039	0.44	0.35	0.28	0.16	1
Dibenz[a,h]anthracene	0.042	0.17	<0.041	0.055		<0.040	<0.04	<0.04		0.14	0.081	0.1	0.047	1
Benzo[g,h,i]perylene	0.11	0.41	0.053	0.14	<0.039	<0.040	0.12	0.092	<0.039	0.4	0.3	0.25	0.13	1,000

Notes:

NE = No criteria established for this parameter

SVOCs = Semivolatile Organic Compounds, includes the group of compounds known as polynuclear aromatic hydrocarbons, or PAHs

mg/kg = milligrams per kilogram, equivalent to parts per million (ppm)

* = Phthalate esters are frequent field and laboratory contaminants.

= Residential direct exposure criteria for trivalent and hexavalent chromium, respectively

H:\SCCRW\2004\Hamden\Work Plan\Appendix IV\Historical Tables.doc