Former Remington-Rand Facility

Middletown
Connecticut

Prepared for **Municipal Development Office**
Middletown, Connecticut

Prepared by ***VHB*/Vanasse Hangen Brustlin, Inc.**
Middletown, Connecticut

January 1999

Appendix A
Limitations

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Former Remington Rand Facility
180 Johnson Street
Middletown, Connecticut

- This report has been prepared for the sole and exclusive use of the City of Middletown Economic Development Committee (Client) and is subject to and issued in connection with the Agreement and the provisions thereof. Any use or reliance upon information provided in this report, without the specific written authorization of Client and VHB, shall be at User's sole risk.

- In conducting this assessment, VHB has obtained and relied upon information from multiple sources to form certain conclusions regarding potential environmental issues at and in the vicinity of the subject parcel(s). Except as otherwise noted, VHB has not verified the accuracy or completeness of such information.

- The objectives of the assessment described in this report were to observe the physical characteristics of the subject parcels(s) with respect to evidence of past or present use, storage and/or disposal of oil or hazardous materials, as defined in applicable state and federal environmental law and regulations, and to gather information regarding current and past operations and environmental conditions at and in the vicinity of the subject parcel(s).

- No attempt has been made to assess the compliance status of any past or present Owner or Operator of the Site with any federal, state or local laws or regulations.

- The findings, observations and conclusions presented in this report, including the extent of subsurface explorations and other tests, are limited by the scope of services outlined in our Agreement. Furthermore, the assessment has been performed in accordance with generally accepted engineering practices. No other warranty, expressed or implied, is made.

- The assessment presented in this report is based solely upon information gathered to date, including a limited number of subsurface explorations made on the dates indicated. Should further environmental or other relevant information be developed at a later date, Client should bring the information to the attention of VHB as soon as possible. Based upon an evaluation, VHB may modify the report and its conclusions.

Appendix B
Phase III Laboratory Analytical Summary Tables

Test Pit Analytical Results
Remington Rand - Phase III
Collected August 11 through 13, 1998

Analyte	Sample ID										CT RSRs		
	Suspect UST 5 Area			Railroad Spur Disposal Area				Suspect UST 2 Area					
	TP-21	TP-23	TP-24	TP-27	TP-28	TP-31	TP38	TP-33	TP-34	TP-35	GB PMC	R DEC	I/C DEC
Volatile Organic Compounds (mg/Kg)													
Chloromethane	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
Vinyl Chloride	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
Chloroethane	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
1,1-Dichloroethylene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
1,1-Dichloroethane	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
trans-1,2-Dichloroethylene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
cis-1,2-Dichloroethylene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
Chloroform	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns			
Benzene	BDL@0.020	ns	ns	ns	ns	ns	ns	ns	ns	ns			
Trichloroethylene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	1	56	520
Chlorobenzene	BDL@0.025	ns	ns	ns	ns	ns	ns	ns	ns	ns			
Xylene	BDL@0.025	ns	ns	ns	ns	ns	ns	ns	ns	ns	19.5	500	1,000
Isopropylbenzene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	no std	no std	no std
n-Propylbenzene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	no std	no std	no std
1,3,5-Trimethylbenzene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	no std	no std	no std
tert-Butylbenzene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	no std	no std	no std
1,2,4-Trimethylbenzene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	no std	no std	no std
sec-Butylbenzene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	no std	no std	no std
1,2-Dichlorobenzene	BDL@0.025	ns	ns	ns	ns	ns	ns						
n-Butylbenzene	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	no std	no std	no std
Naphthalene	ns	ns	ns	ns	ns	ns	ns						
MTBE	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	20	500	1,000
Total Petroleum Hydrocarbons (mg/Kg)													
TPH	**80**	**23,400**	**4,800**	**33**	**68**	**96**	**10,240**	**5,300**	**632 (R)**	**812 (R)**	2,500	500	2,500
Polychlorinated Biphenyls (ppm)													
PCBs	ns	ns	ns	ns	ns	ns	ns	ND<1	ND<1	ND<1	-	1	10
Semivolatile Organic Compounds (mg/Kg)													
Acenaphthene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	**0.624**	BDL@0.1	BDL@1	BDL@1	BDL@1	no std	no std	no std
Acenaphthylene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	**0.587**	BDL@0.1	BDL@1	BDL@1	BDL@1	84	1,000	2,500
Anthracene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	**2.44**	BDL@0.1	BDL@1	BDL@1	BDL@1	400	1,000	2,500
Benzo(a)anthracene	BDL@0.1	ns	ns	BDL@0.1	**0.214**	**12.44**	BDL@0.1	BDL@1	BDL@1	BDL@1	1	1	7.8
Benzo(a)pyrene	BDL@0.1	ns	ns	BDL@0.1	**0.195**	**7.26**	BDL@0.1	BDL@1	BDL@1	BDL@1	1	1	1
Benzo(b)fluoranthene	BDL@0.1	ns	ns	BDL@0.1	**0.163**	**8.13**	BDL@0.1	BDL@1	BDL@1	BDL@1	1	1	7.8
Benzo(g,h,i)perylene	BDL@0.5	ns	ns	BDL@0.5	BDL@0.5	2.87	BDL@0.5	BDL@5	BDL@5	BDL@5	no std	no std	no std
Benzo(k)fluoranthene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	**4.93**	BDL@0.1	BDL@1	BDL@1	BDL@1	1	8.4	78
Chrysene	BDL@0.1	ns	ns	BDL@0.1	**0.235**	**12.14**	BDL@0.1	BDL@1	BDL@1	BDL@1	no std	no std	no std
Fluoranthene	BDL@0.1	ns	ns	BDL@0.1	**0.447**	**24.22**	BDL@0.1	BDL@1	BDL@1	BDL@1	56	1,000	2,500
Fluorene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	**0.795**	BDL@0.1	BDL@1	BDL@1	BDL@1	56	1,000	2,500
Indeno(1,2,3-cd)pyrene	BDL@0.5	ns	ns	BDL@0.5	BDL@0.5	**3.68**	BDL@0.5	BDL@5	BDL@5	BDL@5	no std	no std	no std
Naphthalene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	**0.249**	BDL@0.1	BDL@1	BDL@1	BDL@1	56	1,000	2,500
Pyrene	BDL@0.1	ns	ns	BDL@0.1	**0.384**	**13.30**	BDL@0.1	BDL@1	BDL@1	BDL@1	40	1,000	2,500
1,2,4-Trichlorobenzene	BDL@0.1	ns	ns	BDL@0.1	**0.401**	**24.17**	BDL@0.1	BDL@1	BDL@0.1	BDL@0.1	no std	no std	no std
Metals and Inorganics													
Arsenic (total) - mg/Kg	ns	ns	ns	**20.1**	**52**	**10.6**	**28**	ns	ns	ns	na	10	10
Arsenic (SPLP) - mg/L	ns	ns	ns	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ns	ns	ns	0.5	na	na
Copper (total) - mg/Kg	ns	ns	ns	**58**	**29,000 (R)**	**679**	**284**	ns	ns	ns	na	2,500	76,000
Copper (SPLP) - mg/L	ns	ns	ns	**0.02**	**0.15**	**0.02**	**0.02**	ns	ns	ns	13	na	na
Lead (total) - mg/Kg	ns	ns	ns	**128**	**221**	**132**	**501(R)**	ns	ns	ns	na	500	1,000
Lead (SPLP) - mg/L	ns	ns	ns	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ns	ns	ns	0.15	na	na
Nickel (total) - mg/Kg	ns	ns	ns	**7.4**	**23,400**	**229**	**84**	ns	ns	ns	na	1,400	7,500
Nickel (SPLP) - mg/L	ns	ns	ns	ND < 0.05	**4.05**	**0.49**	ND < 0.05	ns	ns	ns	1	na	na
Thallium (total) - mg/Kg	ns	ns	ns	ND<10	ND<10	ND<10	ND<10	ns	ns	ns	na	5.4	160
Thallium (SPLP) - mg/L	ns	ns	ns	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ns	ns	ns	0.05	na	na
Zinc (total) - mg/Kg	ns	ns	ns	**24.2**	**6,800**	**177**	**155**	ns	ns	ns	na	20,000	610,000
Zinc (SPLP) - mg/L	ns	ns	ns	**0.31**	**2.56**	**0.12**	**0.07**	ns	ns	ns	50	na	na
Cyanide (total) - mg/Kg	ns	ns	ns	ND<1.0	**3.8**	ND<1.0	**3.1**	ns	ns	ns	na	1,400	41,000
Cyanide (SPLP) - mg/L	ns	ns	ns	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ns	ns	ns	2	na	na

Notes:

ND = Compound analyzed for but not detected.*

BDL = Below detection limit.*

* These terms are used interchangeably by the laboratory and have been used herein to correspond to laboratory reports.

ns = Not sampled

mg/L = milligrams per liter, roughly equivalent to parts per million

mg/Kg = milligrams per kilograms, roughly equivalent to parts per million

no standard = no numerical standard has been established.

Only those constituents present in Sample (s) are shown in table.

Analyte	Susp					CTRSRs		
	B-61 (4'-8')	B-62 (4'-8')	B-63 (8'-12')	RR Spur B-60 (8'-12')	SS Area 2 B-76 (0-1')	GB PMC	R DEC	I/C DEC
Volatile Organic Compounds (mg/Kg)								
1,1-Dichloroethane	NA	ns	ns	ns	ns	14	500	1000
cis-1,2-Dichloroethylene	NA	ns	ns	ns	ns	14	500	1000
Trichloroethylene	NA	ns	ns	ns	ns	1	56	520
Chlorobenzene	BDL@0.25	ns	ns	ns	ns	20	500	1000
Isopropylbenzene	NA	ns	ns	ns	ns	no std	no std	no std
n-Propylbenzene	NA	ns	ns	ns	ns	no std	no std	no std
1,3,5-Trimethylbenzene	NA	ns	ns	ns	ns	no std	no std	no std
tert-Butylbenzene	NA	ns	ns	ns	ns	no std	no std	no std
1,2,4-Trimethylbenzene	NA	ns	ns	ns	ns	no std	no std	no std
sec-Butylbenzene	NA	ns	ns	ns	ns	no std	no std	no std
1,2-Dichlorobenzene	BDL@0.25	ns	ns	ns	ns	3.1	500	1000
n-Butylbenzene	NA	ns	ns	ns	ns	no std	no std	no std
MTBE	NA	ns	ns	ns	ns	20	500	1,000
Total Petroleum Hydrocarbons (mg/Kg)								
TPH	2,300 (R)	7,380	ND<25	ND<25	60	2,500	500	2,500
Polychlorinated Biphenyls (mg/Kg)								
PCBs	ND<1	ns	ns	ND<1	ND<1	-	1	10
Semivolatile Organic Compounds (mg/Kg)								
2,4-Dimethylphenol	BDL@0.5	ns	ns	BDL@0.5	BDL@0.5	no std	no std	no std
Acenaphthene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	no std	no std	no std
Acenaphthylene	BDL@0.1	ns	ns	BDL@0.1	0.11	84	1,000	2,500
Anthracene	BDL@0.1	ns	ns	BDL@0.1	0.1	400	1,000	2,500
Benzo(a)anthracene	BDL@0.1	ns	ns	BDL@0.1	0.674	1	1	7.8
Benzo(a)pyrene	BDL@0.1	ns	ns	BDL@0.1	0.347	1	1	1
Benzo(b)fluoranthene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	1	1	7.8
Benzo(g,h,i)perylene	BDL@0.5	ns	ns	BDL@0.5	BDL@0.5	no std	no std	no std
Benzo(k)fluoranthene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	1	8.4	78
Chrysene	BDL@0.1	ns	ns	BDL@0.1	0.84	no std	no std	no std
Di-n-butylphthalate	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	140	1,000	2,500
Fluoranthene	BDL@0.1	ns	ns	BDL@0.1	1.274	56	1,000	2,500
Fluorene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	56	1,000	2,500
Indeno(1,2,3-cd)pyrene	BDL@0.5	ns	ns	BDL@0.5	BDL@0.5	no std	no std	no std
Naphthalene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	56	1,000	2,500
Phenanthrene	BDL@0.1	ns	ns	BDL@0.1	0.382	40	1,000	2,500
Phenol	BDL@0.5	ns	ns	BDL@0.5	BDL@0.5	800	1,000	2,500
Pyrene	0.222	ns	ns	BDL@0.1	1.175	40	1,000	2,500
1,2,4-Trichlorobenzene	BDL@0.1	ns	ns	BDL@0.1	BDL@0.1	no std	no std	no std
Metals and Inorgnics								
Arsenic (total) - mg/Kg	ns	ns	ns	9.7	ns	na	10	10
Arsenic (SPLP) - mg/L	ns	ns	ns	ND<0.05	ns	0.5	na	na
Cadmium (total) - mg/Kg	ns	ns	ns	ns	ns	na	34	1,000
Cadmium (SPLP) - mg/L	ns	ns	ns	ns	ns	0.05	na	na
Copper (total) - mg/Kg	ns	ns	ns	730	ns	na	2,500	76,000
Copper (SPLP) - mg/L	ns	ns	ns	4.17	ns	13	na	na
Lead (total) - mg/Kg	ns	ns	ns	1,200	ns	na	500	1,000
Lead (SPLP) - mg/L	ns	ns	ns	13.8	ns	0.15	na	na
Nickel (total) - mg/Kg	ns	ns	ns	8,800	ns	na	1,400	7,500
Nickel (SPLP) - mg/L	ns	ns	ns	6.86	ns	1	na	na
Thallium (total) - mg/Kg	ns	ns	ns	ND<10	ns	na	5.4	160
Thallium (SPLP) - mg/L	ns	ns	ns	ND<0.002	ns	0.05	na	na
Zinc (total) - mg/Kg	ns	ns	ns	650	ns	na	20,000	610,000
Zinc (SPLP) - mg/L	ns	ns	ns	7.36	ns	50	na	na
Cyanide (total) - mg/Kg	ND<1	ns	ns	1.6	ND<1	na	1,400	41,000
Cyanide (SPLP) - mg/L	ns	ns	ns	ND<0.05	ns	2	na	na

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Analyte	B-36 (8'-12')	B-37 (8'-12')	B-53 (4'-8')	B-57 (8'-12')	CTRSRs GB PMC	CTRSRs R DEC	CTRSRs I/C DEC
Volatile Organic Compounds (mg/Kg)							
1,1-Dichloroethane	ns	ns					
cis-1,2-Dichloroethylene	ns	ns	ns	ns	14	500	1000
Trichloroethylene	ns	ns	ns	ns	14	500	1000
Chlorobenzene	ns	ns	ns	ns	1	56	520
Xylene	ns	ns	ns	ns	20	500	1000
Isopropylbenzene	ns	ns	ns	ns	19.5	500	1,000
n-Propylbenzene	ns	ns	ns	ns	no std	no std	no std
1,3,5-Trimethylbenzene	ns	ns	ns	ns	no std	no std	no std
tert-Butylbenzene	ns	ns	ns	ns	no std	no std	no std
1,2,4-Trimethylbenzene	ns	ns	ns	ns	no std	no std	no std
sec-Butylbenzene	ns	ns	ns	ns	no std	no std	no std
1,2-Dichlorobenzene	ns	ns	ns	ns	no std	no std	no std
n-Butylbenzene	ns	ns	ns	ns	3.1	500	1000
MTBE	ns	ns	ns	ns	no std	no std	no std
Total Petroleum Hydrocarbons (mg/Kg)			ns	ns		500	1,000
TPH	ND<25	7,880					
Polychlorinated Biphenyls (mg/Kg)			7,856	ND<25	2,500	500	2,500
PCBs	ns	ND<1					
Semivolatile Organic Compounds (mg/Kg)			ns	ns	-	1	10
2,4-Dimethylphenol	ns	ns					
Acenaphthene	ns	ns	ns	ns	no std	no std	no std
Acenaphthylene	ns	ns	ns	ns	no std	no std	no std
Anthracene	ns	ns	ns	ns	84	1,000	2,500
Benzo(a)anthracene	ns	ns	ns	ns	400	1,000	2,500
Benzo(a)pyrene	ns	ns	ns	ns	1	1	7.8
Benzo(b)fluoranthene	ns	ns	ns	ns	1	1	1
Benzo(g,h,i)perylene	ns	ns	ns	ns	1	1	7.8
Benzo(k)fluoranthene	ns	ns	ns	ns	no std	no std	no std
Chrysene	ns	ns	ns	ns	1	8.4	78
Di-n-butylphthalate	ns	ns	ns	ns	no std	no std	no std
Fluoranthene	ns	ns	ns	ns	140	1,000	2,500
Fluorene	ns	ns	ns	ns	56	1,000	2,500
Indeno(1,2,3-cd)pyrene	ns	ns	ns	ns	56	1,000	2,500
Naphthalene	ns	ns	ns	ns	no std	no std	no std
Phenanthrene	ns	ns	ns	ns	56	1,000	2,500
Phenol	ns	ns	ns	ns	40	1,000	2,500
Pyrene	ns	ns	ns	ns	800	1,000	2,500
1,2,4-Trichlorobenzene	ns	ns	ns	ns	40	1,000	2,500
Metals and Inorgnics			ns	ns	no std	no std	no std
Arsenic (total) - mg/Kg	15.7	38.4					
Arsenic (SPLP) - mg/L	ND<0.05	ND<0.05	ns	ns	na	10	10
Cadmium (total) - mg/Kg	ns	ns	ns	ns	0.5	na	na
Cadmium (SPLP) - mg/L	ns	ns	ns	ns	na	34	1,000
Copper (total) - mg/Kg	669	26.3	ns	ns	0.05	na	na
Copper (SPLP) - mg/L	0.01	ND<0.01	ns	ns	na	2,500	76,000
Lead (total) - mg/Kg	20.2	11.8	ns	ns	13	na	na
Lead (SPLP) - mg/L	ND<0.005	ND<0.005	ns	ns	na	500	1,000
Nickel (total) - mg/Kg	10.7	10	ns	ns	0.15	na	na
Nickel (SPLP) - mg/L	ND<0.05	ND<0.05	ns	ns	na	1,400	7,500
Thallium (total) - mg/Kg	ND<5	ND<5	ns	ns	1	na	na
Thallium (SPLP) - mg/L	ND<0.05	ND<0.05	ns	ns	na	5.4	160
Zinc (total) - mg/Kg	39.6	36.8	ns	ns	0.05	na	na
Zinc (SPLP) - mg/L	ND<0.05	0.07	ns	ns	na	20,000	610,000
Cyanide (total) - mg/Kg	ND<1	ND<1	ns	ns	50	na	na
Cyanide (SPLP) - mg/L	ND<0.05	ND<0.05	ns	ns	na	1,400	41,000
			ns	ns	2	na	na

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Analyte	MW-1	MW-2	MW-3	MW-	MW-20	MW-21	MW-22	CTRSRs SWPC	CTRSRs R VC	CTRSRs I/C VC
Volatile Organic Compounds (ug/L)										
Chloromethane	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	204	BDL@1	no std	no std	no std
Vinyl Chloride	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	17	BDL@1	15,750	2	2
Chloroethane	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	BDL@1	BDL@1	no std	no std	no std
1,1-Dichloroethylene	2	BDL@1	BDL@1	BDL@	BDL@1	39	BDL@1	96	1	6
trans-1,2-Dichloroethylene	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	4	BDL@1	no std	no std	no std
cis-1,2-Dichloroethylene	22	BDL@1	BDL@1	BDL@	2	386	BDL@1	no std	no std	no std
Chloroform	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	BDL@1	BDL@1	14,100	287	710
Benzene	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	BDL@1	BDL@1	710	215	530
Trichloroethylene	81	BDL@1	BDL@1	29	BDL@1	1,079	4	2,340	219	540
Chlorobenzene	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	BDL@1	BDL@1	420,000	1,800	6,150
Isopropylbenzene	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	BDL@1	BDL@1	no std	no std	no std
1,3,5-Trimethylbenzene	BDL@1	BDL@1	BDL@1	2	BDL@1	BDL@1	BDL@1	no std	no std	no std
1,2,4-Trimethylbenzene	BDL@1	BDL@1	BDL@1	2	BDL@1	BDL@1	BDL@1	no std	no std	no std
sec-Butylbenzene	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	BDL@1	BDL@1	no std	no std	no std
n-Butylbenzene	BDL@1	BDL@1	BDL@1	BDL@	BDL@1	BDL@1	BDL@1	no std	no std	no std
Naphthalene	BDL@10	BDL@10	BDL@10	18	BDL@10	BDL@10	BDL@10	no std	no std	no std
MTBE	9	BDL@1	BDL@1	1	88	NA	2	no std	50,000	50,000
Total Petroleum Hydrocarbons (mg/L)										
TPH	ND<0.5	ND<5	776	ND<5	11	ND<0.5	ND<5	no std	no std	no std
Polychlorinated Biphenyls (ppm)										
PCBs	NA	NA	NA	NA	NA	NA	NA	0.5	no std	no std
Semivolatile Organic Compounds (ug/L))										
Acenaphthene	NA	NA	NA	5	NA	NA	BDL<5	no std	no std	no std
Acenaphthylene	NA	NA	NA	4.8	NA	NA	BDL<0.3	0.3	no std	no std
Fluorene	NA	NA	NA	8	NA	NA	BDL<5	140,000	no std	no std
Naphthalene	NA	NA	NA	99	NA	NA	BDL<5	no std	no std	no std
Phenanthrene	NA	NA	NA	12	NA	NA	BDL<0.07	0.077	no std	no std
Metals and Inorganics (ug/L)										
Arsenic (dissolved)	ns	ns	ns	ND<4	ns	ns	ns	4	no std	no std
Cadmium (dissolved)	ND<5	ns	ns	ns	ND<5	ND<5	ND<5	6	no std	no std
Copper (dissolved)	ns	ns	ND<10	70	ns	ns	ns	48	no std	no std
Lead (dissolved)	ns	ns	ns	ND<5	ns	ns	ns	13	no std	no std
Nickel (dissolved)	ND<50	70	ND<50	870	ND<50	ND<50	ND<50	880	no std	no std
Thallium (dissolved)	ns	ns	ns	ND<2	ns	ns	ns	63	no std	no std
Zinc (dissolved)	740	ND<50	910	310	90	320	ND<50	123	no std	no std
Cyanide (total)	ns	ns	ns	ND<50	ns	ns	ns	52	no std	no std

Notes:
ND = Compound analyzed for but not detected.*
BDL = Below detection limit.*
* These terms are used interchangeably by the laboratory and have been used herein to corre
ns = Not sampled
mg/L = milligrams per liter, roughly equivalent to parts per million
ug/L = micrograms per liter, roughly equivalent to parts per billion
no std = no numerical standard has been established.
Only those constituents present in Sample (s) are shown in table.

Appendix C
Laboratory Analytical Reports

August 26, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

LAB No. : 898143
PO/JOB No. : 40203
INVOICE No. : 73873
ORDER No. : 54236
CUSTOMER No.: 957

The following laboratory report outlines the results found for the sample submitted on : **8-12-98**

The sample labeled Drum (CTL Sample No. 10227) was submitted for Hydrocarbon Fingerprinting analysis. This sample was diluted and analyzed using gas chromatography equipped with a Flame Ionization Detector (FID) on August 24, 1998.

The following reference standards were run in conjunction with the sample to determine the primary hydrocarbon present; Gasoline, #2 Fuel Oil, Diesel Fuel, Kerosene and mineral spirits.

A comparison of this sample with the reference materials indicates that the sample appears to be a weathered mineral spirit.

Chromatograms have been supplied for your review.

Please feel free to contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8-12-98

Client Name: **VHB, Inc.**	CTL Lab. No. 898143
Report Date: 8-26-98	PO/Job No. 40203

RESULTS OF ANALYSIS

EPA 418.1

Matrix Type		**S**	**S**	**S**	
CTL Sample No.		**10228**	**10229**	**10230**	
Field Id.		**TP-21**	**TP-23**	**TP-24**	
Oil & Grease (TPH)-ppm		80	23,400	4,800	

EPA 8080

Matrix Type		**S**			
CTL Sample No.		**10227**			
Field Id.		**Drum**			
Total PCBs-ppm		9*			

* as Ac 1232/Ac 1254 mix

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-18-98
Lab No.	: 898143	Date Analyzed :	8-19-98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 8-26-98		

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8-12-98

Matrix Type :		**S**			
CTL Sample No.		**10228**			
Field ID		**TP-21**			
	MDL				
Hexachlorocyclopentadiene	100	BDL			
Hexachloroethane	100	BDL			
Indeno(1,2,3-cd)pyrene	500	BDL			
Isophorone	100	BDL			
Naphthalene	100	BDL			
Nitrobenzene	100	BDL			
N-Nitrosodimethylamine	100	BDL			
N-Nitrosodi-n-propylamine	100	BDL			
N-Nitrosodiphenylamine	100	BDL			
Phenanthrene	100	BDL			
Pyrene	100	BDL			
1,2,4-Trichlorobenzene	100	BDL			
2-Chlorophenol	500	BDL			
2,4-Dichlorophenol	500	BDL			
2,4-Dimethylphenol	500	BDL			
2-Methyl-46-dinitrophenol	500	BDL			
2,4-Dinitrophenol	500	BDL			
2-Nitrophenol	500	BDL			
4-Nitrophenol	500	BDL			
4-Chloro-3-methylphenol	500	BDL			
Pentachlorophenol	500	BDL			
Phenol	500	BDL			
2,4,6-Trichlorophenol	500	BDL			

Sample matrix interfered with surrogate recoveries.

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-14-98
Lab No.	: 898143	Date Tested	: 8-14-98
PO No.	: 40203		
Rep. Date	: 8-26-98	Analyst	: DMG

EPA METHOD 602/8021B **Date Samples Rec'd:** 8-12-98

Matrix Type : S
CTL Sample #: 10228
Field ID : TP-21

	MDL				
Benzene	20	BDL			
Toluene	25	BDL			
Chlorobenzene	25	BDL			
Ethyl Benzene	25	BDL			
P & M Xylene	25	BDL			
O-Xylene	25	BDL			
1,4-Dichlorobenzene	25	BDL			
1,3-Dichlorobenzene	25	BDL			
1,2-Dichlorobenzene	25	BDL			
1,4-Dichlorobutane (SR)	---	94			
2Bromo-1-Chloropropane(SR)	---	89			

SR = Surrogate Recovery - percent

MDL = Minimum Detectable Level/ **BDL** = Below Detection Level/ **UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-15-98
Lab No.	: 898143	Date Analyzed :	8-15-98
PO No.	: 40203		
Rep. Date	: 8-26-98	Analyst :	YK

EPA METHOD 8260 GC/MS **Date Samples Rec'd:** 8-12-98

Matrix Type :		O			
CTL Sample No.		10227			
Field ID :		Drum			
	MDL				
Dichlorodifluoromethane	200	BDL			
Chloromethane	200	BDL			
Vinyl chloride	200	BDL			
Chloroethane	200	BDL			
Bromomethane	200	BDL			
Trichlorofluoromethane	100	BDL			
1,1-Dichloroethylene	100	BDL			
Methylene chloride	100	BDL			
trans-1,2-Dichloroethylene	100	BDL			
1,1-Dichloroethane	100	BDL			
2,2-Dichloropropane	100	BDL			
cis-1,2-Dichloroethylene	100	BDL			
Chloroform	100	BDL			
Bromochloromethane	100	BDL			
1,1,1-Trichloroethane	100	BDL			
1,1-Dichloropropylene	100	BDL			
Carbon tetrachloride	100	BDL			
Benzene	100	BDL			
1,2-Dichloroethane	100	BDL			
Trichloroethylene	100	BDL			
1,2-Dichloropropane	100	BDL			
Bromodichloromethane	100	BDL			
Dibromomethane	100	BDL			
cis-1,3-Dichloropropylene	100	BDL			
Toluene	100	BDL			
t-1,3-Dichloropropylene	100	BDL			
1,1,2-Trichloroethane	100	BDL			
Tetrachloroethylene	100	BDL			
1,3-Dichloropropane	100	BDL			
Dibromochloromethane	100	BDL			
1,2-Dibromoethane (EDB)	100	BDL			
Chlorobenzene	100	BDL			
Ethylbenzene	100	BDL			
1,1,1,2-Tetrachloroethane	100	BDL			
p/m-Xylene	100	BDL			
o-Xylene	100	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-15-98
Lab No.	: 898143	Date Analyzed :	8-15-98
PO No.	: 40203		
Rep. Date	: 8-26-98	Analyst	: YK

EPA METHOD 8260 GC/MS **Date Samples Rec'd:** 8-12-98

Matrix Type :		O			
CTL Sample No.		10227			
Field ID :		Drum			
	MDL				
Styrene	100	BDL			
Bromoform	100	BDL			
Isopropylbenzene	100	BDL			
1,1,2,2-Tetrachloroethane	100	BDL			
Bromobenzene	100	BDL			
1,2,3-Trichloropropane	100	BDL			
n-Propylbenzene	100	469.0			
2-Chlorotoluene	100	BDL			
1,3,5-Trimethylbenzene	100	22,624.0			
4-Chlorotoluene	100	BDL			
tert-Butylbenzene	100	BDL			
1,2,4-Trimethylbenzene	100	10,139.0			
sec-Butylbenzene	100	BDL			
p-Isopropyltoluene	100	4,941.0			
1,3-Dichlorobenzene	100	BDL			
1,2,3-Trimethylbenzene	100	BDL			
1,4-Dichlorobenzene	100	BDL			
n-Butylbenzene	100	BDL			
1,2-Dichlorobenzene	100	BDL			
1,2Dibromo-3-chloropropane	100	BDL			
1,2,4-Trichlorobenzene	200	BDL			
Hexachlorobutadiene	200	BDL			
Naphthalene	200	BDL			
1,2,3-Trichlorobenzene	200	BDL			

Sample matrix interfered with surrogate recoveries.

MDL= Minimum Detectable Level/**BDL=** Below Detection Level/**UNITS=** PPB

Matrix Type: W= Water/Aqueous **S=** Soil/Solid **O=**Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8-12-98

Client Name: **VHB, Inc.**	CTL Lab. No. 898143
Report Date: 8-26-98	PO/Job No. 40203

QUALITY CONTROL DATA

EPA 418.1

	LSB TV	LSB Results	Method Blank	
Oil & Grease (TPH)-ppm	604	590	ND<25	

EPA 8080

	LSB TV	LSB Results	Method Blank	
Total PCBs-ppm	39.0	32.1	ND<1	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-18-98
Lab No.	: 898143	Date Analyzed :	8-19-98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 8-26-98		

EPA METHOD 8270C Modified Date Samples Rec'd: 8-12-98

QUALITY CONTROL DATA

	MDL	LSB TV	LSB Results	Method Blank	
Acenaphthene	100			BDL	
Acenaphthylene	100	150.0	158.0	BDL	
Anthracene	100	150.0	131.0	BDL	
Benzidine	100			BDL	
Benzo(a)anthracene	100	150.0	175.0	BDL	
Benzo(a)pyrene	100	150.0	138.0	BDL	
3,4-Benzofluoranthene	100	150.0	178.0	BDL	
Benzo(ghi)perylene	500			BDL	
Benzo(k)fluoranthene	100	150.0	175.0	BDL	
Bis(2-chloroethoxy)methane	100			BDL	
Bis(2-Chloroethyl)Ether	100			BDL	
Bis(2chloroisopropyl)ether	100			BDL	
Bis(2-ethylhexyl)phthalate	100			BDL	
4-Bromophenylphenyl ether	100			BDL	
Butylbenzyl phthalate	100			BDL	
2-Chloronaphthalene	100			BDL	
4-Chlorophenyl phenylether	100			BDL	
Chrysene	100	150.0	180.0	BDL	
Dibenzo(a,H)anthracene	500			BDL	
1,2-Dichlorobenzene	100			BDL	
1,3-Dichlorobenzene	100			BDL	
1,4-Dichlorobenzene	100			BDL	
3,3-Dichlorobenzidine	100			BDL	
Diethyl phthalate	100			BDL	
Dimethyl phthalate	100			BDL	
Di-n-butyl phthalate	100			BDL	
2,4-Dinitrotoluene	100			BDL	
2,6-Dinitrotoluene	100			BDL	
Di-n-octyl phthalate	100			BDL	
1,2-Diphenylhydrazine	100			BDL	
Fluoranthene	100	150.0	155.0	BDL	
Fluorene	100	150.0	153.0	BDL	
Hexachlorobenzene	100			BDL	
Hexachlorobutadiene	100			BDL	

LSB = Laboratory Spiked Blank

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: **VHB, Inc.**	Date Extracted:	8-18-98
Lab No.	: 898143	Date Analyzed :	8-19-98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 8-26-98		

EPA METHOD 8270C Modified Date Samples Rec'd: 8-12-98

QUALITY CONTROL DATA

	MDL	LSB TV	LSB Results	Method Blank	
Hexachlorocyclopentadiene	100			BDL	
Hexachloroethane	100			BDL	
Indeno(1,2,3-cd)pyrene	500			BDL	
Isophorone	100			BDL	
Naphthalene	100	150.0	151.0	BDL	
Nitrobenzene	100			BDL	
N-Nitrosodimethylamine	100			BDL	
N-Nitrosodi-n-propylamine	100			BDL	
N-Nitrosodiphenylamine	100			BDL	
Phenanthrene	100	150.0	156.0	BDL	
Pyrene	100	150.0	154.0	BDL	
1,2,4-Trichlorobenzene	100			BDL	
2-Chlorophenol	500			BDL	
2,4-Dichlorophenol	500			BDL	
2,4-Dimethylphenol	500			BDL	
2-Methyl-46-dinitrophenol	500			BDL	
2,4-Dinitrophenol	500			BDL	
2-Nitrophenol	500			BDL	
4-Nitrophenol	500			BDL	
4-Chloro-3-methylphenol	500			BDL	
Pentachlorophenol	500			BDL	
Phenol	500			BDL	
2,4,6-Trichlorophenol	500			BDL	

LSB = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-14-98
Lab No.	: 898143	Date Tested	: 8-14-98
PO No.	: 40203		
Rep. Date	: 8-26-98	Analyst	: DMG

EPA METHOD 602/8021B **Date Samples Rec'd:** 8-12-98

QUALITY CONTROL DATA

	MDL	LSB TV	LSB Results	Method Blank	
Benzene	20	20.0	21.0	BDL	
Toluene	25	20.0	19.0	BDL	
Chlorobenzene	25	20.0	19.0	BDL	
Ethyl Benzene	25	20.0	18.0	BDL	
P & M Xylene	25			BDL	
O-Xylene	25			BDL	
1,4-Dichlorobenzene	25	20.0	18.0	BDL	
1,3-Dichlorobenzene	25	20.0	18.0	BDL	
1,2-Dichlorobenzene	25	20.0	19.0	BDL	
1,4-Dichlorobutane (SR)	---	---	100	95	
2Bromo-1-Chloropropane(SR)	---	---	96	88	

LSB = Laboratory Spiked Blank

SR = Surrogate Recovery - percent

MDL = Minimum Detectable Level/ **BDL** = Below Detection Level/ **UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-15-98
Lab No.	: 898143	Date Analyzed :	8-15-98
PO No.	: 40203		
Rep. Date	: 8-26-98	Analyst :	YK

EPA METHOD 8260 GC/MS **Date Samples Rec'd:** 8-12-98

QUALITY CONTROL DATA

	MDL	LSB TV	LSB Results	Method Blank	
Dichlorodifluoromethane	200			BDL	
Chloromethane	200			BDL	
Vinyl chloride	200			BDL	
Chloroethane	200			BDL	
Bromomethane	200			BDL	
Trichlorofluoromethane	100			BDL	
1,1-Dichloroethylene	100	20.0	19.0	BDL	
Methylene chloride	100			BDL	
trans-1,2-Dichloroethylene	100			BDL	
1,1-Dichloroethane	100	20.0	16.0	BDL	
2,2-Dichloropropane	100			BDL	
cis-1,2-Dichloroethylene	100	20.0	16.0	BDL	
Chloroform	100			BDL	
Bromochloromethane	100			BDL	
1,1,1-Trichloroethane	100	20.0	16.0	BDL	
1,1-Dichloropropylene	100			BDL	
Carbon tetrachloride	100			BDL	
Benzene	100	20.0	17.0	BDL	
1,2-Dichloroethane	100			BDL	
Trichloroethylene	100			BDL	
1,2-Dichloropropane	100			BDL	
Bromodichloromethane	100			BDL	
Dibromomethane	100			BDL	
cis-1,3-Dichloropropylene	100			BDL	
Toluene	100			BDL	
t-1,3-Dichloropropylene	100			BDL	
1,1,2-Trichloroethane	100			BDL	
Tetrachloroethylene	100			BDL	
1,3-Dichloropropane	100			BDL	
Dibromochloromethane	100			BDL	
1,2-Dibromoethane (EDB)	100			BDL	
Chlorobenzene	100			BDL	
Ethylbenzene	100	20.0	18.0	BDL	
1,1,1,2-Tetrachloroethane	100			BDL	
p/m-Xylene	100			BDL	
o-Xylene	100			BDL	

LSB = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8-15-98
Lab No.	: 898143	Date Analyzed :	8-15-98
PO No.	: 40203		
Rep. Date	: 8-26-98	Analyst :	YK

EPA METHOD 8260 GC/MS **Date Samples Rec'd:** 8-12-98

QUALITY CONTROL DATA

	MDL	LSB TV	LSB Results	Method Blank	
Styrene	100			BDL	
Bromoform	100			BDL	
Isopropylbenzene	100			BDL	
1,1,2,2-Tetrachloroethane	100	20.0	17.0	BDL	
Bromobenzene	100			BDL	
1,2,3-Trichloropropane	100			BDL	
n-Propylbenzene	100			BDL	
2-Chlorotoluene	100			BDL	
1,3,5-Trimethylbenzene	100			BDL	
4-Chlorotoluene	100			BDL	
tert-Butylbenzene	100			BDL	
1,2,4-Trimethylbenzene	100			BDL	
sec-Butylbenzene	100			BDL	
p-Isopropyltoluene	100			BDL	
1,3-Dichlorobenzene	100	20.0	19.0	BDL	
1,2,3-Trimethylbenzene	100			BDL	
1,4-Dichlorobenzene	100	20.0	19.0	BDL	
n-Butylbenzene	100			BDL	
1,2-Dichlorobenzene	100	20.0	19.0	BDL	
1,2Dibromo-3-chloropropane	100			BDL	
1,2,4-Trichlorobenzene	200			BDL	
Hexachlorobutadiene	200			BDL	
Naphthalene	200			BDL	
1,2,3-Trichlorobenzene	200			BDL	
Dibromofluoromethane (SR)	---		70	80	
Toluene-d8 (SR)	---		69	82	

LSB = Laboratory Spiked Blank

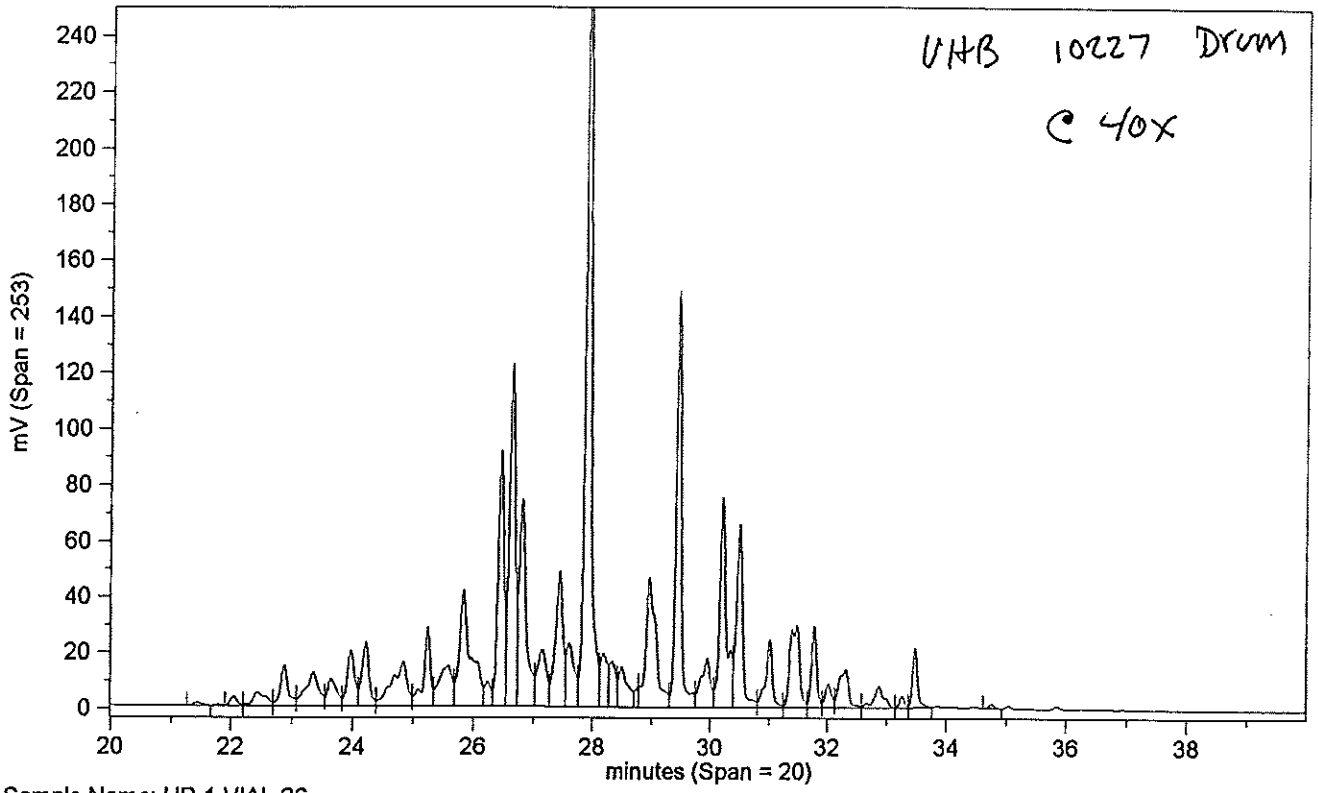
SR = Surrogate Recovery - percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

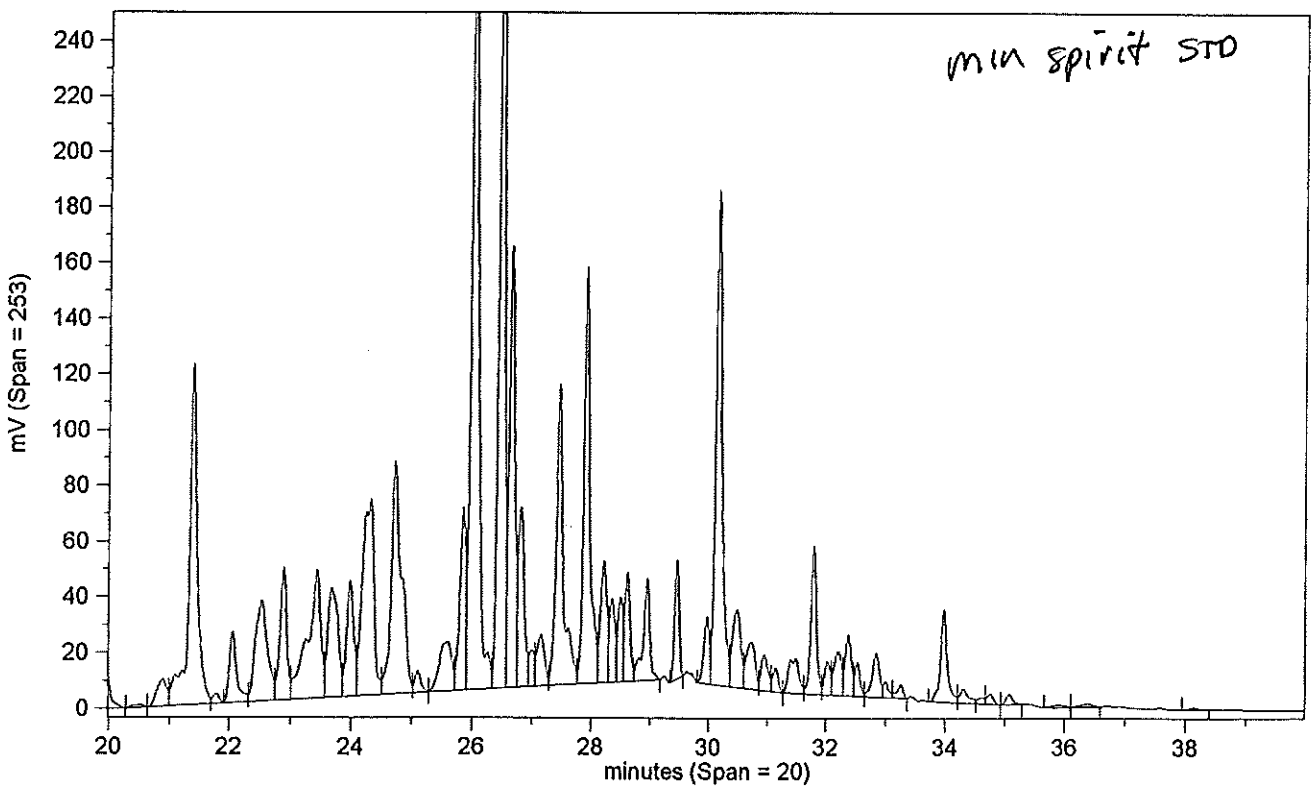
Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Sample Name: HP-1 VIAL 26



Sample Name: HP-1 VIAL 26



LAB TRACKING No. 898143

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) DEBORAH K WOJCICKI
Signature : Deborah K Wojcicki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES
1	DRUM	8/10/98	SLUDGE	GLASS	—	
2	TP-21	8/12/98	SOIL	GLASS	—	125 ml
3	TP-23	8/12/98	SOIL	GLASS		(2) 125 ml
4	TP-24	8/12/98	SOIL	GLASS		125 ml
5						
6						
7						
8						

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
TCLP METALS S/W									
TCLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
TCLP PEST/HERB - 8									
TCLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN		✓							
015 SCAN									
8240 SCAN									
624 SCAN									
625 SCAN									
604 SCAN									
608 / 8080 FULL SCAN									
608 / 8080 PCB ONLY									
8260 SCAN									
8100 (PAH) SCAN									
TOC									
TOX									
Pb % (PAINT CHIPS)									
WATER POTABILITY									
EDB SCAN									
COLIFORM BACTERIA									

REF CTL QUOTE ID: SFVHB73A.WK4
See attached for Drum Sample

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1		✓	✓	✓					
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									
EXTRA PARAMETERS - PLEASE LIST SEPARATELY									
8270 (BNE only)		✓							

RELINQ BY:	Date 8/12/98	RELINQ BY:	Date
	Time 3:40 PM		Time
REC'D BY: Maureen McMahon	Date 8/12/98	REC'D BY:	Date
	Time 3:40		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

Resubmitted with Thallium data on 9/15/98
September 2, 1998

RECEIVED
SEP 16 1998
...ANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Ms. Debbie Wojcicki

Please find attached laboratory report(s) for the samples submitted on :
August 14, 1998

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	:	898180
PO/JOB No.	:	NA
INVOICE No.	:	73973
ORDER No.	:	54336
CUSTOMER No.	:	957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/14/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898180
Report Date: 8/31/98	PO/Job No. NA

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10315**	**10316**	**10317**	**10318**
Field Id.	**TP-27**	**TP-28**	**TP-31**	**TP-38**
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	0.02	0.15	0.02	0.02
Lead-mg/L	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Nickel-mg/L	ND<0.05	4.05	0.49	ND<0.05
Thallium-mg/L	ND<0.002	ND<0.002	ND<0.002	ND<0.002
Zinc-mg/L	0.31	2.56	0.12	0.07

SPLP EXTRACTION

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10315**	**10316**	**10317**	**10318**
Field Id.	**TP-27**	**TP-28**	**TP-31**	**TP-38**
Cyanide, Total-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/14/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898180
Report Date: 8/31/98	PO/Job No. NA

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10315**	**10316**	**10317**	**10318**
Field Id.	**TP-27**	**TP-28**	**TP-31**	**TP-38**
Arsenic-mg/kg	20.1	52.0	10.6	28.0
Copper-mg/kg	58.2	29,000	679	284
Lead-mg/kg	128	221	132	501
Nickel-mg/kg	7.4	23,400	229	84.0
Thallium-mg/kg	ND<5	ND<5	ND<5	ND<5
Zinc-mg/kg	24.2	6,800	177	155

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10315**	**10316**	**10317**	**10318**
Field Id.	**TP-27**	**TP-28**	**TP-31**	**TP-38**
Cyanide, Total-ppm	ND<1.0	3.8	ND<1.0	3.1

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No. 898180

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojacki
Send Bill To : VHB PO#:

Samples Collected By (Print) DKW / SCB
Signature : Deborah K Wojacki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES
1	TP-27	8/13/98	SOIL	GLASS	–	250 ml
2	TP-28	8/13/98	SOIL	GLASS	–	250 ml
3	TP-31	8/13/98	SOIL	GLASS	–	250 ml
4	TP-38	8/13/98	SOIL	GLASS	–	250 ml
5						
6						
7						
8						

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
ETALS, TOTAL WTR-8									
ETALS, TOTAL SOIL-8									
EPTOX METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
02 / 8020 SCAN									
15 SCAN									
8240 SCAN									
624 SCAN									
5 SCAN									
04 SCAN									
608 / 8080 FULL SCAN									
8 / 8080 PCB ONLY									
260 SCAN									
8100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
OB SCAN									
COLIFORM BACTERIA									

CTL QUOTE # SE VHB 37A. WK 4

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓	✓	✓	✓					
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

	1	2	3	4	5	6	7	8
8270 (BNE)	✓	✓	✓	✓				
Arsenic (TH & SPLP)	✓	✓	✓	✓				
Copper (TH & SPLP)	✓	✓	✓	✓				
Lead (TH & SPLP)	✓	✓	✓	✓				
Nickel (TH & SPLP)	✓	✓	✓	✓				
Thallium (TH & SPLP)	✓	✓	✓	✓				
Zinc (TH & SPLP)	✓	✓	✓	✓				
Cyanide (TH & SPLP)	✓	✓	✓	✓				

RELINQ BY:	Date 8/14/98	RELINQ BY:	Date
	Time 1:00		Time
REC'D BY:	Date 8/14/98	REC'D BY:	Date
	Time 1:00		Time

ease fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

ATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

LAB TRACKING No.

CONNECTICUT TESTING LABORATORIES, INC
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#:

Samples Collected By (Print) DKW / SLB
Signature : Deborah K Wojcicki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMP VOLUM
1	TANK PRODUCT	8/13/98	OIL	GLASS	–	125
2	TP-33N	8/13/98	SOIL	GLASS	–	125
3	TP-33S	8/13/98	SOIL	GLASS	–	125
4	TP-33	8/13/98	SOIL	GLASS	–	125
5	TP-34	8/13/98	SOIL	GLASS	–	250
6	TP-35	8/13/98	SOIL	GLASS	–	250
7						
8						

ANALYSIS...	1	2	3	4	5	6	7	8
METALS, DISS. WTR-3								
METALS, TOTAL WTR-3								
METALS, TOTAL SOIL-3								
EPTOX METALS S / W								
TCLP METALS S / W -								
TCLP VOLATILES - 11								
TCLP SEMI VOL. - 13								
TCLP PEST/HERB - 8								
TCLP COMPLETE - 40								
601 / 8010 SCAN								
602 / 8020 SCAN								
8015 SCAN								
8240 SCAN								
624 SCAN								
625 SCAN								
604 SCAN								
608 / 8080 FULL SCAN								
608 / 8080 PCB ONLY								
8260 SCAN								
8100 (PAH) SCAN								
TOC								
TOX								
Pb % (PAINT CHIPS)								
WATER POTABILITY								
EDB SCAN								
COLIFORM BACTERIA								

NOTES: * RUN PCBs by SPLP on highest PCB sample.

CTL QUOTE # SFVHB374.WEA

ANALYSIS...	1	2	3	4	5	6	7	8
pH / SPEC COND.								
COPPER / NICKEL								
TSS / TDS								
NITRATE-N / NITRITE-N								
CN - TOT. / CN - AMEN.								
BOD (5) (20) / COD								
AMMONIA - N / TKN								
TPH - EPA 418.1				✓	✓	✓		
OIL & GR. EPA 413.2								
FILTER SAMPLES								
PRESERVE SAMPLES								
EXTRA PARAMETERS - PLEASE LIST SEPAR								
8100 Product ID	✓							
8270 BNE				✓	✓	✓		
PCBs (8080)		✓	✓		✓	✓		
PCBs (SPLP)*		✓	✓					

RELINQ BY: [signature]	Date 8/14/98 Time 1:00	RELINQ BY:	Date Time
REC'D BY: Maureen McMahon	Date 8/14/98 Time 1:00	REC'D BY:	Date Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number aft refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON

PRESERVATIONS A = ACID B = BASE C = COOL N =

September 8, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **August 19, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898255
PO/JOB No.	: 40203
INVOICE No.	: 74035
ORDER No.	: 54398
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

September 8, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Debbie

The following is an itemization for Invoice #74035.

Description	Qty	Amount	Total	
SPLP Extraction	14	$ 25.00	$ 350.00	
Mass Analysis	7	15.00	105.00	
Sub-Total (Standard Pricing)				455.00
Arsenic	23	7.00	161.00	
Lead	23	7.00	161.00	
Thallium	23	7.00	161.00	
Copper	14	7.00	98.00	
Nickel	14	7.00	98.00	
Zinc	14	7.00	98.00	
Cyanide	14	18.00	252.00	
TPH	7	45.00	315.00	
Sub-Total (subject to 25% discount)			1,344.00	
Quote SFVHB73A.wk4		25% Credit	(336.00)	
				1,008.00
		TOTAL AMOUNT DUE		1,463.00

If you have any further questions, feel free to call us.

Sincerely,

Stephen J. Franco
Laboratory Directory PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10514**	**10515**	**10516**	**10517**
Field Id.	**B-37**	**B-38**	**B-39**	**B-40**
Arsenic-mg/kg	38.4	96.1	4.4	1.5
Lead-mg/kg	11.8	43.0	27.9	15.8
Thallium-mg/kg	ND<10	ND<10	ND<10	ND<10
Copper-mg/kg	26.3	149	95.1	14.3
Nickel-mg/kg	10.0	17.6	20.9	12.6
Zinc-mg/kg	36.8	48.9	59.0	35.7

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10514**	**10515**	**10516**	**10517**
Field Id.	**B-37**	**B-38**	**B-39**	**B-40**
Cyanide, Total-ppm	ND<1	ND<1	ND<1	ND<1
Oil & Grease (TPH)-ppm	7,880	6,760	ND<25	38

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10518**	**10519**	**10520**	
Field Id.	**B-42**	**B-43**	**B-36**	
Arsenic-mg/kg	2.3	4.2	15.7	
Lead-mg/kg	13.2	325	20.2	
Thallium-mg/kg	ND<10	ND<10	ND<10	
Copper-mg/kg	7.1	2,240	669	
Nickel-mg/kg	10.9	321	10.7	
Zinc-mg/kg	32.2	187	39.6	

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10518**	**10519**	**10520**	
Field Id.	**B-42**	**B-43**	**B-36**	
Cyanide, Total-ppm	ND<1	ND<1	ND<1	
Oil & Grease (TPH)-ppm	ND<25	144	ND<25	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10514**	**10515**	**10516**	**10517**
Field Id.	**B-37**	**B-38**	**B-39**	**B-40**
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Lead-mg/L	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Thallium-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Copper-mg/L	ND<0.01	0.03	ND<0.01	ND<0.01
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05
Zinc-mg/L	0.07	0.09	ND<0.05	ND<0.05
Cyanide-mg/L	ND<0.05	ND<0.05	ND<0.05	ND<0.05

SPLP EPA 1312

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10518**	**10519**	**10520**	
Field Id.	**B-42**	**B-43**	**B-36**	
Arsenic-mg/L	ND<0.05	ND<0.05	ND<0.05	
Lead-mg/L	0.010	ND<0.005	ND<0.005	
Thallium-mg/L	ND<0.05	ND<0.05	ND<0.05	
Copper-mg/L	0.04	ND<0.01	0.01	
Nickel-mg/L	ND<0.05	ND<0.05	ND<0.05	
Zinc-mg/L	0.10	1.42	ND<0.05	
Cyanide-mg/L	ND<0.05	ND<0.05	ND<0.05	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

QUALITY CONTROL DATA

Mass Analysis EPA 3050A

	LSB Conc.	LSB Result	Advisory Range	Method Blank
Arsenic-mg/kg	71.5	71.5	53.2-89.9	ND<1.0
Lead-mg/kg	143	152	109-177	ND<0.5
Thallium-mg/kg	81.2	90.0	46.5-116	ND<10
Copper-mg/kg	178	180	143-213	ND<0.5
Nickel-mg/kg	73.6	74.0	57.6-89.6	ND<0.5
Zinc-mg/kg	91.0	96.0	70.3-112	ND<0.5

	LSB Conc.	LSB Result	Method Blank	
Oil & Grease (TPH)-ppm	604	590	ND<25	
Cyanide, Total-ppm	40	35	ND<1.0	

Source of LSB - ERA PPS-46 Lot 234

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

QUALITY CONTROL DATA

Mass Analysis EPA 3050A

CTL Sample No.	Duplicate Analysis 10519	LSM Conc.	LSM Results 10519	% Recovery 10519
Arsenic-mg/kg	4.0	71.5	69.2	92
Lead-mg/kg	434	143	545	115
Thallium-mg/kg	ND<10	81.2	100	123
Nickel-mg/kg	337	73.6	408	96
Zinc-mg/kg	193	91.0	284	100

	Duplicate Analysis 10517	LSM Conc.	LSM Results	* % Recovery
Oil & Grease (TPH)-ppm	47	500	800	147
Cyanide, Total-ppm	ND<1.0	1.3	1.2	92

LSM = Laboratory Spiked Matrix

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

* Based on the average of the original and duplicate data.

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

QUALITY CONTROL DATA

SPLP EPA 1312

	LSB Conc.	LSB Result	Method Blank	
Arsenic-mg/L	0.085	0.084	ND<0.05	
Lead-mg/L	0.065	0.060	ND<0.005	
Thallium-mg/L	0.075	0.075	ND<0.05	
Copper-mg/L	1.10	1.12	ND<0.01	
Nickel-mg/L	0.30	0.30	ND<0.05	
Zinc-mg/L	0.65	0.68	ND<0.05	
Cyanide-mg/L	0.48	0.47	ND<0.05	

LSB = Laboratory Spiked Blank

RECEIVED
SEP 1998
VANASSE HANGEN BRUSTLIN

Resubmitted with Thallium data on 9/15/98
September 8, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on :
August 19, 1998

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898255
PO/JOB No.	: 40203
INVOICE No.	: 74035
ORDER No.	: 54398
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10514**	**10515**	**10516**	**10517**
Field Id.	**B-37**	**B-38**	**B-39**	**B-40**
Arsenic-mg/kg	38.4	96.1	4.4	1.5
Lead-mg/kg	11.8	43.0	27.9	15.8
Thallium-mg/kg	ND<5	ND<5	ND<5	ND<5
Copper-mg/kg	26.3	149	95.1	14.3
Nickel-mg/kg	10.0	17.6	20.9	12.6
Zinc-mg/kg	36.8	48.9	59.0	35.7

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10514**	**10515**	**10516**	**10517**
Field Id.	**B-37**	**B-38**	**B-39**	**B-40**
Cyanide, Total-ppm	ND<1	ND<1	ND<1	ND<1
Oil & Grease (TPH)-ppm	7,880	6,760	ND<25	38

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898255
Report Date: 9/4/98	PO/Job No. 40203

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10518**	**10519**	**10520**	
Field Id.	**B-42**	**B-43**	**B-36**	
Arsenic-mg/kg	2.3	4.2	15.7	
Lead-mg/kg	13.2	325	20.2	
Thallium-mg/kg	ND<5	ND<5	ND<5	
Copper-mg/kg	7.1	2,240	669	
Nickel-mg/kg	10.9	321	10.7	
Zinc-mg/kg	32.2	187	39.6	

Matrix Type	**S**	**S**	**S**	
CTL Sample No.	**10518**	**10519**	**10520**	
Field Id.	**B-42**	**B-43**	**B-36**	
Cyanide, Total-ppm	ND<1	ND<1	ND<1	
Oil & Grease (TPH)-ppm	ND<25	144	ND<25	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN BOURASSA
Signature: [signature]

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B-37	8/18/98	SOIL	GLASS		125 ml	(2)
2	B-38	8/18/98	SOIL	GLASS		125 ml	(2)
3	B-39	8/18/98	SOIL	GLASS		125 ml	(2)
4	B-40	8/18/98	SOIL	GLASS		125 ml	(2)
5	B-42	8/18/98	SOIL	GLASS		125 ml	(2)
6	B-43	8/18/98	SOIL	GLASS		125 ml	(2)
7	B-36	8/18/98	SOIL	GLASS		125 ml	(2)
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									Detection limits - CT RSRS
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
02 / 8020 SCAN									
015 SCAN									
8240 SCAN									
624 SCAN									
25 SCAN									
604 SCAN									
608 / 8080 FULL SCAN									
08 / 8080 PCB ONLY									
8260 SCAN									
8100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
DB SCAN									
COLIFORM BACTERIA									

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓	✓	✓	✓	✓	✓	✓		
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									
EXTRA PARAMETERS - PLEASE LIST SEPARATELY									
Arsenic (TCL & SPLP)	✓	✓	✓	✓	✓	✓	✓		
Copper (TCL & SPLP)	✓	✓	✓	✓	✓	✓	✓		
lead (TCL & SPLP)	✓	✓	✓	✓	✓	✓	✓		
nickel (TCL & SPLP)	✓	✓	✓	✓	✓	✓	✓		
thallium (TCL & SPLP)	✓	✓	✓	✓	✓	✓	✓		
zinc (TCL & SPLP)	✓	✓	✓	✓	✓	✓	✓		
Cyanide (TCL & SPLP)	✓	✓	✓	✓	✓	✓	✓		

RELINQ BY: [signature]	Date 8/19/98	RELINQ BY:	Date
	Time 5:07 PM		Time
REC'D BY: [signature]	Date 8/19	REC'D BY:	Date
	Time 5:07 PM		Time

...ill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte ...er of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

September 9, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **August 21, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898297
PO/JOB No.	: 40203
INVOICE No.	: 74073
ORDER No.	: 54436
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898297
Report Date: 9/8/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**				
CTL Sample No.	**10620**				
Field Id.	**B-37**				
Arsenic-mg/L	ND<0.05				
Barium-mg/L	ND<0.5				
Cadmium-mg/L	ND<0.005				
Chromium, Total-mg/L	ND<0.05				
Lead-mg/L	0.035				
Mercury-mg/L	ND<0.002				
Selenium-mg/L	ND<0.01				
Silver-mg/L	0.01				

Matrix Type	**S**				
CTL Sample No.	**10620**				
Field Id.	**B-37**				
pH	5.1				
Reactive Cyanide-ppm	ND<1				
Reactive Sulfide-ppm	ND<50				
Total PCBs-ppm	ND<1				
Flashpoint °F	>200				
Cyanide, Total-ppm	ND<1.0				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**
Report Date: 9/8/98

CTL Lab. No. 898297
PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Result	* 95% Confidence Interval	Method Blank
Arsenic-mg/L	0.085	0.083	0.068-0.102	ND<0.05
Barium-mg/L	1.00	0.95	0.085-1.15	ND<0.5
Cadmium-mg/L	0.075	0.064	0.060-0.090	ND<0.005
Chromium, Total-mg/L	0.45	0.46	0.38-0.52	ND<0.05
Lead-mg/L	0.065	0.056	0.046-0.085	ND<0.005
Mercury-mg/L	0.007	0.008	0.005-0.009	ND<0.002
Selenium-mg/L	0.055	0.046	0.044-0.066	ND<0.01
Silver-mg/L	0.15	0.13	0.13-0.17	ND<0.01

Source of Laboratory Spiked Blank - ERA Lot No. 3419

	LSB Conc.	LSB Result	Method Blank	
pH	6.7	6.8	NA	
Reactive Sulfide-ppm	3,370	1,138	ND<50	
Total PCBs-ppm	10.0	10.7	ND<1	
Flashpoint °F	140	136	>200	
Cyanide, Total-ppm	40.0	34.7	ND<1.0	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
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LAB TRACKING No. 898297

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) Deborah Wojcicki
Signature : Deborah K Wojcicki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	S-37	8/21/98	SOIL	GLASS		125 ml	(2)
2							
3							
4							
5							
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS , TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S / W									
TCLP METALS S / W									
TCLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
TCLP PEST/HERB - 8									
TCLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN									
8015 SCAN									
8240 SCAN									
624 SCAN									
625 SCAN									
604 SCAN									
608 / 8080 FULL SCAN									
608 / 8080 PCB ONLY									
8260 SCAN									
8100 (PAH) SCAN									
TOC									
TOX									
Pb % (PAINT CHIPS)									
WATER POTABILITY									
EDB SCAN									
COLIFORM BACTERIA									

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1									
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

flash point	✓								
pH	✓								
reactive sulfide	✓								
reactive cyanide	✓								
total cyanide	✓								
8080 (PCBs only)	✓								
TCLP 8 metals	✓								

RELINQ BY:	Date 8/21/98	RELINQ BY:	Date
	Time 4:30 PM		Time
REC'D BY: Maureen McMahon	Date 8/21/98	REC'D BY:	Date
	Time 4:30		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON

PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

September 4, 1998

RECEIVED
SEP 9 1998
VANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **August 19, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898253
PO/JOB No.	: 40203
INVOICE No.	: 74016
ORDER No.	: 54379
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898253
Report Date: 9/3/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**				
CTL Sample No.	**10508**				
Field Id.	**B-46**				
Arsenic-mg/L	ND<0.05				
Barium-mg/L	0.6				
Cadmium-mg/L	ND<0.005				
Chromium, Total-mg/L	ND<0.05				
Lead-mg/L	0.039				
Mercury-mg/L	ND<0.002				
Selenium-mg/L	ND<0.01				
Silver-mg/L	ND<0.01				

Matrix Type	**S**				
CTL Sample No.	**10508**				
Field Id.	**B-46**				
pH	6.3				
Cyanide, Total-ppm	ND<1.0				
Reactive Cyanide-ppm	ND<1.0				
Reactive Sulfide-ppm	ND<50				
Flashpoint ^{o}F	>200				
Total PCBs-ppm	ND<1				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898253
Report Date: 9/3/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Matrix Type: S

Field Id.	CTL #	Oil & Grease (TPH)-ppm			Arsenic -mg/kg	
B-44	10506	88			17.8	
B-45	10507	116			5.8	
B-46	10508	48			8.5	
B-48	10509	36			28.1	
B-49	10510	1,368			---	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898253	Date Analyzed :	9/1-9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/3/98		

EPA METHOD 8270C Modified Date Samples Rec'd: 8/19/98

Matrix Type :		S	S		
CTL Sample No.		10506	10508		
Field ID		B-44	B-46		
	MDL				
Acenaphthene	100	BDL	2,452.0		
Acenaphthylene	100	206.0	642.0		
Anthracene	100	326.0	7,228.0		
Benzidine	100	BDL	BDL		
Benzo(a)anthracene	100	1,046.0	4,770.0		
Benzo(a)pyrene	100	1,196.0	3,389.0		
3,4-Benzofluoranthene	100	944.0	7,616.0		
Benzo(ghi)perylene	500	836.0	1,338.0		
Benzo(k)fluoranthene	100	404.0	710.0		
Bis(2-chloroethoxy)methane	100	BDL	BDL		
Bis(2-Chloroethyl)Ether	100	BDL	BDL		
Bis(2chloroisopropyl)ether	100	BDL	BDL		
Bis(2-ethylhexyl)phthalate	100	BDL	BDL		
4-Bromophenylphenyl ether	100	BDL	BDL		
Butylbenzyl phthalate	100	BDL	BDL		
2-Chloronaphthalene	100	BDL	BDL		
4-Chlorophenyl phenylether	100	BDL	BDL		
Chrysene	100	1,587.0	3,815.0		
Dibenzo(a,H)anthracene	500	BDL	BDL		
1,2-Dichlorobenzene	100	BDL	BDL		
1,3-Dichlorobenzene	100	BDL	BDL		
1,4-Dichlorobenzene	100	BDL	BDL		
3,3-Dichlorobenzidine	100	BDL	BDL		
Diethyl phthalate	100	BDL	BDL		
Dimethyl phthalate	100	BDL	BDL		
Di-n-butyl phthalate	100	BDL	BDL		
2,4-Dinitrotoluene	100	BDL	BDL		
2,6-Dinitrotoluene	100	BDL	BDL		
Di-n-octyl phthalate	100	BDL	BDL		
1,2-Diphenylhydrazine	100	BDL	BDL		
Fluoranthene	100	1,831.0	16,917.0		
Fluorene	100	BDL	6,243.0		
Hexachlorobenzene	100	BDL	BDL		
Hexachlorobutadiene	100	BDL	BDL		

MDL = Minimum Detectable Level/BDL = Below Detection Level/UNITS = PPB

Matrix Type: W = Water/Aqueous S = Soil/Solid O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898253	Date Analyzed :	9/1-9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/3/98		

EPA METHOD 8270C Modified Date Samples Rec'd: 8/19/98

Matrix Type :		S	S		
CTL Sample No.		10506	10508		
Field ID		B-44	B-46		
	MDL				
Hexachlorocyclopentadiene	100	BDL	BDL		
Hexachloroethane	100	BDL	BDL		
Indeno(1,2,3-cd)pyrene	500	1,075.0	1,310.0		
Isophorone	100	BDL	BDL		
Naphthalene	100	121.0	1,234.0		
Nitrobenzene	100	BDL	BDL		
N-Nitrosodimethylamine	100	BDL	BDL		
N-Nitrosodi-n-propylamine	100	BDL	BDL		
N-Nitrosodiphenylamine	100	BDL	BDL		
Phenanthrene	100	1,097.0	21,511.0		
Pyrene	100	1,843.0	12,397.0		
1,2,4-Trichlorobenzene	100	BDL	BDL		
2-Chlorophenol	500	BDL	BDL		
2,4-Dichlorophenol	500	BDL	BDL		
2,4-Dimethylphenol	500	BDL	BDL		
2-Methyl-46-dinitrophenol	500	BDL	BDL		
2,4-Dinitrophenol	500	BDL	BDL		
2-Nitrophenol	500	BDL	BDL		
4-Nitrophenol	500	BDL	BDL		
4-Chloro-3-methylphenol	500	BDL	BDL		
Pentachlorophenol	500	BDL	BDL		
Phenol	500	BDL	BDL		
2,4,6-Trichlorophenol	500	BDL	BDL		
Acenaphthene-d10 (SR)	---	93	95		
Phenanthrene-d10 (SR)	---	128	41		

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

SR = Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898253
Report Date: 9/3/98	PO/Job No. 40203

QUALITY CONTROL DATA

Mass Analysis EPA 3050A

	LSB Conc.	LSB Result	Method Blank	
Arsenic-mg/kg	71.5	71.5	ND<1.0	

Source of LSB - ERA PPS-46 Lot 234

LSB = Laboratory Spiked Blank

	LSB Conc.	LSB Results	Method Blank	
Oil & Grease (TPH)-ppm	604	590	ND<25	

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898253	Date Analyzed :	9/1-9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/3/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 8/19/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Acenaphthene	100			BDL	
Acenaphthylene	100			BDL	
Anthracene	100			BDL	
Benzidine	100			BDL	
Benzo(a)anthracene	100			BDL	
Benzo(a)pyrene	100			BDL	
3,4-Benzofluoranthene	100			BDL	
Benzo(ghi)perylene	500			BDL	
Benzo(k)fluoranthene	100			BDL	
Bis(2-chloroethoxy)methane	100			BDL	
Bis(2-Chloroethyl)Ether	100			BDL	
Bis(2chloroisopropyl)ether	100			BDL	
Bis(2-ethylhexyl)phthalate	100			BDL	
4-Bromophenylphenyl ether	100			BDL	
Butylbenzyl phthalate	100			BDL	
2-Chloronaphthalene	100			BDL	
4-Chlorophenyl phenylether	100			BDL	
Chrysene	100			BDL	
Dibenzo(a,H)anthracene	500			BDL	
1,2-Dichlorobenzene	100			BDL	
1,3-Dichlorobenzene	100			BDL	
1,4-Dichlorobenzene	100	900.0	929.0	BDL	
3,3-Dichlorobenzidine	100			BDL	
Diethyl phthalate	100			BDL	
Dimethyl phthalate	100			BDL	
Di-n-butyl phthalate	100			BDL	
2,4-Dinitrotoluene	100	900.0	715.0	BDL	
2,6-Dinitrotoluene	100			BDL	
Di-n-octyl phthalate	100			BDL	
1,2-Diphenylhydrazine	100			BDL	
Fluoranthene	100			BDL	
Fluorene	100			BDL	
Hexachlorobenzene	100	900.0	968.0	BDL	
Hexachlorobutadiene	100	900.0	914.0	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898253	Date Analyzed :	9/1-9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/3/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 8/19/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Hexachlorocyclopentadiene	100			BDL	
Hexachloroethane	100	900.0	903.0	BDL	
Indeno(1,2,3-cd)pyrene	500			BDL	
Isophorone	100			BDL	
Naphthalene	100			BDL	
Nitrobenzene	100	900.0	929.0	BDL	
N-Nitrosodimethylamine	100			BDL	
N-Nitrosodi-n-propylamine	100			BDL	
N-Nitrosodiphenylamine	100			BDL	
Phenanthrene	100			BDL	
Pyrene	100			BDL	
1,2,4-Trichlorobenzene	100			BDL	
2-Chlorophenol	500			BDL	
2,4-Dichlorophenol	500			BDL	
2,4-Dimethylphenol	500			BDL	
2-Methyl-46-dinitrophenol	500			BDL	
2,4-Dinitrophenol	500			BDL	
2-Nitrophenol	500			BDL	
4-Nitrophenol	500			BDL	
4-Chloro-3-methylphenol	500			BDL	
Pentachlorophenol	500	900.0	913.0	BDL	
Phenol	500			BDL	
2,4,6-Trichlorophenol	500			BDL	
Acenaphthene-d10 (SR)	---		73	89	
Phenanthrene-d10 (SR)	---		73	78	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent/**LSB**= Laboratory Spiked Blank

Date Samples Received : 8/19/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898253
Report Date: 9/3/98	PO/Job No. 40203

QUALITY CONTROL DATA

TCLP EPA 1311

	LSB Conc.	LSB Results	Method Blank	
Arsenic-mg/L	0.085	0.084	ND<0.05	
Barium-mg/L	1.0	1.0	ND<0.5	
Cadmium-mg/L	0.075	0.066	ND<0.005	
Chromium, Total-mg/L	0.45	0.44	ND<0.05	
Lead-mg/L	0.065	0.060	ND<0.005	
Mercury-mg/L	0.007	0.007	ND<0.002	
Selenium-mg/L	0.055	0.048	ND<0.01	
Silver-mg/L	0.15	0.11	ND<0.01	

	LSB Conc.	LSB Results	Method Blank	
pH	6.7	6.8	ND<1	
Cyanide, Total-ppm	40	34.7	ND<1	
Reactive Sulfide-ppm	3,370	1,138	ND<50	
Total PCBs-ppm	10.0	10.7	ND<1	

LSB = Laboratory Spiked Blank

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Ubjicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN BOURASSA
Signature: [signature]

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☑ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B-44	8/19/98	SOIL	GLASS		125 ml	(2)
2	B-45	8/19/98	SOIL	GLASS		125 ml	(2)
3	B-46	8/19/98	SOIL	GLASS		125 ml	(4)
4	B-48	8/19/98	SOIL	GLASS		125 ml	(2)
5	B-49	8/19/98	SOIL	GLASS		125 ml	(1)
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
ETALS, TOTAL WTR-8									
ETALS, TOTAL SOIL-8									
EPTOX METALS S/W									
LP METALS S/W									
LP VOLATILES - 11									
TCLP SEMI VOL. - 13									
LP PEST/HERB - 8									
LP COMPLETE - 40									
601 / 8010 SCAN									
2 / 8020 SCAN									
15 SCAN									
8240 SCAN									
624 SCAN									
5 SCAN									
04 SCAN									
608 / 8080 FULL SCAN									
8 / 8080 PCB ONLY									
60 SCAN									
8100 (PAH) SCAN									
C									
X									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
B SCAN									
COLIFORM/BACTERIA									

Detection Limits CTRSRS

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓	✓	✓	✓	✓				
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

8270 (BNE)	✓		✓						
Arsenic (6010)	✓	✓	✓	✓					
Flashpoint			✓						
pH			✓						
reactive sulfide			✓						
reactive cyanide			✓						
total cyanide			✓						
8080 (PCBs only)			✓						
TCLP 8 metals			✓						

RELINQ BY: [signature]	Date 8/19/98	RELINQ BY:	Date
	Time 5:07 pm		Time
REC'D BY: [signature]	Date 8/19	REC'D BY:	Date
	Time 5:07		Time

...tly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte ...iated with that parameter. Where there are more than one item per line, please circle the desired test(s).

...L O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NON

ORIGINAL

September 10, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on :
August 21, 1998

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898301
PO/JOB No.	: 40203
INVOICE No.	: 74096
ORDER No.	: 54460
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898301
Report Date: 9/9/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**			
CTL Sample No.	**10632**			
Field Id.	**B51**			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	ND<0.5			
Cadmium-mg/L	ND<0.005			
Chromium, Total-mg/L	ND<0.05			
Lead-mg/L	0.018			
Mercury-mg/L	ND<0.002			
Selenium-mg/L	ND<0.01			
Silver-mg/L	ND<0.01			

Matrix Type	**S**			
CTL Sample No.	**10632**			
Field Id.	**B51**			
pH	5.5			
Reactive Cyanide-ppm	ND<1			
Reactive Sulfide-ppm	ND<50			
Total PCBs-ppm	ND<1			
Flashpoint °F	>200			
Cyanide, Total-ppm	3.0			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898301
Report Date: 9/9/98	PO/Job No. 40203

RESULTS OF ANALYSIS

EPA 418.1

Matrix Type: S

Field Id.	CTL #	Oil & Grease (TPH)-ppm				
B50	10511	4,332				
B53	10513	17,856				
B51	10632	20,700				
B52	10633	ND<25				
B55	10634	ND<25				
B57	10635	ND<25				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898301	Date Tested	: 8/26/98
PO No.	: 40203		
Rep. Date	: 9/9/98	Analyst	: DMG

EPA METHOD 602/8021B **Date Samples Rec'd:** 8/21/98

Matrix Type :		**S**			
CTL Sample #:		**10632**			
Field ID :		**B51**			
	MDL				
Benzene	20	BDL			
Toluene	25	BDL			
Chlorobenzene	25	BDL			
Ethyl Benzene	25	BDL			
P & M Xylene	25	BDL			
O-Xylene	25	BDL			
1,4-Dichlorobenzene	25	BDL			
1,3-Dichlorobenzene	25	BDL			
1,2-Dichlorobenzene	25	BDL			
1,4-Dichlorobutane (SR)	---	96			
2Bromo-1-Chloropropane(SR)	---	87			

SR = Surrogate Recovery - percent

MDL = Minimum Detectable Level/ **BDL** = Below Detection Level/ **UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898301	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

Matrix Type :		**S**			
CTL Sample No.		**10632**			
Field ID		**B51**			
	MDL				
Acenaphthene	100	BDL			
Acenaphthylene	100	BDL			
Anthracene	100	126.0			
Benzidine	100	BDL			
Benzo(a)anthracene	100	BDL			
Benzo(a)pyrene	100	BDL			
3,4-Benzofluoranthene	100	BDL			
Benzo(ghi)perylene	500	BDL			
Benzo(k)fluoranthene	100	BDL			
Bis(2-chloroethoxy)methane	100	BDL			
Bis(2-Chloroethyl)Ether	100	BDL			
Bis(2chloroisopropyl)ether	100	BDL			
Bis(2-ethylhexyl)phthalate	100	BDL			
4-Bromophenylphenyl ether	100	BDL			
Butylbenzyl phthalate	100	BDL			
2-Chloronaphthalene	100	BDL			
4-Chlorophenyl phenylether	100	BDL			
Chrysene	100	BDL			
Dibenzo(a,H)anthracene	500	BDL			
1,2-Dichlorobenzene	100	BDL			
1,3-Dichlorobenzene	100	BDL			
1,4-Dichlorobenzene	100	BDL			
3,3-Dichlorobenzidine	100	BDL			
Diethyl phthalate	100	BDL			
Dimethyl phthalate	100	BDL			
Di-n-butyl phthalate	100	BDL			
2,4-Dinitrotoluene	100	BDL			
2,6-Dinitrotoluene	100	BDL			
Di-n-octyl phthalate	100	BDL			
1,2-Diphenylhydrazine	100	BDL			
Fluoranthene	100	BDL			
Fluorene	100	BDL			
Hexachlorobenzene	100	BDL			
Hexachlorobutadiene	100	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898301	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

Matrix Type :		S			
CTL Sample No.		10632			
Field Id		B51			
	MDL				
Hexachlorocyclopentadiene	100	BDL			
Hexachloroethane	100	BDL			
Indeno(1,2,3-cd)pyrene	500	BDL			
Isophorone	100	BDL			
Naphthalene	100	BDL			
Nitrobenzene	100	BDL			
N-Nitrosodimethylamine	100	BDL			
N-Nitrosodi-n-propylamine	100	BDL			
N-Nitrosodiphenylamine	100	BDL			
Phenanthrene	100	BDL			
Pyrene	100	BDL			
1,2,4-Trichlorobenzene	100	BDL			
2-Chlorophenol	500	BDL			
2,4-Dichlorophenol	500	BDL			
2,4-Dimethylphenol	500	BDL			
2-Methyl-46-dinitrophenol	500	BDL			
2,4-Dinitrophenol	500	BDL			
2-Nitrophenol	500	BDL			
4-Nitrophenol	500	BDL			
4-Chloro-3-methylphenol	500	BDL			
Pentachlorophenol	500	BDL			
Phenol	500	BDL			
2,4,6-Trichlorophenol	500	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898301
Report Date: 9/9/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Result	95% Confidence Interval	Method Blank
Arsenic-mg/L	0.085	0.083	0.068-0.102	ND<0.05
Barium-mg/L	1.00	0.95	0.085-1.15	ND<0.5
Cadmium-mg/L	0.075	0.064	0.060-0.090	ND<0.005
Chromium, Total-mg/L	0.45	0.46	0.38-0.52	ND<0.05
Lead-mg/L	0.065	0.056	0.046-0.085	ND<0.005
Mercury-mg/L	0.007	0.008	0.005-0.009	ND<0.002
Selenium-mg/L	0.055	0.046	0.044-0.066	ND<0.01
Silver-mg/L	0.15	0.13	0.13-0.17	ND<0.01

	LSB Conc.	LSM Result	Method Blank	
pH	6.7	6.8	N/A	
Reactive Sulfide-ppm	3,370	1,138	ND<50	
Total PCBs-ppm	10.0	8.0	ND<1	
Flashpoint °F	140	136	>200	
Cyanide, Total-ppm	40.0	34.7	ND<1.0	
Oil & Grease(TPH)-ppm	605	575	ND<25	

LSM = Laboratory Spiked Matrix

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898301
Report Date: 9/9/98	PO/Job No. 40203

QUALITY CONTROL DATA

TCLP EPA 1311

CTL Sample No.: 10632
Field ID : B51

	Duplicate Analysis	LSM Conc.	LSM Result	% Recovery
Arsenic-mg/L	ND<0.05	0.085	0.092	108
Barium-mg/L	ND<0.5	1.00	1.15	115
Cadmium-mg/L	ND<0.005	0.075	0.071	95
Chromium, Total-mg/L	ND<0.05	0.45	0.46	102
Lead-mg/L	0.023	0.065	0.078	85
Mercury-mg/L	ND<0.002	0.007	0.008	114
Selenium-mg/L	ND<0.01	0.055	0.045	82
Silver-mg/L	ND<0.01	0.15	0.05	33

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898301	Date Tested	: 8/26/98
PO No.	: 40203		
Rep. Date	: 9/4/98	Analyst	: DMG

QUALITY CONTROL DATA

EPA METHOD 602/8021B **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Benzene	20	20.0	20.0	BDL	
Toluene	25	20.0	18.0	BDL	
Chlorobenzene	25	20.0	18.0	BDL	
Ethyl Benzene	25	20.0	18.0	BDL	
P & M Xylene	25			BDL	
O- Xylene	25			BDL	
1,4-Dichlorobenzene	25	20.0	18.0	BDL	
1,3-Dichlorobenzene	25	20.0	17.0	BDL	
1,2-Dichlorobenzene	25	20.0	18.0	BDL	
1,4-Dichlorobutane (SR)	---		100	88	
2Bromo-1-Chloropropane(SR)	---		95	87	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL = Minimum Detectable Level/ **BDL** = Below Detection Level/ **UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898301	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Acenaphthene	100			BDL	
Acenaphthylene	100			BDL	
Anthracene	100			BDL	
Benzidine	100			BDL	
Benzo(a)anthracene	100			BDL	
Benzo(a)pyrene	100			BDL	
3,4-Benzofluoranthene	100			BDL	
Benzo(ghi)perylene	500			BDL	
Benzo(k)fluoranthene	100			BDL	
Bis(2-chloroethoxy)methane	100			BDL	
Bis(2-Chloroethyl)Ether	100			BDL	
Bis(2chloroisopropyl)ether	100			BDL	
Bis(2-ethylhexyl)phthalate	100			BDL	
4-Bromophenylphenyl ether	100			BDL	
Butylbenzyl phthalate	100			BDL	
2-Chloronaphthalene	100			BDL	
4-Chlorophenyl phenylether	100			BDL	
Chrysene	100			BDL	
Dibenzo(a,H)anthracene	500			BDL	
1,2-Dichlorobenzene	100			BDL	
1,3-Dichlorobenzene	100	1,000.0	929.0	BDL	
1,4-Dichlorobenzene	100			BDL	
3,3-Dichlorobenzidine	100			BDL	
Diethyl phthalate	100			BDL	
Dimethyl phthalate	100			BDL	
Di-n-butyl phthalate	100			BDL	
2,4-Dinitrotoluene	100			BDL	
2,6-Dinitrotoluene	100			BDL	
Di-n-octyl phthalate	100			BDL	
1,2-Diphenylhydrazine	100			BDL	
Fluoranthene	100			BDL	
Fluorene	100			BDL	
Hexachlorobenzene	100			BDL	
Hexachlorobutadiene	100	1,000.0	914.0	BDL	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898301	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Hexachlorocyclopentadiene	100			BDL	
Hexachloroethane	100	1,000.0	903.0	BDL	
Indeno(1,2,3-cd)pyrene	500			BDL	
Isophorone	100			BDL	
Naphthalene	100			BDL	
Nitrobenzene	100	1,000.0	929.0	BDL	
N-Nitrosodimethylamine	100			BDL	
N-Nitrosodi-n-propylamine	100			BDL	
N-Nitrosodiphenylamine	100			BDL	
Phenanthrene	100			BDL	
Pyrene	100			BDL	
1,2,4-Trichlorobenzene	100			BDL	
2-Chlorophenol	500			BDL	
2,4-Dichlorophenol	500			BDL	
2,4-Dimethylphenol	500			BDL	
2-Methyl-46-dinitrophenol	500			BDL	
2,4-Dinitrophenol	500	1,000.0	715.0	BDL	
2-Nitrophenol	500			BDL	
4-Nitrophenol	500			BDL	
4-Chloro-3-methylphenol	500			BDL	
Pentachlorophenol	500	1,000.0	936.0	BDL	
Phenol	500			BDL	
2,4,6-Trichlorophenol	500	1,000.0	1,301.0	BDL	
Acenaphthylene-d10 (SR)	---		73	96	
Phenanthrene-d10 (SR)	---		73	83	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

LAB TRACKING No. 8981301

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) Deborah Wojcicki
Signature : Deborah K Wojcicki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☑ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B51	8/20/98	SOIL	GLASS		125ml	(2)
2	B52	8/21/98	SOIL	GLASS		125ml	(2)
3	B55	8/20/98	SOIL	GLASS		125ml	(2)
4	B57	8/20/98	SOIL	GLASS			(2)
5							
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
ETALS , TOTAL WTR-8									
ETALS, TOTAL SOIL-8									
EPTOX METALS S / W									
CLP METALS S / W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN	✓								
15 SCAN									
8240 SCAN									
624 SCAN									
5 SCAN									
604 SCAN									
608 / 8080 FULL SCAN									
8 / 8080 PCB ONLY									
60 SCAN									
8100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
OB SCAN									
COLIFORM BACTERIA									

NOTE: Detection Limits for CT Reg's.

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1		✓	✓	✓					
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

Flashpoint	✓								
pH	✓								
Reactive sulfide	✓								
reactive cyanide	✓								
8080 (PCBs only)	✓								
TCLP 8 metals	✓								
8270 (BNA)	✓								
total cyanide	✓								

RELINQ BY:	Date 8/21/98	RELINQ BY:	Date
	Time 4:30pm		Time
REC'D BY: N. McMahon	Date 8/21/98	REC'D BY:	Date
	Time 4:30		Time

ase fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

ATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

LAB TRACKING No.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN BOVERASCA
Signature

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B-50	8/19/98	soil	GLASS		125 ml	(4)
2	B-51	8/19/98	soil	GLASS		125 ml	(2)
3	B-53	8/19/98	soil	GLASS		125 ml	(2)
4							
5							
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
ETALS , TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S / W									
CLP METALS S / W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
02 / 8020 SCAN	X								
015 SCAN									
8240 SCAN									
24 SCAN									
25 SCAN									
604 SCAN									
08 / 8080 FULL SCAN									
08 / 8080 PCB ONLY									
8260 SCAN									
100 (PAH) SCAN									
OC									
TOX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
EDB SCAN									
COLIFORM BACTERIA									

Detection limits - CT RSRS

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓	✓	✓						
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

8270 (BNE)	✓								
flashpoint	✓								
pH	✓								
reactive sulfide	✓								
reactive cyanide	✓								
8080 (PCBs only)	✓								
TCLP 8 metals	X								

RELINQ BY:	Date 8/19/98	RELINQ BY:	Date
	Time 5:07 pm		Time
REC'D BY:	Date 8/19	REC'D BY:	Date
	Time 5:07		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte ...rs to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

= WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

Resubmitted Page 2 with Retest Data on 10/13/98

RECEIVED
OCT 16 1998
VANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **August 21, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898300
PO/JOB No.	: 40203
INVOICE No.	: 74098
ORDER No.	: 54462
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898300
Report Date: 9/9/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**			
CTL Sample No.	**10631**			
Field Id.	**B-60**			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	ND<0.5			
Cadmium-mg/L	0.017			
Chromium, Total-mg/L	ND<0.05			
Lead-mg/L	126 *			
Mercury-mg/L	ND<0.002			
Selenium-mg/L	ND<0.01			
Silver-mg/L	ND<0.01			

Matrix Type	**S**			
CTL Sample No.	**10631**			
Field Id.	**B-60**			
pH	4.6			
Reactive Cyanide-ppm	ND<1			
Reactive Sulfide-ppm	ND<50			
Flashpoint °F	>200			
Total PCB's-ppm	ND<1			
Oil & Grease (TPH)-ppm	ND<25			

* To confirm the high level of lead found in this sample, three additional aliquots were extracted and analyzed from 10/8 through 10/11/98. The results found were as follows; TCLP Lead: 1.21 mg/L, 24.1 mg/L, 3.40 mg/L. Based on these results it would appear that the sample is not homogeneous.

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

September 10, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on :
August 21, 1998

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898300
PO/JOB No.	: 40203
INVOICE No.	: 74098
ORDER No.	: 54462
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
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connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Resubmitted with Thallium data on 9/15/98
September 10, 1998

RECEIVED
SEP 1 1998
ANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on :
August 21, 1998

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898300
PO/JOB No.	: 40203
INVOICE No.	: 74098
ORDER No.	: 54462
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898300
Report Date: 9/9/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**				
CTL Sample No.	**10631**				
Field Id.	**B-60**				
Arsenic-mg/kg	9.7				
Copper-mg/kg	730				
Lead-mg/kg	1,200				
Nickel-mg/kg	8,800				
Thallium-mg/kg	ND<5				
Zinc-mg/kg	650				

Matrix Type	**S**				
CTL Sample No.	**10631**				
Field Id.	**B-60**				
Cyanide, Total-ppm	1.6				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898300
Report Date: 9/9/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**			
CTL Sample No.	**10631**			
Field Id.	**B-60**			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	ND<0.5			
Cadmium-mg/L	0.017			
Chromium, Total-mg/L	ND<0.05			
Lead-mg/L	126			
Mercury-mg/L	ND<0.002			
Selenium-mg/L	ND<0.01			
Silver-mg/L	ND<0.01			

Matrix Type	**S**			
CTL Sample No.	**10631**			
Field Id.	**B-60**			
pH	4.6			
Reactive Cyanide-ppm	ND<1			
Reactive Sulfide-ppm	ND<50			
Flashpoint °F	>200			
Total PCB's-ppm	ND<1			
Oil & Grease (TPH)-ppm	ND<25			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: VHB, Inc.	CTL Lab. No. 898300
Report Date: 9/9/98	PO/Job No. 40203

RESULTS OF ANALYSIS

SPLP EPA 1312

Matrix Type	**S**				
CTL Sample No.	**10631**				
Field Id.	**B-60**				
Arsenic-mg/L	ND<0.05				
Copper-mg/L	4.17				
Lead-mg/L	13.8				
Nickel-mg/L	6.86				
Thallium-mg/L	ND<0.002				
Zinc-mg/L	7.36				

SPLP Extraction

Matrix Type	**S**				
CTL Sample No.	**10631**				
Field Id.	**B-60**				
Cyanide, Total-mg/L	ND<0.05				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Date Samples Received : 8/21/98

Client Name: VHB, Inc.	CTL Lab. No. 898300
Report Date: 9/9/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**				
CTL Sample No.	**10631**				
Field Id.	**B-60**				
Arsenic-mg/kg	9.7				
Copper-mg/kg	730				
Lead-mg/kg	1,200				
Nickel-mg/kg	8,800				
Thallium-mg/kg	ND<10				
Zinc-mg/kg	650				

Matrix Type	**S**				
CTL Sample No.	**10631**				
Field Id.	**B-60**				
Cyanide, Total-ppm	1.6				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898300	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

EPA METHOD 8270C Modified Date Samples Rec'd: 8/21/98

Matrix Type :		S			
CTL Sample No.		10631			
Field ID		B-60			
	MDL				
Acenaphthene	100	BDL			
Acenaphthylene	100	BDL			
Anthracene	100	BDL			
Benzidine	100	BDL			
Benzo(a)anthracene	100	BDL			
Benzo(a)pyrene	100	BDL			
3,4-Benzofluoranthene	100	BDL			
Benzo(ghi)perylene	500	BDL			
Benzo(k)fluoranthene	100	BDL			
Bis(2-chloroethoxy)methane	100	BDL			
Bis(2-Chloroethyl)Ether	100	BDL			
Bis(2chloroisopropyl)ether	100	BDL			
Bis(2-ethylhexyl)phthalate	100	BDL			
4-Bromophenylphenyl ether	100	BDL			
Butylbenzyl phthalate	100	BDL			
2-Chloronaphthalene	100	BDL			
4-Chlorophenyl phenylether	100	BDL			
Chrysene	100	BDL			
Dibenzo(a,H)anthracene	500	BDL			
1,2-Dichlorobenzene	100	BDL			
1,3-Dichlorobenzene	100	BDL			
1,4-Dichlorobenzene	100	BDL			
3,3-Dichlorobenzidine	100	BDL			
Diethyl phthalate	100	BDL			
Dimethyl phthalate	100	BDL			
Di-n-butyl phthalate	100	BDL			
2,4-Dinitrotoluene	100	BDL			
2,6-Dinitrotoluene	100	BDL			
Di-n-octyl phthalate	100	BDL			
1,2-Diphenylhydrazine	100	BDL			
Fluoranthene	100	BDL			
Fluorene	100	BDL			
Hexachlorobenzene	100	BDL			
Hexachlorobutadiene	100	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898300	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

EPA METHOD 8270C Modified Date Samples Rec'd: 8/21/98

Matrix Type :		S			
CTL Sample No.		10631			
Field ID		B-60			
	MDL				
Hexachlorocyclopentadiene	100	BDL			
Hexachloroethane	100	BDL			
Indeno(1,2,3-cd)pyrene	500	BDL			
Isophorone	100	BDL			
Naphthalene	100	BDL			
Nitrobenzene	100	BDL			
N-Nitrosodimethylamine	100	BDL			
N-Nitrosodi-n-propylamine	100	BDL			
N-Nitrosodiphenylamine	100	BDL			
Phenanthrene	100	BDL			
Pyrene	100	BDL			
1,2,4-Trichlorobenzene	100	BDL			
2-Chlorophenol	500	BDL			
2,4-Dichlorophenol	500	BDL			
2,4-Dimethylphenol	500	BDL			
2-Methyl-46-dinitrophenol	500	BDL			
2,4-Dinitrophenol	500	BDL			
2-Nitrophenol	500	BDL			
4-Nitrophenol	500	BDL			
4-Chloro-3-methylphenol	500	BDL			
Pentachlorophenol	500	BDL			
Phenol	500	BDL			
2,4,6-Trichlorophenol	500	BDL			
Acenaphthene-d10 (SR)	---	104			
Phenanthrene-d10 (SR)	---	73			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab No. 898300
Report Date: 9/9/98	PO/Job No. 40203

QUALITY CONTROL DATA

TCLP EPA 1311

	LSB Conc.	LSB Result	Method Blank	
Arsenic-mg/L	0.085	0.083	ND<0.05	
Barium-mg/L	1.00	0.95	ND<0.5	
Cadmium-mg/L	0.075	0.064	ND<0.005	
Chromium, Total-mg/L	0.45	0.46	ND<0.05	
Lead-mg/L	0.065	0.056	ND<0.005	
Mercury-mg/L	0.007	0.008	ND<0.002	
Selenium-mg/L	0.055	0.046	ND<0.01	
Silver-mg/L	0.15	0.13	ND<0.01	

	LSB Conc.	LSB Result	Method Blank	
pH	6.7	6.8	NA	
Reactive Sulfide-ppm	3,370	1,138	ND<50	
Total PCBs-ppm	10.0	10.7	ND<1	
Oil & Grease (TPH)-ppm	605	575	ND<25	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab No. 898300
Report Date: 9/9/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Result	Method Blank	
Arsenic-mg/L	0.085	0.083	ND<0.05	
Copper-mg/L	1.10	1.06	ND<0.01	
Lead-mg/L	0.065	0.056	ND<0.005	
Nickel-mg/L	0.30	0.32	ND<0.05	
Thallium-mg/L	0.075	0.073	ND<0.002	
Zinc-mg/L	0.65	0.67	ND<0.05	

	LSB Conc.	LSB Result	Method Blank	
Cyanide, Total-mg/L	0.48	0.56	ND<0.05	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab No. 898300
Report Date: 9/9/98	PO/Job No. 40203

QUALITY CONTROL DATA

Mass Analysis EPA 3050A

	LSB Conc.	LSB Result	Method Blank	
Arsenic-mg/kg	71.5	73.1	ND<1.0	
Copper-mg/kg	178	173	ND<0.5	
Lead-mg/kg	143	139	ND<0.5	
Nickel-mg/kg	73.6	73.0	ND<0.5	
Thallium-mg/kg	81.2	90.0	ND<10	
Zinc-mg/kg	91.0	103	ND<0.5	

	LSB Conc.	LSB Result	Method Blank	
Cyanide, Total-ppm	40.0	34.7	ND<1.0	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898300	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Acenaphthene	100			BDL	
Acenaphthylene	100			BDL	
Anthracene	100			BDL	
Benzidine	100			BDL	
Benzo(a)anthracene	100			BDL	
Benzo(a)pyrene	100			BDL	
3,4-Benzofluoranthene	100			BDL	
Benzo(ghi)perylene	500			BDL	
Benzo(k)fluoranthene	100			BDL	
Bis(2-chloroethoxy)methane	100			BDL	
Bis(2-Chloroethyl)Ether	100			BDL	
Bis(2chloroisopropyl)ether	100			BDL	
Bis(2-ethylhexyl)phthalate	100			BDL	
4-Bromophenylphenyl ether	100			BDL	
Butylbenzyl phthalate	100			BDL	
2-Chloronaphthalene	100			BDL	
4-Chlorophenyl phenylether	100			BDL	
Chrysene	100			BDL	
Dibenzo(a,H)anthracene	500			BDL	
1,2-Dichlorobenzene	100			BDL	
1,3-Dichlorobenzene	100	1,000.0	929.0	BDL	
1,4-Dichlorobenzene	100			BDL	
3,3-Dichlorobenzidine	100			BDL	
Diethyl phthalate	100			BDL	
Dimethyl phthalate	100			BDL	
Di-n-butyl phthalate	100			BDL	
2,4-Dinitrotoluene	100			BDL	
2,6-Dinitrotoluene	100			BDL	
Di-n-octyl phthalate	100			BDL	
1,2-Diphenylhydrazine	100			BDL	
Fluoranthene	100			BDL	
Fluorene	100			BDL	
Hexachlorobenzene	100			BDL	
Hexachlorobutadiene	100	1,000.0	914.0	BDL	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898300	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/9/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Hexachlorocyclopentadiene	100			BDL	
Hexachloroethane	100	1,000.0	903.0	BDL	
Indeno(1,2,3-cd)pyrene	500			BDL	
Isophorone	100			BDL	
Naphthalene	100			BDL	
Nitrobenzene	100	1,000.0	929.0	BDL	
N-Nitrosodimethylamine	100			BDL	
N-Nitrosodi-n-propylamine	100			BDL	
N-Nitrosodiphenylamine	100			BDL	
Phenanthrene	100			BDL	
Pyrene	100			BDL	
1,2,4-Trichlorobenzene	100			BDL	
2-Chlorophenol	500			BDL	
2,4-Dichlorophenol	500			BDL	
2,4-Dimethylphenol	500			BDL	
2-Methyl-46-dinitrophenol	500			BDL	
2,4-Dinitrophenol	500	1,000.0	715.0	BDL	
2-Nitrophenol	500			BDL	
4-Nitrophenol	500			BDL	
4-Chloro-3-methylphenol	500			BDL	
Pentachlorophenol	500	1,000.0	936.0	BDL	
Phenol	500			BDL	
2,4,6-Trichlorophenol	500	1,000.0	1,301.0	BDL	
Acenaphthylene-d10 (SR)	---		73	96	
Phenanthrene-d10 (SR)	---		73	83	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

Resubmitted with Thallium data on 9/15/98
September 10, 1998

RECEIVED
SEP 1998
ANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on :
August 21, 1998

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898300
PO/JOB No.	: 40203
INVOICE No.	: 74098
ORDER No.	: 54462
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

LAB TRACKING No. 898250

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) Deborah Wojcicki
Signature : Deborah Wojcicki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B-60	8/21/98	SOIL	GLASS		125 ml	(4)
2							
3							
4							
5							
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
02 / 8020 SCAN									
15 SCAN									
8240 SCAN									
24 SCAN									
25 SCAN									
604 SCAN									
08 / 8080 FULL SCAN									
08 (8080 PCB ONLY)	✓								
260 SCAN									
3100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
DB SCAN									
COLIFORM BACTERIA									

NOTE: Detection Limits for CT RSRs.

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.	✓								
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓								
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

8270 (BNE)	✓								
arsenic (TCL & SPLP)	✓								
copper (TCL & SPLP)	✓								
lead (TCL & SPLP)	✓								
nickel (TCL & SPLP)	✓								
thallium (TCL & SPLP)	✓								
zinc (total & SPLP)	✓								
cyanide (TCL & SPLP)	✓								
flashpoint	✓								
reactive sulfide	✓								
reactive cyanide	✓								
TCLP 8 metals	✓								

RELINQ BY:	Date 8/21/98	RELINQ BY:	Date
	Time 4:30 pm		Time
REC'D BY: Maureen McMahon	Date 8/21/98	REC'D BY:	Date
	Time 4:30		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

September 9, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **August 21, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898299
PO/JOB No.	: 40203
INVOICE No.	: 74071
ORDER No.	: 54434
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898299
Report Date: 9/8/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**			
CTL Sample No.	**10626**			
Field Id.	**B61**			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	ND<0.5			
Cadmium-mg/L	ND<0.005			
Chromium, Total-mg/L	ND<0.05			
Lead-mg/L	0.006			
Mercury-mg/L	ND<0.002			
Selenium-mg/L	ND<0.01			
Silver-mg/L	ND<0.01			

Matrix Type	**S**			
CTL Sample No.	**10626**			
Field Id.	**B61**			
pH	5.5			
Reactive Cyanide-ppm	ND<1			
Reactive Sulfide-ppm	ND<50			
Total PCBs-ppm	ND<1			
Flashpoint °F	>200			
Cyanide, Total-ppm	ND<1.0			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898299
Report Date: 9/8/98	PO/Job No. 40203

RESULTS OF ANALYSIS

EPA 418.1

Matrix Type: S

Field Id.	CTL #	Oil & Grease (TPH)-ppm			
B61	10626	2,300			
B62	10627	7,380			
B63	10628	ND<25			
B64	10629	916			
B65	10630	ND<25			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898299	Date Tested	: 8/25/98
PO No.	: 40203		
Rep. Date	: 9/8/98	Analyst	: DMG

EPA METHOD 602/8021B **Date Samples Rec'd:** 8/21/98

Matrix Type : S
CTL Sample #: 10626
Field ID : B61

	MDL				
Benzene	20	BDL			
Toluene	25	BDL			
Chlorobenzene	25	BDL			
Ethyl Benzene	25	BDL			
P & M Xylene	25	BDL			
O-Xylene	25	BDL			
1,4-Dichlorobenzene	25	BDL			
1,3-Dichlorobenzene	25	BDL			
1,2-Dichlorobenzene	25	BDL			
1,4-Dichlorobutane (SR)	---	89			
2Bromo-1-Chloropropane(SR)	---	89			

SR = Surrogate Recovery - percent

MDL = Minimum Detectable Level/ **BDL** = Below Detection Level/ **UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898299	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

Matrix Type :		**S**			
CTL Sample No.		**10626**			
Field ID		**B61**			
	MDL				
Acenaphthene	100	BDL			
Acenaphthylene	100	BDL			
Anthracene	100	BDL			
Benzidine	100	BDL			
Benzo(a)anthracene	100	BDL			
Benzo(a)pyrene	100	BDL			
3,4-Benzofluoranthene	100	BDL			
Benzo(ghi)perylene	500	BDL			
Benzo(k)fluoranthene	100	BDL			
Bis(2-chloroethoxy)methane	100	BDL			
Bis(2-Chloroethyl)Ether	100	BDL			
Bis(2chloroisopropyl)ether	100	BDL			
Bis(2-ethylhexyl)phthalate	100	BDL			
4-Bromophenylphenyl ether	100	BDL			
Butylbenzyl phthalate	100	BDL			
2-Chloronaphthalene	100	BDL			
4-Chlorophenyl phenylether	100	BDL			
Chrysene	100	BDL			
Dibenzo(a,H)anthracene	500	BDL			
1,2-Dichlorobenzene	100	BDL			
1,3-Dichlorobenzene	100	BDL			
1,4-Dichlorobenzene	100	BDL			
3,3-Dichlorobenzidine	100	BDL			
Diethyl phthalate	100	BDL			
Dimethyl phthalate	100	BDL			
Di-n-butyl phthalate	100	BDL			
2,4-Dinitrotoluene	100	BDL			
2,6-Dinitrotoluene	100	BDL			
Di-n-octyl phthalate	100	BDL			
1,2-Diphenylhydrazine	100	BDL			
Fluoranthene	100	BDL			
Fluorene	100	BDL			
Hexachlorobenzene	100	BDL			
Hexachlorobutadiene	100	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898299	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

Matrix Type :		**S**			
CTL Sample No.		**10626**			
Field ID		**B61**			
	MDL				
Hexachlorocyclopentadiene	100	BDL			
Hexachloroethane	100	BDL			
Indeno(1,2,3-cd)pyrene	500	BDL			
Isophorone	100	BDL			
Naphthalene	100	BDL			
Nitrobenzene	100	BDL			
N-Nitrosodimethylamine	100	BDL			
N-Nitrosodi-n-propylamine	100	BDL			
N-Nitrosodiphenylamine	100	BDL			
Phenanthrene	100	BDL			
Pyrene	100	222.0			
1,2,4-Trichlorobenzene	100	BDL			
2-Chlorophenol	500	BDL			
2,4-Dichlorophenol	500	BDL			
2,4-Dimethylphenol	500	BDL			
2-Methyl-46-dinitrophenol	500	BDL			
2,4-Dinitrophenol	500	BDL			
2-Nitrophenol	500	BDL			
4-Nitrophenol	500	BDL			
4-Chloro-3-methylphenol	500	BDL			
Pentachlorophenol	500	BDL			
Phenol	500	BDL			
2,4,6-Trichlorophenol	500	BDL			
Acenaphthene-d10 (SR)	---	84			
Phenanthrene-d10 (SR)	---	93			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab No. 898299
Report Date: 9/8/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Result	* 95% Confidence Interval	Method Blank
Arsenic-mg/L	0.085	0.083	0.068-0.102	ND<0.05
Barium-mg/L	1.00	0.95	0.085-1.15	ND<0.5
Cadmium-mg/L	0.075	0.064	0.060-0.090	ND<0.005
Chromium, Total-mg/L	0.45	0.46	0.38-0.52	ND<0.05
Lead-mg/L	0.065	0.056	0.046-0.085	ND<0.005
Mercury-mg/L	0.007	0.008	0.005-0.009	ND<0.002
Selenium-mg/L	0.055	0.046	0.044-0.066	ND<0.01
Silver-mg/L	0.15	0.13	0.13-0.17	ND<0.01
Copper-mg/L	1.10	1.06	0.99-1.21	ND<0.01
Nickel-mg/L	0.30	0.27	0.26-0.35	ND<0.05
Zinc-mg/L	0.65	0.65	0.55-0.78	ND<0.05

Source of Laboratory Spiked Blank - ERA Lot No. 3419

	LSB Conc.	LSB Result	Method Blank	
pH	6.7	6.8		
Reactive Sulfide-ppm	3,370	1,138	ND<50	
Total PCBs-ppm	10.0	10.7	ND<1	
Flashpoint °F	140	136	>200	
Cyanide, Total-ppm	40.0	34.7	ND<1.0	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898299	Date Tested	: 8/25/98
PO No.	: 40203		
Rep. Date	: 9/8/98	Analyst	: DMG

QUALITY CONTROL DATA

EPA METHOD 602/8020 **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Benzene	1	20.0	20.0	BDL	
Toluene	1	20.0	19.0	BDL	
Chlorobenzene	1	20.0	19.0	BDL	
Ethyl Benzene	1	20.0	19.0	BDL	
P & M Xylene	1			BDL	
O- Xylene	1			BDL	
1,4-Dichlorobenzene	1	20.0	19.0	BDL	
1,3-Dichlorobenzene	1	20.0	19.0	BDL	
1,2-Dichlorobenzene	1	20.0	19.0	BDL	
1,4-Dichlorobutane (SR)	---		91	75	
2Bromo-1-Chloropropane (SR)	---		89	72	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

LSB= Laboratory Spiked Blank/**SR**= Surrogate Recovery-Percent

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898299	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Acenaphthene	100			BDL	
Acenaphthylene	100			BDL	
Anthracene	100			BDL	
Benzidine	100			BDL	
Benzo(a)anthracene	100			BDL	
Benzo(a)pyrene	100			BDL	
3,4-Benzofluoranthene	100			BDL	
Benzo(ghi)perylene	500			BDL	
Benzo(k)fluoranthene	100			BDL	
Bis(2-chloroethoxy)methane	100			BDL	
Bis(2-Chloroethyl)Ether	100			BDL	
Bis(2chloroisopropyl)ether	100			BDL	
Bis(2-ethylhexyl)phthalate	100			BDL	
4-Bromophenylphenyl ether	100			BDL	
Butylbenzyl phthalate	100			BDL	
2-Chloronaphthalene	100			BDL	
4-Chlorophenyl phenylether	100			BDL	
Chrysene	100			BDL	
Dibenzo(a,H)anthracene	500			BDL	
1,2-Dichlorobenzene	100			BDL	
1,3-Dichlorobenzene	100	1,000.0	929.0	BDL	
1,4-Dichlorobenzene	100			BDL	
3,3-Dichlorobenzidine	100			BDL	
Diethyl phthalate	100			BDL	
Dimethyl phthalate	100			BDL	
Di-n-butyl phthalate	100			BDL	
2,4-Dinitrotoluene	100			BDL	
2,6-Dinitrotoluene	100			BDL	
Di-n-octyl phthalate	100			BDL	
1,2-Diphenylhydrazine	100			BDL	
Fluoranthene	100			BDL	
Fluorene	100			BDL	
Hexachlorobenzene	100			BDL	
Hexachlorobutadiene	100	1,000.0	914.0	BDL	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: **VHB, Inc.**	Date Extracted:	8/31/98
Lab No.	: 898299	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Hexachlorocyclopentadiene	100			BDL	
Hexachloroethane	100	1,000.0	903.0	BDL	
Indeno(1,2,3-cd)pyrene	500			BDL	
Isophorone	100			BDL	
Naphthalene	100			BDL	
Nitrobenzene	100	1,000.0	929.0	BDL	
N-Nitrosodimethylamine	100			BDL	
N-Nitrosodi-n-propylamine	100			BDL	
N-Nitrosodiphenylamine	100			BDL	
Phenanthrene	100			BDL	
Pyrene	100			BDL	
1,2,4-Trichlorobenzene	100			BDL	
2-Chlorophenol	500			BDL	
2,4-Dichlorophenol	500			BDL	
2,4-Dimethylphenol	500			BDL	
2-Methyl-46-dinitrophenol	500			BDL	
2,4-Dinitrophenol	500	1,000.0	715.0	BDL	
2-Nitrophenol	500			BDL	
4-Nitrophenol	500			BDL	
4-Chloro-3-methylphenol	500			BDL	
Pentachlorophenol	500	1,000.0	936.0	BDL	
Phenol	500			BDL	
2,4,6-Trichlorophenol	500	1,000.0	1,301.0	BDL	
Acenaphthylene-d10 (SR)	---		73	96	
Phenanthrene-d10 (SR)	---		73	83	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No. 898299

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN BOURASSA
Signature :

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B61	8/21/98	SOIL	GLASS		125 ml	(4)
2	B62	8/21/98	SOIL	GLASS		125 ml	
3	B63	8/21/98	SOIL	GLASS		125 ml	
4	B64	8/21/98	SOIL	GLASS		125 ml	
5	B65	8/21/98	SOIL	GLASS		125 ml	
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S / W									
TCLP METALS S / W									
TCLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
TCLP PEST/HERB - 8									
TCLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN	✓								
8015 SCAN									
8240 SCAN									
624 SCAN									
625 SCAN									
604 SCAN									
608 / 8080 FULL SCAN									
608 / 8080 PCB ONLY	✓								
8260 SCAN									
8100 (PAH) SCAN									
TOC									
TOX									
Pb % (PAINT CHIPS)									
WATER POTABILITY									
EDB SCAN									
COLIFORM BACTERIA									

NOTE - Detection limits for CT RSRS

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.	✓								
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓	✓	✓	✓	✓				
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

	1	2	3	4	5	6	7	8
8270 (BNE)	✓							
flashpoint	✓							
reactive sulfide	✓							
reactive cyanide	✓							
total cyanide	✓							
TCLP 8 metals	✓							

RELINQ BY:	Date 8/21/98	RELINQ BY:	Date
	Time 4:30 PM		Time
REC'D BY: Maureen McMahon	Date 8/21/98	REC'D BY:	Date
	Time 4:30		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

September 9, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **August 21, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 889298
PO/JOB No.	: 40203
INVOICE No.	: 74064
ORDER No.	: 54427
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898298
Report Date: 9/8/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**			
CTL Sample No.	**10623**			
Field Id.	**B68**			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	1.9			
Cadmium-mg/L	ND<0.005			
Chromium, Total-mg/L	ND<0.05			
Lead-mg/L	0.010			
Mercury-mg/L	ND<0.002			
Selenium-mg/L	ND<0.01			
Silver-mg/L	ND<0.01			

Matrix Type	**S**			
CTL Sample No.	**10623**			
Field Id.	**B68**			
pH	5.4			
Reactive Cyanide-ppm	ND<1			
Reactive Sulfide-ppm	ND<50			
Total PCBs-ppm	ND<1			
Flashpoint ^{o}F	>200			
Cyanide, Total-ppm	ND<1.0			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/21/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898298
Report Date: 9/8/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Matrix Type: S

Field Id.	CTL #	Oil & Grease (TPH)-ppm			
B66	10621	ND<25			
B67	10622	ND<25			
B68	10623	6,600			
B69	10624	2,860			
B70	10625	9,900			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898298	Date Analyzed :	8/24-8/25/98
PO No.	: 40203		
Rep. Date	: 9/8/98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 8/21/98

Matrix Type :		S	S	S	S
CTL Sample No.		10621	10622	10623	10624
Field ID :		B66	B67	B68	B69
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Methylene chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	BDL	BDL
2,2-Dichloropropane	10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Bromochloromethane	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	10	BDL	BDL	BDL	BDL
Carbon tetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	BDL	BDL	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	BDL
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
1,3-Dichloropropane	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	BDL	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
p/m-Xylene	10	BDL	BDL	BDL	BDL
o-Xylene	10	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : **W**= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898298	Date Analyzed :	8/24-8/25/98
PO No.	: 40203		
Rep. Date	: 9/8/98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 8/21/98

Matrix Type :		S	S	S	S
CTL Sample No.		10621	10622	10623	10624
Field ID :		B66	B67	B68	B69
	MDL				
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
Isopropylbenzene	10	BDL	BDL	16.0	57.0
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Bromobenzene	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
n-Propylbenzene	10	BDL	BDL	43.0	102.0
2-Chlorotoluene	10	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	10	BDL	BDL	BDL	644.0
4-Chlorotoluene	10	BDL	BDL	BDL	BDL
tert-Butylbenzene	10	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	10	BDL	BDL	64.0	229.0
sec-Butylbenzene	10	BDL	BDL	126.0	71.0
p-Isopropyltoluene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
n-Butylbenzene	10	BDL	BDL	147.0	35.0
1,2-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,2Dibromo-3-chloropropane	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	50	BDL	BDL	BDL	BDL
Naphthalene	50	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	10	BDL	BDL	BDL	BDL
MTBE	10	13.0	BDL	49.0	BDL
Methyl ethyl ketone	50	BDL	BDL	BDL	BDL
Methyl butyl ketone	50	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	50	BDL	BDL	BDL	BDL
Dibromofluoromethane (SR)	---	103	104	104	99
Toluene-d8 (SR)	---	99	101	82	86

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898298	Date Analyzed :	8/24-8/25/98
PO No.	: 40203		
Rep. Date	: 9/8/98	Analyst :	YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 8/21/98

Matrix Type :		**S**			
CTL Sample No.		**10625**			
Field ID :		**B70**			
	MDL				
Dichlorodifluoromethane	10	BDL			
Chloromethane	10	BDL			
Vinyl chloride	10	BDL			
Chloroethane	10	BDL			
Bromomethane	10	BDL			
Trichlorofluoromethane	10	BDL			
1,1-Dichloroethylene	10	BDL			
Methylene chloride	10	BDL			
trans-1,2-Dichloroethylene	10	BDL			
1,1-Dichloroethane	10	BDL			
2,2-Dichloropropane	10	BDL			
cis-1,2-Dichloroethylene	10	BDL			
Chloroform	10	BDL			
Bromochloromethane	10	BDL			
1,1,1-Trichloroethane	10	BDL			
1,1-Dichloropropylene	10	BDL			
Carbon tetrachloride	10	BDL			
Benzene	10	BDL			
1,2-Dichloroethane	10	BDL			
Trichloroethylene	10	BDL			
1,2-Dichloropropane	10	BDL			
Bromodichloromethane	10	BDL			
Dibromomethane	10	BDL			
cis-1,3-Dichloropropylene	10	BDL			
Toluene	10	BDL			
t-1,3-Dichloropropylene	10	BDL			
1,1,2-Trichloroethane	10	BDL			
Tetrachloroethylene	10	BDL			
1,3-Dichloropropane	10	BDL			
Dibromochloromethane	10	BDL			
1,2-Dibromoethane (EDB)	10	BDL			
Chlorobenzene	10	BDL			
Ethylbenzene	10	BDL			
1,1,1,2-Tetrachloroethane	10	BDL			
p/m-Xylene	10	BDL			
o-Xylene	10	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous S= Soil/Solid O=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/24/98
Lab No.	: 898298	Date Analyzed :	8/24-8/25/98
PO No.	: 40203		
Rep. Date	: 9/8/98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 8/21/98

Matrix Type :		S			
CTL Sample No.		10625			
Field ID :		B70			
	MDL				
Styrene	10	BDL			
Bromoform	10	BDL			
Isopropylbenzene	10	BDL			
1,1,2,2-Tetrachloroethane	10	BDL			
Bromobenzene	10	BDL			
1,2,3-Trichloropropane	10	BDL			
n-Propylbenzene	10	BDL			
2-Chlorotoluene	10	BDL			
1,3,5-Trimethylbenzene	10	BDL			
4-Chlorotoluene	10	BDL			
tert-Butylbenzene	10	20.0			
1,2,4-Trimethylbenzene	10	BDL			
sec-Butylbenzene	10	47.0			
p-Isopropyltoluene	10	BDL			
1,3-Dichlorobenzene	10	BDL			
1,2,3-Trimethylbenzene	10	BDL			
1,4-Dichlorobenzene	10	BDL			
n-Butylbenzene	10	BDL			
1,2-Dichlorobenzene	10	BDL			
1,2Dibromo-3-chloropropane	10	BDL			
1,2,4-Trichlorobenzene	10	BDL			
Hexachlorobutadiene	50	BDL			
Naphthalene	50	BDL			
1,2,3-Trichlorobenzene	10	BDL			
MTBE	10	52.0			
Methyl ethyl ketone	50	BDL			
Methyl butyl ketone	50	BDL			
Methyl isobutyl ketone	50	BDL			
Dibromofluoromethane (SR)	---	97			
Toluene-d8 (SR)	---	59			

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous S= Soil/Solid O=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898298	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL				
Matrix Type :		S			
CTL Sample No.		10623			
Field ID		B68			
Acenaphthene	100	BDL			
Acenaphthylene	100	BDL			
Anthracene	100	229.0			
Benzidine	100	BDL			
Benzo(a)anthracene	100	BDL			
Benzo(a)pyrene	100	BDL			
3,4-Benzofluoranthene	100	BDL			
Benzo(ghi)perylene	500	BDL			
Benzo(k)fluoranthene	100	BDL			
Bis(2-chloroethoxy)methane	100	BDL			
Bis(2-Chloroethyl)Ether	100	BDL			
Bis(2chloroisopropyl)ether	100	BDL			
Bis(2-ethylhexyl)phthalate	100	BDL			
4-Bromophenylphenyl ether	100	BDL			
Butylbenzyl phthalate	100	BDL			
2-Chloronaphthalene	100	BDL			
4-Chlorophenyl phenylether	100	BDL			
Chrysene	100	BDL			
Dibenzo(a,H)anthracene	500	BDL			
1,2-Dichlorobenzene	100	BDL			
1,3-Dichlorobenzene	100	BDL			
1,4-Dichlorobenzene	100	BDL			
3,3-Dichlorobenzidine	100	BDL			
Diethyl phthalate	100	BDL			
Dimethyl phthalate	100	BDL			
Di-n-butyl phthalate	100	BDL			
2,4-Dinitrotoluene	100	BDL			
2,6-Dinitrotoluene	100	BDL			
Di-n-octyl phthalate	100	BDL			
1,2-Diphenylhydrazine	100	BDL			
Fluoranthene	100	BDL			
Fluorene	100	139.0			
Hexachlorobenzene	100	BDL			
Hexachlorobutadiene	100	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898298	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

Matrix Type :		S			
CTL Sample No.		10623			
Field ID		B68			
	MDL				
Hexachlorocyclopentadiene	100	BDL			
Hexachloroethane	100	BDL			
Indeno(1,2,3-cd)pyrene	500	BDL			
Isophorone	100	BDL			
Naphthalene	100	BDL			
Nitrobenzene	100	BDL			
N-Nitrosodimethylamine	100	BDL			
N-Nitrosodi-n-propylamine	100	BDL			
N-Nitrosodiphenylamine	100	BDL			
Phenanthrene	100	BDL			
Pyrene	100	BDL			
1,2,4-Trichlorobenzene	100	BDL			
2-Chlorophenol	500	BDL			
2,4-Dichlorophenol	500	BDL			
2,4-Dimethylphenol	500	BDL			
2-Methyl-46-dinitrophenol	500	BDL			
2,4-Dinitrophenol	500	BDL			
2-Nitrophenol	500	BDL			
4-Nitrophenol	500	BDL			
4-Chloro-3-methylphenol	500	BDL			
Pentachlorophenol	500	BDL			
Phenol	500	BDL			
2,4,6-Trichlorophenol	500	BDL			
Acenaphthene-d10_(SR)	---	83			
Phenanthrene-d10_(SR)	---	118			

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

SR = Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898298	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Acenaphthene	100			BDL	
Acenaphthylene	100			BDL	
Anthracene	100			BDL	
Benzidine	100			BDL	
Benzo(a)anthracene	100			BDL	
Benzo(a)pyrene	100			BDL	
3,4-Benzofluoranthene	100			BDL	
Benzo(ghi)perylene	500			BDL	
Benzo(k)fluoranthene	100			BDL	
Bis(2-chloroethoxy)methane	100			BDL	
Bis(2-Chloroethyl)Ether	100			BDL	
Bis(2chloroisopropyl)ether	100			BDL	
Bis(2-ethylhexyl)phthalate	100			BDL	
4-Bromophenylphenyl ether	100			BDL	
Butylbenzyl phthalate	100			BDL	
2-Chloronaphthalene	100			BDL	
4-Chlorophenyl phenylether	100			BDL	
Chrysene	100			BDL	
Dibenzo(a,H)anthracene	500			BDL	
1,2-Dichlorobenzene	100			BDL	
1,3-Dichlorobenzene	100	1,000.0	929.0	BDL	
1,4-Dichlorobenzene	100			BDL	
3,3-Dichlorobenzidine	100			BDL	
Diethyl phthalate	100			BDL	
Dimethyl phthalate	100			BDL	
Di-n-butyl phthalate	100			BDL	
2,4-Dinitrotoluene	100			BDL	
2,6-Dinitrotoluene	100			BDL	
Di-n-octyl phthalate	100			BDL	
1,2-Diphenylhydrazine	100			BDL	
Fluoranthene	100			BDL	
Fluorene	100			BDL	
Hexachlorobenzene	100			BDL	
Hexachlorobutadiene	100	1,000.0	914.0	BDL	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898298	Date Analyzed :	9/2/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/8/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/21/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Hexachlorocyclopentadiene	100			BDL	
Hexachloroethane	100	1,000.0	903.0	BDL	
Indeno(1,2,3-cd)pyrene	500			BDL	
Isophorone	100			BDL	
Naphthalene	100			BDL	
Nitrobenzene	100	1,000.0	929.0	BDL	
N-Nitrosodimethylamine	100			BDL	
N-Nitrosodi-n-propylamine	100			BDL	
N-Nitrosodiphenylamine	100			BDL	
Phenanthrene	100			BDL	
Pyrene	100			BDL	
1,2,4-Trichlorobenzene	100			BDL	
2-Chlorophenol	500			BDL	
2,4-Dichlorophenol	500			BDL	
2,4-Dimethylphenol	500			BDL	
2-Methyl-46-dinitrophenol	500			BDL	
2,4-Dinitrophenol	500	1,000.0	715.0	BDL	
2-Nitrophenol	500			BDL	
4-Nitrophenol	500			BDL	
4-Chloro-3-methylphenol	500			BDL	
Pentachlorophenol	500	1,000.0	936.0	BDL	
Phenol	500			BDL	
2,4,6-Trichlorophenol	500	1,000.0	1,301.0	BDL	
Acenaphthylene-d10 (SR)	---		73	96	
Phenanthrene-d10 (SR)	---		73	83	

SR = Surrogate Recovery - percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

LAB TRACKING No. 898298

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) JCB
Signature

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B66	8/21/98	SOIL	GLASS		125ml	
2	B67	8/21/98	SOIL	GLASS		125ml	(2)
3	B68	8/21/98	SOIL	GLASS		125ml	(4)
4	B69	8/21/98	SOIL	GLASS		125ml	
5	B70	8/21/98	SOIL	GLASS		125ml	(2)
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN									
015 SCAN									
8240 SCAN	✓	✓	✓	✓	✓				
624 SCAN									
25 SCAN									
504 SCAN									
608 / 8080 FULL SCAN									
608 / 8080 PCB ONLY			✓						
260 SCAN									
8100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
DB SCAN									
COLIFORM BACTERIA									

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.			✓						
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓	✓	✓	✓	✓				
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

8270 (BNE)			✓						
flashpoint			✓						
reactive sulfide			✓						
reactive cyanide			✓						
total cyanide			✓						
TCLP 8 metals			✓						

RELINQ BY:	Date 8/21/98	RELINQ BY:	Date
	Time 4:30 pm		Time
REC'D BY: Maureen McMahon	Date 8/21/98	REC'D BY:	Date
	Time 4:30		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

RECEIVED
SEP 17 1998
TANASSE HANGEN BRUSTLIN

September 15, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **August 26, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 898344
PO/JOB No.	: 40203
INVOICE No.	: 74185
ORDER No.	: 54549
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 8/26/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898344
Report Date: 9/14/98	PO/Job No. 40203

RESULTS OF ANALYSIS

TCLP EPA 1311

Matrix Type	**S**				
CTL Sample No.	**10721**				
Field Id.	**B-76**				
Arsenic-mg/L	ND<0.05				
Barium-mg/L	0.5				
Cadmium-mg/L	ND<0.005				
Chromium, Total-mg/L	ND<0.05				
Lead-mg/L	0.340				
Mercury-mg/L	ND<0.002				
Selenium-mg/L	ND<0.01				
Silver-mg/L	ND<0.01				

Matrix Type	**S**				
CTL Sample No.	**10721**				
Field Id.	**B-76**				
pH	6.9				
Reactive Sulfide-ppm	ND<50				
Reactive Cyanide-ppm	ND<1				
Cyanide, Total-ppm	ND<1.0				
Flashpoint ^{o}F	>200				
Total PCB's-ppm	ND<1				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/26/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898344
Report Date: 9/14/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Mass Analysis EPA 3050A

Matrix Type	**S**	**S**	**S**	**S**
CTL Sample No.	**10717**	**10718**	**10719**	**10720**
Field Id.	**B-72**	**B-73**	**B-74**	**B-75**
Cadmium-mg/kg	ND<0.5	ND<0.05	ND<0.05	ND<0.05
Nickel-mg/kg	36.9	16.4	8.2	11.4
Zinc-mg/kg	28.0	58.0	18.2	25.0

SPLP EPA 1312

Matrix Type	**S**			
CTL Sample No.	**10718**			
Field Id.	**B-73**			
Cadmium-mg/L	ND<0.005			
Nickel-mg/L	ND<0.05			
Zinc-mg/L	ND<0.05			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/26/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898344
Report Date: 9/14/98	PO/Job No. 40203

RESULTS OF ANALYSIS

EPA 418.1

Matrix Type: S

Field Id.	CTL #	Oil & Grease (TPH)-ppm			
B-71	10716	ND<25			
B-72	10717	152			
B-73	10718	76			
B-74	10719	ND<25			
B-75	10720	ND<25			
B-76	10721	60			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/27-8/31/98
Lab No.	: 898344	Date Analyzed :	8/27-8/31/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst :	YK

EPA METHOD 8260 GC/MS Date Samples Rec'd: 8/26/98

Matrix Type :		S	S	S	S
CTL Sample # :		10716	10717	10718	10719
Field ID :		B-71	B-72	B-73	B-74
	MDL				
Dichlorodifluoromethane	10	BDL	BDL	BDL	BDL
Chloromethane	10	BDL	BDL	BDL	BDL
Vinyl chloride	10	BDL	BDL	BDL	BDL
Chloroethane	10	BDL	BDL	BDL	BDL
Bromomethane	10	BDL	BDL	BDL	BDL
Trichlorofluoromethane	10	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	10	BDL	BDL	BDL	BDL
Methylene chloride	10	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	10	BDL	BDL	BDL	BDL
1,1-Dichloroethane	10	BDL	BDL	13.0	BDL
2,2-Dichloropropane	10	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	10	BDL	BDL	23.0	BDL
Chloroform	10	BDL	BDL	BDL	BDL
Bromochloromethane	10	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	10	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	10	BDL	BDL	BDL	BDL
Carbon tetrachloride	10	BDL	BDL	BDL	BDL
Benzene	10	BDL	BDL	BDL	BDL
1,2-Dichloroethane	10	BDL	BDL	BDL	BDL
Trichloroethylene	10	BDL	BDL	BDL	22.0
1,2-Dichloropropane	10	BDL	BDL	BDL	BDL
Bromodichloromethane	10	BDL	BDL	BDL	BDL
Dibromomethane	10	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
Toluene	10	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	10	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	10	BDL	BDL	BDL	BDL
Tetrachloroethylene	10	BDL	BDL	BDL	BDL
1,3-Dichloropropane	10	BDL	BDL	BDL	BDL
Dibromochloromethane	10	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	10	BDL	BDL	BDL	BDL
Chlorobenzene	10	BDL	BDL	189.0	BDL
Ethylbenzene	10	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
p/m-Xylene	10	BDL	BDL	BDL	BDL
o-Xylene	10	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/27-8/31/98
Lab No.	: 898344	Date Analyzed :	8/27-8/31/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

EPA METHOD 8260 GC/MS Date Samples Rec'd: 8/26/98

Matrix Type :		S	S	S	S
CTL Sample # :		10716	10717	10718	10719
Field ID :		B-71	B-72	B-73	B-74
	MDL				
Styrene	10	BDL	BDL	BDL	BDL
Bromoform	10	BDL	BDL	BDL	BDL
Isopropylbenzene	10	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	10	BDL	BDL	BDL	BDL
Bromobenzene	10	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	10	BDL	BDL	BDL	BDL
n-Propylbenzene	10	BDL	BDL	BDL	BDL
2-Chlorotoluene	10	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	10	BDL	BDL	BDL	BDL
4-Chlorotoluene	10	BDL	BDL	BDL	BDL
tert-Butylbenzene	10	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	10	BDL	BDL	BDL	BDL
sec-Butylbenzene	10	BDL	BDL	BDL	BDL
p-Isopropyltoluene	10	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	10	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	10	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	10	BDL	BDL	BDL	BDL
n-Butylbenzene	10	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	10	BDL	BDL	35.0	BDL
1,2Dibromo-3-chloropropane	10	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	10	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	10	BDL	BDL	BDL	BDL
Methyl ethyl ketone	50	BDL	BDL	BDL	BDL
Methyl butyl ketone	50	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	50	BDL	BDL	BDL	BDL
Dibromofluoromethane (SR)	---	119	118	119	119
Toluene-d8 (SR)	---	99	94	87	94

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous S= Soil/Solid O=Oil/Hydrocarbons

SR= Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
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(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/27-8/31/98
Lab No.	: 898344	Date Analyzed :	8/27-8/31/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst :	YK

EPA METHOD 8260 GC/MS Date Samples Rec'd: 8/26/98

Matrix Type :		S			
CTL Sample # :		10720			
Field ID :		B-75			
	MDL				
Dichlorodifluoromethane	10	BDL			
Chloromethane	10	BDL			
Vinyl chloride	10	BDL			
Chloroethane	10	BDL			
Bromomethane	10	BDL			
Trichlorofluoromethane	10	BDL			
1,1-Dichloroethylene	10	BDL			
Methylene chloride	10	BDL			
trans-1,2-Dichloroethylene	10	BDL			
1,1-Dichloroethane	10	BDL			
2,2-Dichloropropane	10	BDL			
cis-1,2-Dichloroethylene	10	BDL			
Chloroform	10	BDL			
Bromochloromethane	10	BDL			
1,1,1-Trichloroethane	10	BDL			
1,1-Dichloropropylene	10	BDL			
Carbon tetrachloride	10	BDL			
Benzene	10	BDL			
1,2-Dichloroethane	10	BDL			
Trichloroethylene	10	BDL			
1,2-Dichloropropane	10	BDL			
Bromodichloromethane	10	BDL			
Dibromomethane	10	BDL			
cis-1,3-Dichloropropylene	10	BDL			
Toluene	10	BDL			
t-1,3-Dichloropropylene	10	BDL			
1,1,2-Trichloroethane	10	BDL			
Tetrachloroethylene	10	BDL			
1,3-Dichloropropane	10	BDL			
Dibromochloromethane	10	BDL			
1,2-Dibromoethane (EDB)	10	BDL			
Chlorobenzene	10	BDL			
Ethylbenzene	10	BDL			
1,1,1,2-Tetrachloroethane	10	BDL			
p/m-Xylene	10	BDL			
o-Xylene	10	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

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Client	: VHB, Inc.	Date Extracted:	8/27-8/31/98
Lab No.	: 898344	Date Analyzed :	8/27-8/31/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

EPA METHOD 8260 GC/MS Date Samples Rec'd: 8/26/98

Matrix Type :		S			
CTL Sample # :		10720			
Field ID :		B-75			
	MDL				
Styrene	10	BDL			
Bromoform	10	BDL			
Isopropylbenzene	10	BDL			
1,1,2,2-Tetrachloroethane	10	BDL			
Bromobenzene	10	BDL			
1,2,3-Trichloropropane	10	BDL			
n-Propylbenzene	10	BDL			
2-Chlorotoluene	10	BDL			
1,3,5-Trimethylbenzene	10	BDL			
4-Chlorotoluene	10	BDL			
tert-Butylbenzene	10	BDL			
1,2,4-Trimethylbenzene	10	BDL			
sec-Butylbenzene	10	BDL			
p-Isopropyltoluene	10	BDL			
1,3-Dichlorobenzene	10	BDL			
1,2,3-Trimethylbenzene	10	BDL			
1,4-Dichlorobenzene	10	BDL			
n-Butylbenzene	10	BDL			
1,2-Dichlorobenzene	10	BDL			
1,2Dibromo-3-chloropropane	10	BDL			
1,2,4-Trichlorobenzene	10	BDL			
Hexachlorobutadiene	10	BDL			
Naphthalene	10	BDL			
1,2,3-Trichlorobenzene	10	BDL			
Methyl ethyl ketone	50	BDL			
Methyl butyl ketone	50	BDL			
Methyl isobutyl ketone	50	BDL			
Dibromofluoromethane (SR)	---	100			
Toluene-d8 (SR)	---	93			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

SR= Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898344	Date Analyzed :	9/2-9/9/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

EPA METHOD 8270C Modified Date Samples Rec'd: 8/26/98

Matrix Type :		S	S	S	
CTL Sample No.		10717	10720	10721	
Field ID		B-72	B-75	B-76	
	MDL				
Acenaphthene	100	BDL	BDL	BDL	
Acenaphthylene	100	BDL	BDL	110.0	
Anthracene	100	BDL	BDL	100.0	
Benzidine	100	BDL	BDL	BDL	
Benzo(a)anthracene	100	BDL	BDL	674.0	
Benzo(a)pyrene	100	BDL	BDL	347.0	
3,4-Benzofluoranthene	100	BDL	BDL	BDL	
Benzo(ghi)perylene	500	BDL	BDL	BDL	
Benzo(k)fluoranthene	100	BDL	BDL	BDL	
Bis(2-chloroethoxy)methane	100	BDL	BDL	BDL	
Bis(2-Chloroethyl)Ether	100	BDL	BDL	BDL	
Bis(2chloroisopropyl)ether	100	BDL	BDL	BDL	
Bis(2-ethylhexyl)phthalate	100	BDL	BDL	BDL	
4-Bromophenylphenyl ether	100	BDL	BDL	BDL	
Butylbenzyl phthalate	100	BDL	BDL	BDL	
2-Chloronaphthalene	100	BDL	BDL	BDL	
4-Chlorophenyl phenylether	100	BDL	BDL	BDL	
Chrysene	100	BDL	BDL	840.0	
Dibenzo(a,H)anthracene	500	BDL	BDL	BDL	
1,2-Dichlorobenzene	100	BDL	BDL	BDL	
1,3-Dichlorobenzene	100	BDL	BDL	BDL	
1,4-Dichlorobenzene	100	BDL	BDL	BDL	
3,3-Dichlorobenzidine	100	BDL	BDL	BDL	
Diethyl phthalate	100	BDL	BDL	BDL	
Dimethyl phthalate	100	BDL	BDL	BDL	
Di-n-butyl phthalate	100	BDL	BDL	BDL	
2,4-Dinitrotoluene	100	BDL	BDL	BDL	
2,6-Dinitrotoluene	100	BDL	BDL	BDL	
Di-n-octyl phthalate	100	BDL	BDL	BDL	
1,2-Diphenylhydrazine	100	BDL	BDL	BDL	
Fluoranthene	100	BDL	BDL	1,274.0	
Fluorene	100	BDL	BDL	BDL	
Hexachlorobenzene	100	BDL	BDL	BDL	
Hexachlorobutadiene	100	BDL	BDL	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous S= Soil/Solid O= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898344	Date Analyzed :	9/2-9/9/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

EPA METHOD 8270C Modified **Date Samples Rec'd:** 8/26/98

Matrix Type :		**S**	**S**	**S**	
CTL Sample No.		**10717**	**10720**	**10721**	
Field ID		**B-72**	**B-75**	**B-76**	
	MDL				
Hexachlorocyclopentadiene	100	BDL	BDL	BDL	
Hexachloroethane	100	BDL	BDL	BDL	
Indeno(1,2,3-cd)pyrene	500	BDL	BDL	BDL	
Isophorone	100	BDL	BDL	BDL	
Naphthalene	100	BDL	BDL	BDL	
Nitrobenzene	100	BDL	BDL	BDL	
N-Nitrosodimethylamine	100	BDL	BDL	BDL	
N-Nitrosodi-n-propylamine	100	BDL	BDL	BDL	
N-Nitrosodiphenylamine	100	BDL	BDL	BDL	
Phenanthrene	100	BDL	BDL	382.0	
Pyrene	100	BDL	BDL	1,175.0	
1,2,4-Trichlorobenzene	100	BDL	BDL	BDL	
2-Chlorophenol	500	BDL	BDL	BDL	
2,4-Dichlorophenol	500	BDL	BDL	BDL	
2,4-Dimethylphenol	500	BDL	BDL	BDL	
2-Methyl-46-dinitrophenol	500	BDL	BDL	BDL	
2,4-Dinitrophenol	500	BDL	BDL	BDL	
2-Nitrophenol	500	BDL	BDL	BDL	
4-Nitrophenol	500	BDL	BDL	BDL	
4-Chloro-3-methylphenol	500	BDL	BDL	BDL	
Pentachlorophenol	500	BDL	BDL	BDL	
Phenol	500	BDL	BDL	BDL	
2,4,6-Trichlorophenol	500	BDL	BDL	BDL	
Acenaphthene-d10 (SR)	---	68	102	69	
Phenanthrene-d10 (SR)	---	99	86	94	

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type: **W** = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

SR = Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/26/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898344
Report Date: 9/14/98	PO/Job No. 40203

QUALITY CONTROL DATA

TCLP Metals

	LSB Conc.	LSB Result	Method Blank	
Arsenic-mg/L	0.085	0.076	ND<0.05	
Barium-mg/L	1.0	1.0	ND<0.5	
Cadmium-mg/L	0.075	0.071	ND<0.005	
Chromium, Total-mg/L	0.45	0.071	ND<0.05	
Lead-mg/L	0.065	0.079	ND<0.005	
Mercury-mg/L	0.0065	0.0082	ND<0.002	
Selenium-mg/L	0.055	0.058	ND<0.01	
Silver-mg/L	0.15	0.15	ND<0.01	

	LSB Conc.	LSB Result	Method Blank	
pH				
Total PCB's-ppm	10	11	ND<1	
Flashpoint °F	140	136	>200	
Cyanide, Total-ppm	40	35	ND<1.0	
Oil & Grease (TPH)-ppm	605	575	ND<25	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 8/26/98

Client Name: **VHB, Inc.**	CTL Lab. No. 898344
Report Date: 9/14/98	PO/Job No. 40203

QUALITY CONTROL DATA

Mass Analysis EPA 3050A

	LSB Conc.	LSB Result	Method Blank	
Cadmium-mg/kg	58.9	63.4	ND<0.5	
Nickel-mg/kg	73.6	75.0	ND<0.5	
Zinc-mg/kg	91.0	94.0	ND<0.5	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Client	: VHB, Inc.	Date Extracted:	8/27-8/31/98
Lab No.	: 898344	Date Analyzed :	8/27-8/31/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260B GC/MS Date Samples Rec'd: 8/26/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Dichlorodifluoromethane	10				
Chloromethane	10				
Vinyl chloride	10				
Chloroethane	10				
Bromomethane	10				
Trichlorofluoromethane	10				
1,1-Dichloroethylene	10	200.0	190.0		
Methylene chloride	10				
trans-1,2-Dichloroethylene	10	200.0	230.0		
1,1-Dichloroethane	10	200.0	230.0		
2,2-Dichloropropane	10				
cis-1,2-Dichloroethylene	10	200.0	210.0		
Chloroform	10				
Bromochloromethane	10				
1,1,1-Trichloroethane	10	200.0	230.0		
1,1-Dichloropropylene	10				
Carbon tetrachloride	10	200.0	200.0		
Benzene	10	200.0	240.0		
1,2-Dichloroethane	10	200.0	200.0		
Trichloroethylene	10	200.0	210.0		
1,2-Dichloropropane	10				
Bromodichloromethane	10	120.0	200.0		
Dibromomethane	10				
cis-1,3-Dichloropropylene	10				
Toluene	10	200.0	210.0		
t-1,3-Dichloropropylene	10				
1,1,2-Trichloroethane	10				
Tetrachloroethylene	10	200.0	210.0		
1,3-Dichloropropane	10				
Dibromochloromethane	10				
1,2-Dibromoethane (EDB)	10				
Chlorobenzene	10	200.0	260.0		
Ethylbenzene	10	200.0	240.0		
1,1,1,2-Tetrachloroethane	10				
p/m-Xylene	10	200.0	230.0		
o-Xylene	10	200.0	240.0		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB
Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons
SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

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Client	: VHB, Inc.	Date Extracted:	8/27-8/31/98
Lab No.	: 898344	Date Analyzed :	8/27-8/31/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260B GC/MS Date Samples Rec'd: 8/26/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Styrene	10			BDL	
Bromoform	10	200.0	240.0	BDL	
Isopropylbenzene	10			BDL	
1,1,2,2-Tetrachloroethane	10	200.0	230.0	BDL	
Bromobenzene	10			BDL	
1,2,3-Trichloropropane	10			BDL	
n-Propylbenzene	10			BDL	
2-Chlorotoluene	10			BDL	
1,3,5-Trimethylbenzene	10			BDL	
4-Chlorotoluene	10			BDL	
tert-Butylbenzene	10			BDL	
1,2,4-Trimethylbenzene	10			BDL	
sec-Butylbenzene	10			BDL	
p-Isopropyltoluene	10			BDL	
1,3-Dichlorobenzene	10			BDL	
1,2,3-Trimethylbenzene	10			BDL	
1,4-Dichlorobenzene	10			BDL	
n-Butylbenzene	10			BDL	
1,2-Dichlorobenzene	10			BDL	
1,2Dibromo-3-chloropropane	10			BDL	
1,2,4-Trichlorobenzene	10			BDL	
Hexachlorobutadiene	10			BDL	
Naphthalene	10			BDL	
1,2,3-Trichlorobenzene	10			BDL	
Methyl ethyl ketone	50			BDL	
Methyl butyl ketone	50			BDL	
Methyl isobutyl ketone	50			BDL	
Dibromochloromethane (SR)	---		96	93	
Toluene-d10 (SR)	---		94	78	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
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Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898344	Date Analyzed :	9/2-9/9/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 8/26/98

	MDL	LSB TV	LSB Results	Method Blank	
Acenaphthene	100			BDL	
Acenaphthylene	100			BDL	
Anthracene	100			BDL	
Benzidine	100			BDL	
Benzo(a)anthracene	100			BDL	
Benzo(a)pyrene	100			BDL	
3,4-Benzofluoranthene	100			BDL	
Benzo(ghi)perylene	500			BDL	
Benzo(k)fluoranthene	100			BDL	
Bis(2-chloroethoxy)methane	100			BDL	
Bis(2-Chloroethyl)Ether	100			BDL	
Bis(2chloroisopropyl)ether	100			BDL	
Bis(2-ethylhexyl)phthalate	100			BDL	
4-Bromophenylphenyl ether	100			BDL	
Butylbenzyl phthalate	100			BDL	
2-Chloronaphthalene	100			BDL	
4-Chlorophenyl phenylether	100			BDL	
Chrysene	100			BDL	
Dibenzo(a,H)anthracene	500			BDL	
1,2-Dichlorobenzene	100			BDL	
1,3-Dichlorobenzene	100			BDL	
1,4-Dichlorobenzene	100	900.0	929.0	BDL	
3,3-Dichlorobenzidine	100			BDL	
Diethyl phthalate	100			BDL	
Dimethyl phthalate	100			BDL	
Di-n-butyl phthalate	100			BDL	
2,4-Dinitrotoluene	100	900.0	715.0	BDL	
2,6-Dinitrotoluene	100			BDL	
Di-n-octyl phthalate	100			BDL	
1,2-Diphenylhydrazine	100			BDL	
Fluoranthene	100			BDL	
Fluorene	100			BDL	
Hexachlorobenzene	100	900.0	968.0	BDL	
Hexachlorobutadiene	100	900.0	914.0	BDL	

LSB = Laboratory Spiked Blank

MDL = Minimum Detectable Level/BDL = Below Detection Level/UNITS = PPB

Matrix Type: W = Water/Aqueous S = Soil/Solid O = Oil/Hydrocarbons

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Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	8/31/98
Lab No.	: 898344	Date Analyzed :	9/2-9/9/98
PO No.	: 40203		
Rep. Date	: 9/14/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 8/26/98

	MDL	LSB TV	LSB Results	Method Blank	
Hexachlorocyclopentadiene	100			BDL	
Hexachloroethane	100	900.0	903.0	BDL	
Indeno(1,2,3-cd)pyrene	500			BDL	
Isophorone	100			BDL	
Naphthalene	100			BDL	
Nitrobenzene	100	900.0	929.0	BDL	
N-Nitrosodimethylamine	100			BDL	
N-Nitrosodi-n-propylamine	100			BDL	
N-Nitrosodiphenylamine	100			BDL	
Phenanthrene	100			BDL	
Pyrene	100			BDL	
1,2,4-Trichlorobenzene	100			BDL	
2-Chlorophenol	500			BDL	
2,4-Dichlorophenol	500			BDL	
2,4-Dimethylphenol	500			BDL	
2-Methyl-46-dinitrophenol	500			BDL	
2,4-Dinitrophenol	500			BDL	
2-Nitrophenol	500			BDL	
4-Nitrophenol	500			BDL	
4-Chloro-3-methylphenol	500			BDL	
Pentachlorophenol	500			BDL	
Phenol	500			BDL	
2,4,6-Trichlorophenol	500	900.0	1,301.0	BDL	
Acenaphthene-d10 (SR)	---		72	90	
Phenanthrene-d10 (SR)	---		72	76	

LSB = Laboratory Spiked Blank/**SR** = Surrogate Recovery-percent

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type: W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No. 898344

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbi Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) Debbie Wojcicki
Signature : Deborah K Wojcicki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	B-71	8/25/98	SOIL	GLASS		125ml	(2)
2	B-72	8/25/98	SOIL	GLASS		125ml	(2)
3	B-73	8/25/98	SOIL	GLASS		125ml	(2)
4	B-74	8/25/98	SOIL	GLASS		125ml	(2)
5	B-75	8/25/98	SOIL	GLASS		125ml	(2)
6	B-76	8/25/98	SOIL	GLASS		125ml	(2)
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
02 / 8020 SCAN									
015 SCAN									
8240 SCAN	✓	✓	✓	✓	✓				
24 SCAN									
25 SCAN									
604 SCAN									
08 / 8080 FULL SCAN									
08 (8080 PCB ONLY)						✓			
8260 SCAN									
8100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
DB SCAN									
COLIFORM BACTERIA									

*Please analyze highest to lowest Cd, Ni & Zn samples for SPLP.
Note: Please use CT RSRs to determine detection limits.

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.						✓			
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓	✓	✓	✓	✓	✓			
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

	1	2	3	4	5	6	7	8
8270 (BNE)		✓			✓	✓		
Cadmium (TCL)		✓	✓	✓	✓			
Nickel (TCL)		✓	✓	✓	✓			
Zinc (TCL)		✓	✓	✓	✓			
Cadmium (SPLP)*								
Nickel (SPLP)*								
Zinc (SPLP)*								
arsenic (6010)						✓		
Flashpoint						✓		
reactive sulfide						✓		
reactive cyanide						✓		
Total Cyanide						✓		
TCLP 8 metals						✓		

RELINQ BY:	Date 8/26/98	RELINQ BY:	Date
	Time 11:00 am		Time
REC'D BY:	Date 8/26/98	REC'D BY:	Date
	Time 11:00 am		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

ATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

RECEIVED
SEP 2 3 1998
AMASSE HANGEN BRUSTLIN

September 21, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

Please find attached laboratory report(s) for the samples submitted on : **September 4, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	:	998068
PO/JOB No.	:	40203
INVOICE No.	:	74273
ORDER No.	:	54637
CUSTOMER No.	:	957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/4/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998068
Report Date: 9/18/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Dissolved Metals

Matrix Type	**W**	**W**		
CTL Sample No.	**11133**	**11135**		
Field Id.	**MW-1**	**MW-21**		
Zinc-mg/L	0.74	0.32		
Nickel-mg/L	ND<0.05	ND<0.05		
Cadmium-mg/L	ND<0.005	ND<0.005		

EPA 418.1

Matrix Type	**W**	**W**		
CTL Sample No.	**11133**	**11134**		
Field Id.	**MW-1**	**MW-3**		
Oil & Grease (TPH)-mg/L	ND<0.5	776		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998068	Date Analyzed	: 9/17/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/4/98

Matrix Type :		W	W		
Field ID :	**MDL**	**MW-1**	**Trip Blank**		
Dichlorodifluoromethane	1	BDL	BDL		
Chloromethane	1	BDL	BDL		
Vinyl chloride	1	BDL	BDL		
Chloroethane	1	BDL	BDL		
Bromomethane	1	BDL	BDL		
Trichlorofluoromethane	1	BDL	BDL		
1,1-Dichloroethylene	1	2.0	BDL		
Methylene chloride	1	BDL	BDL		
trans-1,2-Dichloroethylene	1	BDL	BDL		
1,1-Dichloroethane	1	BDL	BDL		
2,2-Dichloropropane	1	BDL	BDL		
cis-1,2-Dichloroethylene	1	22.0	BDL		
Chloroform	1	BDL	BDL		
Bromochloromethane	1	BDL	BDL		
1,1,1-Trichloroethane	1	BDL	BDL		
1,1-Dichloropropylene	1	BDL	BDL		
Carbon tetrachloride	1	BDL	BDL		
Benzene	1	BDL	BDL		
1,2-Dichloroethane	1	BDL	BDL		
Trichloroethylene	1	81.0	BDL		
1,2-Dichloropropane	1	BDL	BDL		
Bromodichloromethane	1	BDL	BDL		
Dibromomethane	1	BDL	BDL		
cis-1,3-Dichloropropylene	1	BDL	BDL		
Toluene	1	BDL	BDL		
t-1,3-Dichloropropylene	1	BDL	BDL		
1,1,2-Trichloroethane	1	BDL	BDL		
Tetrachloroethylene	1	BDL	BDL		
1,3-Dichloropropane	1	BDL	BDL		
Dibromochloromethane	1	BDL	BDL		
1,2-Dibromoethane (EDB)	1	BDL	BDL		
Chlorobenzene	1	BDL	BDL		
Ethylbenzene	1	BDL	BDL		
1,1,1,2-Tetrachloroethane	1	BDL	BDL		
p/m-Xylene	1	BDL	BDL		
o-Xylene	1	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998068	Date Analyzed	: 9/17/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/4/98

Matrix Type :		W	W		
Field ID :	MDL MDL	MW-1	Trip Blank		
Styrene	1	BDL	BDL		
Bromoform	1	BDL	BDL		
Isopropylbenzene	1	BDL	BDL		
1,1,2,2-Tetrachloroethane	1	BDL	BDL		
Bromobenzene	1	BDL	BDL		
1,2,3-Trichloropropane	1	BDL	BDL		
n-Propylbenzene	1	BDL	BDL		
2-Chlorotoluene	1	BDL	BDL		
1,3,5-Trimethylbenzene	1	BDL	BDL		
4-Chlorotoluene	1	BDL	BDL		
tert-Butylbenzene	1	BDL	BDL		
1,2,4-Trimethylbenzene	1	BDL	BDL		
sec-Butylbenzene	1	BDL	BDL		
p-Isopropyltoluene	1	BDL	BDL		
1,3-Dichlorobenzene	1	BDL	BDL		
1,2,3-Trimethylbenzene	1	BDL	BDL		
1,4-Dichlorobenzene	1	BDL	BDL		
n-Butylbenzene	1	BDL	BDL		
1,2-Dichlorobenzene	1	BDL	BDL		
1,2Dibromo-3-chloropropane	1	BDL	BDL		
1,2,4-Trichlorobenzene	1	BDL	BDL		
Hexachlorobutadiene	10	BDL	BDL		
Naphthalene	10	BDL	BDL		
1,2,3-Trichlorobenzene	1	BDL	BDL		
Methyl ethyl ketone	10	BDL	BDL		
Methyl butyl ketone	10	BDL	BDL		
Methyl isobutyl ketone	10	BDL	BDL		
MTBE	1	9.0	BDL		
Dibromofluoromethane (SR)	---	106	96		
Toluene-d8 (SR)	---	103	97		

SR = Surrogate Recovery Percent

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type : W = Water/Aqueous S = Soil/Solid O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/4/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998068
Report Date: 9/18/98	PO/Job No. 40203

QUALITY CONTROL DATA

	LSB Conc.	LSB Results	Method Blank	
Zinc-mg/L	0.65	0.64	ND<0.05	
Nickel-mg/L	0.30	0.26	ND<0.05	
Cadmium-mg/L	0.075	0.065	ND<0.005	

	LSB Conc.	LSB Results	Method Blank	
Oil & Grease (TPH)-mg/L	5.0	4.6	ND<0.5	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998068	Date Analyzed	: 9/17/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/4/98

	MDL	LSB TV	LSB Results	Method Blank	
Dichlorodifluoromethane	1			BDL	
Chloromethane	1			BDL	
Vinyl chloride	1			BDL	
Chloroethane	1			BDL	
Bromomethane	1			BDL	
Trichlorofluoromethane	1			BDL	
1,1-Dichloroethylene	1	20.0	19.0	BDL	
Methylene chloride	1			BDL	
trans-1,2-Dichloroethylene	1	20.0	23.0	BDL	
1,1-Dichloroethane	1	20.0	21.0	BDL	
2,2-Dichloropropane	1			BDL	
cis-1,2-Dichloroethylene	1	20.0	19.0	BDL	
Chloroform	1	20.0	19.0	BDL	
Bromochloromethane	1			BDL	
1,1,1-Trichloroethane	1	20.0	21.0	BDL	
1,1-Dichloropropylene	1			BDL	
Carbon tetrachloride	1	20.0	19.0	BDL	
Benzene	1	20.0	20.0	BDL	
1,2-Dichloroethane	1	20.0	18.0	BDL	
Trichloroethylene	1	20.0	20.0	BDL	
1,2-Dichloropropane	1			BDL	
Bromodichloromethane	1	20.0	17.0	BDL	
Dibromomethane	1			BDL	
cis-1,3-Dichloropropylene	1			BDL	
Toluene	1	20.0	20.0	BDL	
t-1,3-Dichloropropylene	1			BDL	
1,1,2-Trichloroethane	1			BDL	
Tetrachloroethylene	1	20.0	20.0	BDL	
1,3-Dichloropropane	1			BDL	
Dibromochloromethane	1			BDL	
1,2-Dibromoethane (EDB)	1			BDL	
Chlorobenzene	1	20.0	20.0	BDL	
Ethylbenzene	1	20.0	20.0	BDL	
1,1,1,2-Tetrachloroethane	1			BDL	
p/m-Xylene	1	20.0	20.0	BDL	
o-Xylene	1	20.0	23.0	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998068	Date Analyzed	: 9/17/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/4/98

	MDL	LSB TV	LSB Results	Method Blank	
Styrene	1			BDL	
Bromoform	1			BDL	
Isopropylbenzene	1			BDL	
1,1,2,2-Tetrachloroethane	1	20.0	18.0	BDL	
Bromobenzene	1			BDL	
1,2,3-Trichloropropane	1			BDL	
n-Propylbenzene	1			BDL	
2-Chlorotoluene	1			BDL	
1,3,5-Trimethylbenzene	1			BDL	
4-Chlorotoluene	1			BDL	
tert-Butylbenzene	1			BDL	
1,2,4-Trimethylbenzene	1			BDL	
sec-Butylbenzene	1			BDL	
p-Isopropyltoluene	1			BDL	
1,3-Dichlorobenzene	1			BDL	
1,2,3-Trimethylbenzene	1			BDL	
1,4-Dichlorobenzene	1			BDL	
n-Butylbenzene	1			BDL	
1,2-Dichlorobenzene	1			BDL	
1,2Dibromo-3-chloropropane	1			BDL	
1,2,4-Trichlorobenzene	1			BDL	
Hexachlorobutadiene	1			BDL	
Naphthalene	1			BDL	
1,2,3-Trichlorobenzene	1			BDL	
Dibromofluoromethane (SR)	---		113	102	
Toluene-d8 (SR)	---		110	101	

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

September 24, 1998

RECEIVED
SEP 28 1998
VANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Ms. Debbie Wojcicki

Please find attached laboratory report(s) for the samples submitted on : **September 8, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 998097
PO/JOB No.	: 40203
INVOICE No.	: 74336
ORDER No.	: 54700
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/8/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998097
Report Date: 9/23/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Matrix Type	**W**	**W**	**W**	**W**
CTL Sample No.	**11220**	**11221**	**11222**	**11223**
Field Id.	**MW-9**	**MW-19**	**MW-4**	**MW-2**
Cadmium, Dissolved-mg/L	ND<0.005	---	---	---
Copper, Dissolved-mg/L	ND<0.01	0.02	0.07	---
Zinc, Dissolved-mg/L	ND<0.05	1.82	0.31	ND<0.05
Arsenic, Dissolved-mg/L	---	ND<0.004	ND<0.004	---
Lead, Dissolved-mg/L	---	ND<0.005	ND<0.005	---
Nickel, Dissolved-mg/L	---	3.08	0.87	0.07
Thallium, Dissolved-mg/L	---	ND<0.002	ND<0.002	---
Cyanide, Total-mg/L	---	ND<0.05	ND<0.05	---
Oil & Grease (TPH)-mg/L	---	ND<5	ND<5	ND<5

Matrix Type	**W**			
CTL Sample No.	**11224**			
Field Id.	**MW-17**			
Arsenic, Dissolved-mg/L	ND<0.004			
Oil & Grease (TPH)-mg/L	ND<5			

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998097	Date Analyzed :	9/17/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/8/98

Matrix Type :		W	W	W	W
Field ID :	MDL	MW-19	MW-4	MW-2	MW-17
Dichlorodifluoromethane	1	BDL	BDL	BDL	BDL
Chloromethane	1	BDL	BDL	BDL	BDL
Vinyl chloride	1	BDL	BDL	BDL	BDL
Chloroethane	1	BDL	BDL	BDL	BDL
Bromomethane	1	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	1	BDL	BDL	BDL	BDL
Methylene chloride	1	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	1	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1	BDL	BDL	BDL	BDL
2,2-Dichloropropane	1	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	1	1.0	BDL	BDL	BDL
Chloroform	1	BDL	BDL	BDL	5.0
Bromochloromethane	1	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	1	BDL	BDL	BDL	BDL
Carbon tetrachloride	1	BDL	BDL	BDL	BDL
Benzene	1	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1	BDL	BDL	BDL	BDL
Trichloroethylene	1	6.0	29.0	BDL	4.0
1,2-Dichloropropane	1	BDL	BDL	BDL	BDL
Bromodichloromethane	1	BDL	BDL	BDL	BDL
Dibromomethane	1	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
Toluene	1	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1	BDL	BDL	BDL	BDL
Tetrachloroethylene	1	BDL	BDL	BDL	BDL
1,3-Dichloropropane	1	BDL	BDL	BDL	BDL
Dibromochloromethane	1	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	1	BDL	BDL	BDL	BDL
Chlorobenzene	1	BDL	BDL	BDL	BDL
Ethylbenzene	1	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
p/m-Xylene	1	BDL	BDL	BDL	BDL
o-Xylene	1	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous S= Soil/Solid O=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998097	Date Analyzed :	9/17/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

EPA METHOD 8260B GC/MS **Date Samples Rec'd:** 9/8/98

	MDL				
Matrix Type :		W	W	W	W
Field ID :		MW-19	MW-4	MW-2	MW-17
Styrene	1	BDL	BDL	BDL	BDL
Bromoform	1	BDL	BDL	BDL	BDL
Isopropylbenzene	1	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
Bromobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	1	BDL	BDL	BDL	BDL
n-Propylbenzene	1	BDL	BDL	BDL	BDL
2-Chlorotoluene	1	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	1	BDL	2.0	BDL	BDL
4-Chlorotoluene	1	BDL	BDL	BDL	BDL
tert-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	1	BDL	2.0	BDL	BDL
sec-Butylbenzene	1	BDL	BDL	BDL	BDL
p-Isopropyltoluene	1	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	1	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1	BDL	BDL	BDL	BDL
n-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2Dibromo-3-chloropropane	1	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	18.0	BDL	BDL
1,2,3-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Methyl ethyl ketone	10	BDL	BDL	BDL	BDL
Methyl butyl ketone	10	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	10	BDL	BDL	BDL	BDL
MTBE	1	BDL	1.0	BDL	7.0
Dibromofluoromethane (SR)	---	99	106	101	96
Toluene-d8 (SR)	---	83	97	90	89

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998097	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

EPA METHOD 8270C Modified **Date Samples Rec'd: 9/8/98**

Matrix Type :		W	W	W	
CTL Sample No.		11221	11222	11224	
Field ID		MW-19	MW-4	MW-17	
	MDL				
Acenaphthene	5	BDL	5.0	BDL	
Acenaphthylene	0.3	BDL	4.8	BDL	
Anthracene	5	BDL	BDL	BDL	
Benzidine	5	BDL	BDL	BDL	
Benzo(a)anthracene	0.3	BDL	BDL	BDL	
Benzo(a)pyrene	0.3	BDL	BDL	BDL	
3,4-Benzofluoranthene	0.3	BDL	BDL	BDL	
Benzo(ghi)perylene	20	BDL	BDL	BDL	
Benzo(k)fluoranthene	0.3	BDL	BDL	BDL	
Bis(2-chloroethoxy)methane	5	BDL	BDL	BDL	
Bis(2-Chloroethyl)Ether	5	BDL	BDL	BDL	
Bis(2chloroisopropyl)ether	5	BDL	BDL	BDL	
Bis(2-ethylhexyl)phthalate	5	BDL	BDL	BDL	
4-Bromophenylphenyl ether	5	BDL	BDL	BDL	
Butylbenzyl phthalate	5	BDL	BDL	BDL	
2-Chloronaphthalene	5	BDL	BDL	BDL	
4-Chlorophenyl phenylether	5	BDL	BDL	BDL	
Chrysene	5	BDL	BDL	BDL	
Dibenzo(a,H)anthracene	20	BDL	BDL	BDL	
1,2-Dichlorobenzene	5	BDL	BDL	BDL	
1,3-Dichlorobenzene	5	BDL	BDL	BDL	
1,4-Dichlorobenzene	5	BDL	BDL	BDL	
3,3-Dichlorobenzidine	5	BDL	BDL	BDL	
Diethyl phthalate	5	BDL	BDL	BDL	
Dimethyl phthalate	5	BDL	BDL	BDL	
Di-n-butyl phthalate	5	BDL	BDL	BDL	
2,4-Dinitrotoluene	5	BDL	BDL	BDL	
2,6-Dinitrotoluene	5	BDL	BDL	BDL	
Di-n-octyl phthalate	5	BDL	BDL	BDL	
1,2-Diphenylhydrazine	5	BDL	BDL	BDL	
Fluoranthene	5	BDL	BDL	BDL	
Fluorene	5	BDL	8.0	BDL	
Hexachlorobenzene	.07	BDL	BDL	BDL	
Hexachlorobutadiene	5	BDL	BDL	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998097	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

EPA METHOD 8270C Modified **Date Samples Rec'd: 9/8/98**

Matrix Type :		W	W	W	
CTL Sample No.		11221	11222	11224	
Field ID		MW-19	MW-4	MW-17	
	MDL				
Hexachlorocyclopentadiene	5	BDL	BDL	BDL	
Hexachloroethane	5	BDL	BDL	BDL	
Indeno(1,2,3-cd)pyrene	20	BDL	BDL	BDL	
Isophorone	5	BDL	BDL	BDL	
Naphthalene	5	BDL	99.0	BDL	
Nitrobenzene	5	BDL	BDL	BDL	
N-Nitrosodimethylamine	5	BDL	BDL	BDL	
N-Nitrosodi-n-propylamine	5	BDL	BDL	BDL	
N-Nitrosodiphenylamine	5	BDL	BDL	BDL	
Phenanthrene	.07	BDL	12.0	BDL	
Pyrene	5	BDL	BDL	BDL	
1,2,4-Trichlorobenzene	5	BDL	BDL	BDL	
2-Chlorophenol	20	BDL	BDL	BDL	
2,4-Dichlorophenol	20	BDL	BDL	BDL	
2,4-Dimethylphenol	20	BDL	BDL	BDL	
2-Methyl-46-dinitrophenol	20	BDL	BDL	BDL	
2,4-Dinitrophenol	20	BDL	BDL	BDL	
2-Nitrophenol	20-	BDL	BDL	BDL	
4-Nitrophenol	20	BDL	BDL	BDL	
4-Chloro-3-methylphenol	20	BDL	BDL	BDL	
Pentachlorophenol	20	BDL	BDL	BDL	
Phenol	20	BDL	BDL	BDL	
2,4,6-Trichlorophenol	20	BDL	BDL	BDL	
Acenaphthene-d10 (SR)	---	100	117	89	
Phenanthrene-d10 (SR)	---	85	119	79	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/8/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998097
Report Date: 9/23/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Results	Method Blank	
Cadmium-mg/L	0.075	0.069	ND<0.005	
Copper-mg/L	1.10	1.15	ND<0.01	
Zinc-mg/L	0.65	0.66	ND<0.05	
Arsenic-mg/L	0.085	0.098	ND<0.05	
Lead-mg/L	0.065	0.056	ND<0.005	
Nickel-mg/L	0.30	0.30	ND<0.05	
Thallium-mg/L	0.075	0.071	ND<0.002	

	LSB Conc.	LSB Results	Method Blank	
Cyanide, Total-mg/L	0.48	0.44	ND<0.05	
Oil & Grease (TPH)-mg/L	50	46	ND<5	

Matrix Types : W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998097	Date Analyzed :	9/17/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

QUALITY CONTROL DATA

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/8/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Dichlorodifluoromethane	1			BDL	
Chloromethane	1			BDL	
Vinyl chloride	1			BDL	
Chloroethane	1			BDL	
Bromomethane	1			BDL	
Trichlorofluoromethane	1			BDL	
1,1-Dichloroethylene	1	20.0	19.0	BDL	
Methylene chloride	1			BDL	
trans-1,2-Dichloroethylene	1	20.0	23.0	BDL	
1,1-Dichloroethane	1	20.0	21.0	BDL	
2,2-Dichloropropane	1			BDL	
cis-1,2-Dichloroethylene	1	20.0	19.0	BDL	
Chloroform	1	20.0	19.0	BDL	
Bromochloromethane	1			BDL	
1,1,1-Trichloroethane	1	20.0	21.0	BDL	
1,1-Dichloropropylene	1			BDL	
Carbon tetrachloride	1	20.0	19.0	BDL	
Benzene	1	20.0	20.0	BDL	
1,2-Dichloroethane	1	20.0	18.0	BDL	
Trichloroethylene	1	20.0	20.0	BDL	
1,2-Dichloropropane	1			BDL	
Bromodichloromethane	1	20.0	17.0	BDL	
Dibromomethane	1			BDL	
cis-1,3-Dichloropropylene	1			BDL	
Toluene	1	20.0	20.0	BDL	
t-1,3-Dichloropropylene	1			BDL	
1,1,2-Trichloroethane	1			BDL	
Tetrachloroethylene	1	20.0	20.0	BDL	
1,3-Dichloropropane	1			BDL	
Dibromochloromethane	1			BDL	
1,2-Dibromoethane (EDB)	1			BDL	
Chlorobenzene	1	20.0	20.0	BDL	
Ethylbenzene	1	20.0	22.0	BDL	
1,1,1,2-Tetrachloroethane	1			BDL	
p/m-Xylene	1	20.0	20.0	BDL	
o-Xylene	1	20.0	23.0	BDL	

LSB = Laboratory Spiked Blank
MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB
Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998097	Date Analyzed :	9/17/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

QUALITY CONTROL DATA

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/8/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Styrene	1			BDL	
Bromoform	1			BDL	
Isopropylbenzene	1			BDL	
1,1,2,2-Tetrachloroethane	1	20.0	18.0	BDL	
Bromobenzene	1			BDL	
1,2,3-Trichloropropane	1			BDL	
n-Propylbenzene	1			BDL	
2-Chlorotoluene	1			BDL	
1,3,5-Trimethylbenzene	1			BDL	
4-Chlorotoluene	1			BDL	
tert-Butylbenzene	1			BDL	
1,2,4-Trimethylbenzene	1			BDL	
sec-Butylbenzene	1			BDL	
p-Isopropyltoluene	1			BDL	
1,3-Dichlorobenzene	1			BDL	
1,2,3-Trimethylbenzene	1			BDL	
1,4-Dichlorobenzene	1			BDL	
n-Butylbenzene	1			BDL	
1,2-Dichlorobenzene	1			BDL	
1,2Dibromo-3-chloropropane	1			BDL	
1,2,4-Trichlorobenzene	1			BDL	
Hexachlorobutadiene	1			BDL	
Naphthalene	1			BDL	
1,2,3-Trichlorobenzene	1			BDL	
Dibromofluoromethane (SR)	---		113	102	
Toluene-d8 (SR)	---		110	101	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998097	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 9/8/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Acenaphthene	5	45.0	46.0	BDL	
Acenaphthylene	0.3	45.0	49.0	BDL	
Anthracene	5	45.0	45.0	BDL	
Benzidine	5			BDL	
Benzo(a)anthracene	0.3	45.0	47.0	BDL	
Benzo(a)pyrene	0.3	45.0	45.0	BDL	
3,4-Benzofluoranthene	0.3	45.0	43.0	BDL	
Benzo(ghi)perylene	20			BDL	
Benzo(k)fluoranthene	0.3	45.0	40.0	BDL	
Bis(2-chloroethoxy)methane	5			BDL	
Bis(2-Chloroethyl)Ether	5			BDL	
Bis(2chloroisopropyl)ether	5			BDL	
Bis(2-ethylhexyl)phthalate	5			BDL	
4-Bromophenylphenyl ether	5			BDL	
Butylbenzyl phthalate	5			BDL	
2-Chloronaphthalene	5			BDL	
4-Chlorophenyl phenylether	5			BDL	
Chrysene	5	45.0	50.0	BDL	
Dibenzo(a,H)anthracene	20			BDL	
1,2-Dichlorobenzene	5			BDL	
1,3-Dichlorobenzene	5			BDL	
1,4-Dichlorobenzene	5			BDL	
3,3-Dichlorobenzidine	5			BDL	
Diethyl phthalate	5			BDL	
Dimethyl phthalate	5			BDL	
Di-n-butyl phthalate	5			BDL	
2,4-Dinitrotoluene	5			BDL	
2,6-Dinitrotoluene	5			BDL	
Di-n-octyl phthalate	5			BDL	
1,2-Diphenylhydrazine	5			BDL	
Fluoranthene	5	45.0	48.0	BDL	
Fluorene	5	45.0	46.0	BDL	
Hexachlorobenzene	.07			BDL	
Hexachlorobutadiene	5			BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998097	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 9/8/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Hexachlorocyclopentadiene	5			BDL	
Hexachloroethane	5			BDL	
Indeno(1,2,3-cd)pyrene	20			BDL	
Isophorone	5			BDL	
Naphthalene	5	45.0	46.0	BDL	
Nitrobenzene	5			BDL	
N-Nitrosodimethylamine	5			BDL	
N-Nitrosodi-n-propylamine	5			BDL	
N-Nitrosodiphenylamine	5			BDL	
Phenanthrene	.07	45.0	45.0	BDL	
Pyrene	5	45.0	49.0	BDL	
1,2,4-Trichlorobenzene	5			BDL	
2-Chlorophenol	20			BDL	
2,4-Dichlorophenol	20			BDL	
2,4-Dimethylphenol	20			BDL	
2-Methyl-46-dinitrophenol	20			BDL	
2,4-Dinitrophenol	20			BDL	
2-Nitrophenol	20			BDL	
4-Nitrophenol	20			BDL	
4-Chloro-3-methylphenol	20			BDL	
Pentachlorophenol	20			BDL	
Phenol	20			BDL	
2,4,6-Trichlorophenol	20			BDL	
Acenaphthene-d10 (SR)	---		101	75	
Phenanthrene-d10 (SR)	---		109	72	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

1 of 2

LAB TRACKING No. 998097

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojacki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN BOURASSA
Signature :

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES
1	MW-9	9/8/98	GW	~~GLASS~~ PLASTIC		1
2	MW-19	9/8/98	GW	GLASS		2 VOAS 1 AMBER
3	MW-19	9/8/98	GW	PLASTIC		1
4	MW-4	9/8/98	GW	GLASS		2 VOAS 2 AMBER
5	MW-4	9/8/98	GW	PLASTIC		1
6	MW-2	9/8/98	GW	GLASS		2 VOAS 1 AMBER
7	MW-2	9/8/98	GW	PLASTIC		1
8						

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
02 / 8020 SCAN									
015 SCAN									
8240 SCAN 8260		✓		✓		✓			
24 SCAN									
25 SCAN									
604 SCAN									
08 / 8080 FULL SCAN									
08 / 8080 PCB ONLY									
8260 SCAN									
8100 (PAH) SCAN									
OC									
TOX									
Pb % (PAINT CHIPS)									
WATER POTABILITY									
EDB SCAN									
COLIFORM BACTERIA									

Detection Limits < CTRSRS.

*Please filter metals 9/8/98

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1		✓		✓		✓			
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

	1	2	3	4	5	6	7	8
Copper	✓		✓		✓			
Cadmium	✓							
Zinc	✓		✓		✓		✓	
Arsenic			✓		✓			
~~Copper~~ Lead			✓		✓			
Nickel			✓		✓		✓	
Thallium			✓		✓			
Cyanide			✓		✓			
8270 (BNE)		✓		✓				

RELINQ BY: Deborah Wojacki	Date 9/8/98 Time 454	RELINQ BY:	Date Time
REC'D BY:	Date 9/8/98 Time 454	REC'D BY:	Date Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

LAB TRACKING No. 998097

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN EURACCA
Signature:

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES
1	MW-17	9/8/98	GLASS	GW		2 vials
2	MW-17	9/8/98	PLASTIC	GW		1
3	TRIP BLANK					
4						
5						
6						
7						
8						

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
TCLP METALS S/W									
TCLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
TCLP PEST/HERB - 8									
TCLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN									
8015 SCAN									
8240 SCAN	X								
624 SCAN									
625 SCAN									
604 SCAN									
608 / 8080 FULL SCAN									
608 / 8080 PCB ONLY									
8260 SCAN	✓								
8100 (PAH) SCAN									
TOC									
TOX									
Pb % (PAINT CHIPS)									
WATER POTABILITY									
EDB SCAN									
COLIFORM BACTERIA									

Detection Limits < CTRSRS 9/8/98
* Please filter metals

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓								
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

8270 BNE	✓								
Arsenic		✓							

RELINQ BY: Deborah K Wojcicki	Date 9/8/98 Time 454	RELINQ BY:	Date Time
REC'D BY:	Date 9/8/98 Time 454	REC'D BY:	Date Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

LAB TRACKING No. 998085

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : DEBBIE WOLCICKI
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN BOURASSA
Signature :

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES	
1	MW-9	9/4/98	GW	AMBER GLASS		1L	
2							
3							
4							
5							
6							
7							
8							

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
TOXICITY METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN									
8015 SCAN									
8240 SCAN									
8260 SCAN									
625 SCAN									
8604 SCAN									
8608 / 8080 FULL SCAN									
8608 / 8080 PCB ONLY									
8260 SCAN									
8100 (PAH) SCAN									
TOC									
TOX									
Pb % (PAINT CHIPS)									
WATER POTABILITY									
BOD SCAN									
COLIFORM BACTERIA									

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓								
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									
EXTRA PARAMETERS - PLEASE LIST SEPARATELY									
COPPER	✓								
CADMIUM	✓								
ZINC	✓								

DETECTION LIMITS < CT RSR's
PLEASE FILTER METALS 9/4/98
One Amber

RELINQ BY:	Date 9/4/98	RELINQ BY:	Date
	Time 5:00pm		Time
REC'D BY:	Date 9-4-98	REC'D BY:	Date
	Time 5:00		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

September 23, 1998

RECEIVED
SEP 28 1998
VANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Ms. Debbie Wojcicki

Please find attached laboratory report(s) for the samples submitted on : **September 9, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 998112
PO/JOB No.	: 40203
INVOICE No.	: 74323
ORDER No.	: 54687
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/9/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998112
Report Date: 9/23/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Dissolved Metals

Matrix Type	**W**	**W**	**W**	**W**
CTL Sample No.	**11246**	**11247**	**11248**	**11249**
Field Id.	**MW-6**	**MW-22**	**MW-7**	**MW-8**
Copper-mg/L	0.02	---	0.02	ND<0.01
Nickel-mg/L	---	ND<0.05	---	---
Zinc-mg/L	ND<0.05	ND<0.05	0.15	ND<0.05
Cadmium-mg/L	---	ND<0.005	ND<0.005	ND<0.005

EPA 418.1

Matrix Type	**W**	**W**	**W**	**W**
CTL Sample No.	**11246**	**11247**	**11248**	**11249**
Field Id.	**MW-6**	**MW-22**	**MW-7**	**MW-8**
Oil & Grease (TPH)-mg/L	27	ND<5	ND<5	ND<5

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998112	Date Analyzed :	9/18-9/21/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/9/98

Matrix Type :		W	W	W	W
Field ID :		**MW-6**	**MW-22**	**MW-7**	**MW-8**
	MDL				
Dichlorodifluoromethane	1	BDL	BDL	BDL	BDL
Chloromethane	1	BDL	BDL	BDL	BDL
Vinyl chloride	1	40.0	BDL	BDL	BDL
Chloroethane	1	BDL	BDL	BDL	BDL
Bromomethane	1	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	1	BDL	BDL	BDL	BDL
Methylene chloride	1	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	1	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1	BDL	BDL	BDL	BDL
2,2-Dichloropropane	1	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	1	BDL	BDL	BDL	BDL
Chloroform	1	BDL	BDL	BDL	BDL
Bromochloromethane	1	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	1	BDL	BDL	BDL	BDL
Carbon tetrachloride	1	BDL	BDL	BDL	BDL
Benzene	1	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1	BDL	BDL	BDL	BDL
Trichloroethylene	1	BDL	4.0	BDL	BDL
1,2-Dichloropropane	1	BDL	BDL	BDL	BDL
Bromodichloromethane	1	BDL	BDL	BDL	BDL
Dibromomethane	1	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
Toluene	1	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1	BDL	BDL	BDL	BDL
Tetrachloroethylene	1	BDL	BDL	BDL	BDL
1,3-Dichloropropane	1	BDL	BDL	BDL	BDL
Dibromochloromethane	1	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	1	BDL	BDL	BDL	BDL
Chlorobenzene	1	BDL	BDL	BDL	BDL
Ethylbenzene	1	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
p/m-Xylene	1	BDL	BDL	BDL	BDL
o-Xylene	1	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998112	Date Analyzed :	9/18-9/21/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/9/98

Matrix Type :		W	W	W	W
Field ID :		MW-6	MW-22	MW-7	MW-8
	MDL				
Styrene	1	BDL	BDL	BDL	BDL
Bromoform	1	BDL	BDL	BDL	BDL
Isopropylbenzene	1	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
Bromobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	1	BDL	BDL	BDL	BDL
n-Propylbenzene	1	BDL	BDL	BDL	BDL
2-Chlorotoluene	1	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	1	BDL	BDL	BDL	BDL
4-Chlorotoluene	1	BDL	BDL	BDL	BDL
tert-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	1	BDL	BDL	BDL	BDL
sec-Butylbenzene	1	BDL	BDL	BDL	BDL
p-Isopropyltoluene	1	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	1	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1	BDL	BDL	BDL	BDL
n-Butylbenzene	1	2.0	BDL	BDL	BDL
1,2-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2Dibromo-3-chloropropane	1	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Methyl ethyl ketone	10	BDL	BDL	BDL	BDL
Methyl butyl ketone	10	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	10	BDL	BDL	BDL	BDL
MTBE	1	BDL	2.0	BDL	BDL
Dibromofluoromethane (SR)	---	93	115	96	100
Toluene-d8 (SR)	---	93	113	55	100

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

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165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998112	Date Analyzed :	9/18-9/21/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/9/98

	MDL				
Matrix Type :		W	W		
Field ID :		MW-16	MW-18		
Dichlorodifluoromethane	1	BDL	BDL		
Chloromethane	1	BDL	BDL		
Vinyl chloride	1	BDL	BDL		
Chloroethane	1	BDL	BDL		
Bromomethane	1	BDL	BDL		
Trichlorofluoromethane	1	BDL	BDL		
1,1-Dichloroethylene	1	BDL	BDL		
Methylene chloride	1	BDL	BDL		
trans-1,2-Dichloroethylene	1	BDL	BDL		
1,1-Dichloroethane	1	BDL	BDL		
2,2-Dichloropropane	1	BDL	BDL		
cis-1,2-Dichloroethylene	1	BDL	BDL		
Chloroform	1	BDL	BDL		
Bromochloromethane	1	BDL	BDL		
1,1,1-Trichloroethane	1	BDL	BDL		
1,1-Dichloropropylene	1	BDL	BDL		
Carbon tetrachloride	1	BDL	BDL		
Benzene	1	BDL	BDL		
1,2-Dichloroethane	1	BDL	BDL		
Trichloroethylene	1	BDL	2.0		
1,2-Dichloropropane	1	BDL	BDL		
Bromodichloromethane	1	BDL	BDL		
Dibromomethane	1	BDL	BDL		
cis-1,3-Dichloropropylene	1	BDL	BDL		
Toluene	1	BDL	BDL		
t-1,3-Dichloropropylene	1	BDL	BDL		
1,1,2-Trichloroethane	1	BDL	BDL		
Tetrachloroethylene	1	BDL	BDL		
1,3-Dichloropropane	1	BDL	BDL		
Dibromochloromethane	1	BDL	BDL		
1,2-Dibromoethane (EDB)	1	BDL	BDL		
Chlorobenzene	1	BDL	BDL		
Ethylbenzene	1	BDL	BDL		
1,1,1,2-Tetrachloroethane	1	BDL	BDL		
p/m-Xylene	1	BDL	BDL		
o-Xylene	1	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998112	Date Analyzed :	9/18-9/21/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/9/98

	MDL				
Matrix Type :		W	W		
Field ID :		MW-16	MW-18		
Styrene	1	BDL	BDL		
Bromoform	1	BDL	BDL		
Isopropylbenzene	1	BDL	1.0		
1,1,2,2-Tetrachloroethane	1	BDL	BDL		
Bromobenzene	1	BDL	BDL		
1,2,3-Trichloropropane	1	BDL	BDL		
n-Propylbenzene	1	BDL	BDL		
2-Chlorotoluene	1	BDL	BDL		
1,3,5-Trimethylbenzene	1	BDL	BDL		
4-Chlorotoluene	1	BDL	BDL		
tert-Butylbenzene	1	BDL	BDL		
1,2,4-Trimethylbenzene	1	BDL	BDL		
sec-Butylbenzene	1	BDL	1.0		
p-Isopropyltoluene	1	BDL	BDL		
1,3-Dichlorobenzene	1	BDL	BDL		
1,2,3-Trimethylbenzene	1	BDL	BDL		
1,4-Dichlorobenzene	1	BDL	BDL		
n-Butylbenzene	1	BDL	BDL		
1,2-Dichlorobenzene	1	BDL	BDL		
1,2Dibromo-3-chloropropane	1	BDL	BDL		
1,2,4-Trichlorobenzene	1	BDL	BDL		
Hexachlorobutadiene	10	BDL	BDL		
Naphthalene	10	BDL	BDL		
1,2,3-Trichlorobenzene	1	BDL	BDL		
Methyl ethyl ketone	10	BDL	BDL		
Methyl butyl ketone	10	BDL	BDL		
Methyl isobutyl ketone	10	BDL	BDL		
MTBE	1	6.0	BDL		
Dibromofluoromethane (SR)	---	91	97		
Toluene-d8 (SR)	---	83	85		

SR = Surrogate Recovery Percent

MDL = Minimum Detectable Level/**BDL** = Below Detection Level/**UNITS** = PPB

Matrix Type : W = Water/Aqueous S = Soil/Solid O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998112	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

EPA METHOD 8270C Modified Date Samples Rec'd: 9/9/98

Matrix Type :		W				
CTL Sample No.		11247				
Field ID		MW-22				
	MDL					
Acenaphthene	5	BDL				
Acenaphthylene	0.3	BDL				
Anthracene	5	BDL				
Benzidine	5	BDL				
Benzo(a)anthracene	0.3	BDL				
Benzo(a)pyrene	0.3	BDL				
3,4-Benzofluoranthene	0.3	BDL				
Benzo(ghi)perylene	20	BDL				
Benzo(k)fluoranthene	0.3	BDL				
Bis(2-chloroethoxy)methane	5	BDL				
Bis(2-Chloroethyl)Ether	5	BDL				
Bis(2chloroisopropyl)ether	5	BDL				
Bis(2-ethylhexyl)phthalate	5	BDL				
4-Bromophenylphenyl ether	5	BDL				
Butylbenzyl phthalate	5	BDL				
2-Chloronaphthalene	5	BDL				
4-Chlorophenyl phenylether	5	BDL				
Chrysene	5	BDL				
Dibenzo(a,H)anthracene	20	BDL				
1,2-Dichlorobenzene	5	BDL				
1,3-Dichlorobenzene	5	BDL				
1,4-Dichlorobenzene	5	BDL				
3,3-Dichlorobenzidine	5	BDL				
Diethyl phthalate	5	BDL				
Dimethyl phthalate	5	BDL				
Di-n-butyl phthalate	5	BDL				
2,4-Dinitrotoluene	5	BDL				
2,6-Dinitrotoluene	5	BDL				
Di-n-octyl phthalate	5	BDL				
1,2-Diphenylhydrazine	5	BDL				
Fluoranthene	5	BDL				
Fluorene	5	BDL				
Hexachlorobenzene	.07	BDL				
Hexachlorobutadiene	5	BDL				

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998112	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

EPA METHOD 8270C Modified **Date Samples Rec'd: 9/9/98**

Matrix Type :		**W**			
CTL Sample No.		**11247**			
Field ID		**MW-22**			
	MDL				
Hexachlorocyclopentadiene	5	BDL			
Hexachloroethane	5	BDL			
Indeno(1,2,3-cd)pyrene	20	BDL			
Isophorone	5	BDL			
Naphthalene	5	BDL			
Nitrobenzene	5	BDL			
N-Nitrosodimethylamine	5	BDL			
N-Nitrosodi-n-propylamine	5	BDL			
N-Nitrosodiphenylamine	5	BDL			
Phenanthrene	.07	BDL			
Pyrene	5	BDL			
1,2,4-Trichlorobenzene	5	BDL			
2-Chlorophenol	20	BDL			
2,4-Dichlorophenol	20	BDL			
2,4-Dimethylphenol	20	BDL			
2-Methyl-46-dinitrophenol	20	BDL			
2,4-Dinitrophenol	20	BDL			
2-Nitrophenol	20-	BDL			
4-Nitrophenol	20	BDL			
4-Chloro-3-methylphenol	20	BDL			
Pentachlorophenol	20	BDL			
Phenol	20	BDL			
2,4,6-Trichlorophenol	20	BDL			
Acenaphthene-d10 (SR)	---	104			
Phenanthrene-d10 (SR)	---	91			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/9/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998112
Report Date: 9/23/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB TV	LSB Results	Method Blank	
Copper-mg/L	1.10	1.15	ND<0.01	
Nickel-mg/L	0.30	0.30	ND<0.05	
Zinc-mg/L	0.65	0.66	ND<0.05	
Cadmium-mg/L	0.075	0.069	ND<0.005	

EPA 418.1

	LSB TV	LSB Results	Method Blank	
Oil & Grease (TPH)-mg/L	50	46	ND<5	

Matrix Types : W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

Client	: VHB, Inc.		
Lab No.	: 998112	Date Analyzed :	9/18-9/21/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/9/98

	MDL	LSB TV	LSB Results	Method Blank	
Dichlorodifluoromethane	1			BDL	
Chloromethane	1			BDL	
Vinyl chloride	1			BDL	
Chloroethane	1			BDL	
Bromomethane	1			BDL	
Trichlorofluoromethane	1			BDL	
1,1-Dichloroethylene	1	20.0	17.0	BDL	
Methylene chloride	1			BDL	
trans-1,2-Dichloroethylene	1	20.0	19.0	BDL	
1,1-Dichloroethane	1	20.0	19.0	BDL	
2,2-Dichloropropane	1			BDL	
cis-1,2-Dichloroethylene	1	20.0	18.0	BDL	
Chloroform	1	20.0	20.0	BDL	
Bromochloromethane	1			BDL	
1,1,1-Trichloroethane	1	20.0	21.0	BDL	
1,1-Dichloropropylene	1			BDL	
Carbon tetrachloride	1	20.0	18.0	BDL	
Benzene	1	20.0	19.0	BDL	
1,2-Dichloroethane	1	20.0	18.0	BDL	
Trichloroethylene	1	20.0	18.0	BDL	
1,2-Dichloropropane	1			BDL	
Bromodichloromethane	1	20.0	19.0	BDL	
Dibromomethane	1			BDL	
cis-1,3-Dichloropropylene	1			BDL	
Toluene	1	20.0	18.0	BDL	
t-1,3-Dichloropropylene	1			BDL	
1,1,2-Trichloroethane	1			BDL	
Tetrachloroethylene	1	20.0	19.0	BDL	
1,3-Dichloropropane	1			BDL	
Dibromochloromethane	1			BDL	
1,2-Dibromoethane (EDB)	1			BDL	
Chlorobenzene	1	20.0	18.0	BDL	
Ethylbenzene	1	20.0	24.0	BDL	
1,1,1,2-Tetrachloroethane	1			BDL	
p/m-Xylene	1	20.0	20.0	BDL	
o-Xylene	1	20.0	23.0	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998112	Date Analyzed :	9/18-9/21/98
PO No.	: 40203		
Rep. Date	: 9/23/98	Analyst :	YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/9/98

	MDL	LSB TV	LSB Results	Method Blank	
Styrene	1			BDL	
Bromoform	1	20.0	17.0	BDL	
Isopropylbenzene	1			BDL	
1,1,2,2-Tetrachloroethane	1			BDL	
Bromobenzene	1			BDL	
1,2,3-Trichloropropane	1			BDL	
n-Propylbenzene	1			BDL	
2-Chlorotoluene	1			BDL	
1,3,5-Trimethylbenzene	1			BDL	
4-Chlorotoluene	1			BDL	
tert-Butylbenzene	1			BDL	
1,2,4-Trimethylbenzene	1			BDL	
sec-Butylbenzene	1			BDL	
p-Isopropyltoluene	1			BDL	
1,3-Dichlorobenzene	1	20.0	20.0	BDL	
1,2,3-Trimethylbenzene	1			BDL	
1,4-Dichlorobenzene	1	20.0	20.0	BDL	
n-Butylbenzene	1			BDL	
1,2-Dichlorobenzene	1	20.0	22.0	BDL	
1,2Dibromo-3-chloropropane	1			BDL	
1,2,4-Trichlorobenzene	1			BDL	
Hexachlorobutadiene	1			BDL	
Naphthalene	1			BDL	
1,2,3-Trichlorobenzene	1			BDL	
Dibromofluoromethane (SR)	---		102	96	
Toluene-d8 (SR)	---		102	79	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998112	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 9/9/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Acenaphthene	5	45.0	46.0	BDL	
Acenaphthylene	0.3	45.0	49.0	BDL	
Anthracene	5	45.0	45.0	BDL	
Benzidine	5			BDL	
Benzo(a)anthracene	0.3	45.0	47.0	BDL	
Benzo(a)pyrene	0.3	45.0	45.0	BDL	
3,4-Benzofluoranthene	0.3	45.0	43.0	BDL	
Benzo(ghi)perylene	20			BDL	
Benzo(k)fluoranthene	0.3	45.0	40.0	BDL	
Bis(2-chloroethoxy)methane	5			BDL	
Bis(2-Chloroethyl)Ether	5			BDL	
Bis(2chloroisopropyl)ether	5			BDL	
Bis(2-ethylhexyl)phthalate	5			BDL	
4-Bromophenylphenyl ether	5			BDL	
Butylbenzyl phthalate	5			BDL	
2-Chloronaphthalene	5			BDL	
4-Chlorophenyl phenylether	5			BDL	
Chrysene	5	45.0	50.0	BDL	
Dibenzo(a,H)anthracene	20			BDL	
1,2-Dichlorobenzene	5			BDL	
1,3-Dichlorobenzene	5			BDL	
1,4-Dichlorobenzene	5			BDL	
3,3-Dichlorobenzidine	5			BDL	
Diethyl phthalate	5			BDL	
Dimethyl phthalate	5			BDL	
Di-n-butyl phthalate	5			BDL	
2,4-Dinitrotoluene	5			BDL	
2,6-Dinitrotoluene	5			BDL	
Di-n-octyl phthalate	5			BDL	
1,2-Diphenylhydrazine	5			BDL	
Fluoranthene	5	45.0	48.0	BDL	
Fluorene	5	45.0	46.0	BDL	
Hexachlorobenzene	.07			BDL	
Hexachlorobutadiene	5			BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
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Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998112	Date Analyzed :	9/20/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/23/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified **Date Samples Rec'd:** 9/9/98

	MDL	LSB Conc.	LSB Results	Method Blank	
Hexachlorocyclopentadiene	5			BDL	
Hexachloroethane	5			BDL	
Indeno(1,2,3-cd)pyrene	20			BDL	
Isophorone	5			BDL	
Naphthalene	5	45.0	46.0	BDL	
Nitrobenzene	5			BDL	
N-Nitrosodimethylamine	5			BDL	
N-Nitrosodi-n-propylamine	5			BDL	
N-Nitrosodiphenylamine	5			BDL	
Phenanthrene	.07	45.0	45.0	BDL	
Pyrene	5	45.0	49.0	BDL	
1,2,4-Trichlorobenzene	5			BDL	
2-Chlorophenol	20			BDL	
2,4-Dichlorophenol	20			BDL	
2,4-Dimethylphenol	20			BDL	
2-Methyl-46-dinitrophenol	20			BDL	
2,4-Dinitrophenol	20			BDL	
2-Nitrophenol	20-			BDL	
4-Nitrophenol	20			BDL	
4-Chloro-3-methylphenol	20			BDL	
Pentachlorophenol	20			BDL	
Phenol	20			BDL	
2,4,6-Trichlorophenol	20			BDL	
Acenaphthene-d10 (SR)	---		101	75	
Phenanthrene-d10 (SR)	---		109	72	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No. 998112

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEVE BOVEASE
Signature :

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES
1	MW-6	9/9/98	GW	GLASS		2 VOAS 1 AMBER L
2	MW-6	9/9/98	GW	PLASTIC		1
3	MW-22	9/9/98	GW	GLASS		2 VOAS 1 AMBER L
4	MW-22	9/9/98	GW	PLASTIC		1
5	MW-7	9/8/98	GW	GLASS		2 VOAS
6	MW-7	9/9/98	GW	GLASS		1 Amber L
7	MW-8	9/8/98	GW	GLASS		2 VOAS 1 AMBER L
8	MW-8	9/8/98	GW	PLASTIC		1

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
ETALS, TOTAL WTR-8									
ETALS, TOTAL SOIL-8									
EPTOX METALS S/W									
CLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
CLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
2 / 8020 SCAN									
15 SCAN									
8240 SCAN	✓		✓		✓		✓		
624 SCAN									
5 SCAN									
604 SCAN									
608 / 8080 FULL SCAN									
8 / 8080 PCB ONLY									
260 SCAN									
8100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
B SCAN									
COLIFORM BACTERIA									

Please filter metals 9/9/98

Detection limits < CTRSRS

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓		✓			✓	✓		
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

	1	2	3	4	5	6	7	8
Copper*		✓						✓
zinc*		✓		✓				✓
nickel*				✓				
8270 (BNE)			✓					
cadmium*				✓				✓

RELINQ BY: Deborah Wojcicki	Date 9/9/98	RELINQ BY:	Date
	Time 3:30 PM		Time
REC'D BY: Maureen McMahon	Date 9/9/98	REC'D BY:	Date
	Time 3:30		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

October 2, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Ms. Debbie Wojcicki

Please find attached laboratory report(s) for the samples submitted on : **September 4, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	:	998085
PO/JOB No.	:	40203
INVOICE No.	:	74470
ORDER No.	:	54835
CUSTOMER No.	:	957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

RECEIVED
OCT - 6 1998
ANASSE HANGEN BRUSTLIN

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/4/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998085
Report Date: 9-18-98	PO/Job No. 40203

RESULTS OF ANALYSIS

Dissolved Metals

Matrix Type	**W**	**W**	**W**	
CTL Sample No.	**11205**	**11206**	**11207**	
Field Id.	**MW-10**	**MW-11**	**MW-12**	
Copper-mg/L	ND<0.01	0.04	ND<0.01	
Cadmium-mg/L	ND<0.005	ND<0.005	ND<0.005	
Zinc-mg/L	ND<0.05	0.34	0.06	

EPA 418.1

Matrix Type	**W**	**W**	**W**	**W**
CTL Sample No.	**11205**	**11206**	**11207**	**11208**
Field Id.	**MW-10**	**MW-11**	**MW-12**	**MW-9**
Oil & Grease (TPH)-mg/L	ND<0.5	ND<0.5	ND<0.5	8.0

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

September 22, 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Mr. Mike Libertine

RECEIVED
SEP 25 1998
VANASSE HANGEN BRUSTLIN

Please find attached laboratory report(s) for the samples submitted on : **September 4, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 998085
PO/JOB No.	: 40203
INVOICE No.	: 74300
ORDER No.	: 54664
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/4/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998085
Report Date: 9-18-98	PO/Job No. 40203

RESULTS OF ANALYSIS

Dissolved Metals

Matrix Type	**W**	**W**	**W**	
CTL Sample No.	**11205**	**11206**	**11207**	
Field Id.	**MW-10**	**MW-11**	**MW-12**	
Copper-mg/L	ND<0.01	0.04	ND<0.01	
Cadmium-mg/L	ND<0.005	ND<0.005	ND<0.005	
Zinc-mg/L	ND<0.05	0.34	0.06	

EPA 418.1

Matrix Type	**W**	**W**	**W**	
CTL Sample No.	**11205**	**11206**	**11207**	
Field Id.	**MW-10**	**MW-11**	**MW-12**	
Oil & Grease (TPH)-mg/L	ND<0.5	ND<0.5	ND<0.5	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998085	Date Analyzed	: 9-17-98
PO No.	: 40203		
Rep. Date	: 9-18-98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/4/98

Matrix Type :		W	W	W	W
Field ID :	MDL	MW-10	MW-11	MW-12	MW-9
Dichlorodifluoromethane	1	BDL	BDL	BDL	BDL
Chloromethane	1	BDL	BDL	BDL	BDL
Vinyl chloride	1	BDL	BDL	BDL	BDL
Chloroethane	1	BDL	BDL	BDL	BDL
Bromomethane	1	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	1	BDL	BDL	BDL	BDL
Methylene chloride	1	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	1	BDL	BDL	BDL	BDL
1,1-Dichloroethane	1	BDL	BDL	BDL	BDL
2,2-Dichloropropane	1	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	1	BDL	BDL	BDL	BDL
Chloroform	1	BDL	BDL	2.0	BDL
Bromochloromethane	1	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	1	BDL	BDL	BDL	BDL
Carbon tetrachloride	1	BDL	BDL	BDL	BDL
Benzene	1	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1	BDL	BDL	BDL	BDL
Trichloroethylene	1	BDL	BDL	1.0	BDL
1,2-Dichloropropane	1	BDL	BDL	BDL	BDL
Bromodichloromethane	1	BDL	BDL	BDL	BDL
Dibromomethane	1	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
Toluene	1	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1	BDL	BDL	BDL	BDL
Tetrachloroethylene	1	BDL	BDL	BDL	BDL
1,3-Dichloropropane	1	BDL	BDL	BDL	BDL
Dibromochloromethane	1	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	1	BDL	BDL	BDL	BDL
Chlorobenzene	1	BDL	BDL	BDL	BDL
Ethylbenzene	1	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
p/m-Xylene	1	BDL	BDL	BDL	BDL
o-Xylene	1	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998085	Date Analyzed	: 9-17-98
PO No.	: 40203		
Rep. Date	: 9-18-98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/4/98

Matrix Type :		W	W	W	W
Field ID :	MDL	MW-10	MW-11	MW-12	MW-9
Styrene	1	BDL	BDL	BDL	BDL
Bromoform	1	BDL	BDL	BDL	BDL
Isopropylbenzene	1	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
Bromobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	1	BDL	BDL	BDL	BDL
n-Propylbenzene	1	BDL	BDL	BDL	BDL
2-Chlorotoluene	1	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	1	BDL	BDL	BDL	BDL
4-Chlorotoluene	1	BDL	BDL	BDL	BDL
tert-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	1	BDL	BDL	BDL	BDL
sec-Butylbenzene	1	BDL	BDL	BDL	BDL
p-Isopropyltoluene	1	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	1	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1	BDL	BDL	BDL	BDL
n-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2Dibromo-3-chloropropane	1	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Methyl ethyl ketone	10	BDL	BDL	BDL	BDL
Methyl butyl ketone	10	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	10	BDL	BDL	BDL	BDL
Dibromofluoromethane (SR)	---	98	109	99	97
Toluene-d8 (SR)	---	102	114	97	83

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998085	Date Analyzed	: 9-17-98
PO No.	: 40203		
Rep. Date	: 9-18-98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/4/98

Matrix Type : W

Field ID :

	MDL	Trip Blank			
Dichlorodifluoromethane	1	BDL			
Chloromethane	1	BDL			
Vinyl chloride	1	BDL			
Chloroethane	1	BDL			
Bromomethane	1	BDL			
Trichlorofluoromethane	1	BDL			
1,1-Dichloroethylene	1	BDL			
Methylene chloride	1	BDL			
trans-1,2-Dichloroethylene	1	BDL			
1,1-Dichloroethane	1	BDL			
2,2-Dichloropropane	1	BDL			
cis-1,2-Dichloroethylene	1	BDL			
Chloroform	1	BDL			
Bromochloromethane	1	BDL			
1,1,1-Trichloroethane	1	BDL			
1,1-Dichloropropylene	1	BDL			
Carbon tetrachloride	1	BDL			
Benzene	1	BDL			
1,2-Dichloroethane	1	BDL			
Trichloroethylene	1	BDL			
1,2-Dichloropropane	1	BDL			
Bromodichloromethane	1	BDL			
Dibromomethane	1	BDL			
cis-1,3-Dichloropropylene	1	BDL			
Toluene	1	BDL			
t-1,3-Dichloropropylene	1	BDL			
1,1,2-Trichloroethane	1	BDL			
Tetrachloroethylene	1	BDL			
1,3-Dichloropropane	1	BDL			
Dibromochloromethane	1	BDL			
1,2-Dibromoethane (EDB)	1	BDL			
Chlorobenzene	1	BDL			
Ethylbenzene	1	BDL			
1,1,1,2-Tetrachloroethane	1	BDL			
p/m-Xylene	1	BDL			
o-Xylene	1	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998085	Date Analyzed	: 9-17-98
PO No.	: 40203		
Rep. Date	: 9-18-98	Analyst	: YK

EPA METHOD 8260B GC/MS **Date Samples Rec'd:** 9/4/98

Matrix Type : W

Field ID :

	MDL	Trip Blank			
Styrene	1	BDL			
Bromoform	1	BDL			
Isopropylbenzene	1	BDL			
1,1,2,2-Tetrachloroethane	1	BDL			
Bromobenzene	1	BDL			
1,2,3-Trichloropropane	1	BDL			
n-Propylbenzene	1	BDL			
2-Chlorotoluene	1	BDL			
1,3,5-Trimethylbenzene	1	BDL			
4-Chlorotoluene	1	BDL			
tert-Butylbenzene	1	BDL			
1,2,4-Trimethylbenzene	1	BDL			
sec-Butylbenzene	1	BDL			
p-Isopropyltoluene	1	BDL			
1,3-Dichlorobenzene	1	BDL			
1,2,3-Trimethylbenzene	1	BDL			
1,4-Dichlorobenzene	1	BDL			
n-Butylbenzene	1	BDL			
1,2-Dichlorobenzene	1	BDL			
1,2Dibromo-3-chloropropane	1	BDL			
1,2,4-Trichlorobenzene	1	BDL			
Hexachlorobutadiene	10	BDL			
Naphthalene	10	BDL			
1,2,3-Trichlorobenzene	1	BDL			
Methyl ethyl ketone	10	BDL			
Methyl butyl ketone	10	BDL			
Methyl isobutyl ketone	10	BDL			
Dibromofluoromethane (SR)	---	100			
Toluene-d8 (SR)	---	99			

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/2/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998085
Report Date: 9-18-98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Results	Method Blank	
Copper-mg/L	1.10	1.06	ND<0.01	
Cadmium-mg/L	0.075	0.065	ND<0.005	
Zinc-mg/L	0.65	0.64	ND<0.05	
Oil & Grease (TPH)-mg/L	5.0	4.6	ND<0.5	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998085	Date Analyzed	: 9-17-98
PO No.	: 40203		
Rep. Date	: 9-18-98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/4/98

	MDL	LSB TV	LSB Results	Method Blank	
Dichlorodifluoromethane	1			BDL	
Chloromethane	1			BDL	
Vinyl chloride	1			BDL	
Chloroethane	1			BDL	
Bromomethane	1			BDL	
Trichlorofluoromethane	1			BDL	
1,1-Dichloroethylene	1	20.0	19.0	BDL	
Methylene chloride	1			BDL	
trans-1,2-Dichloroethylene	1	20.0	23.0	BDL	
1,1-Dichloroethane	1	20.0	21.0	BDL	
2,2-Dichloropropane	1			BDL	
cis-1,2-Dichloroethylene	1	20.0	19.0	BDL	
Chloroform	1	20.0	19.0	BDL	
Bromochloromethane	1			BDL	
1,1,1-Trichloroethane	1	20.0	21.0	BDL	
1,1-Dichloropropylene	1			BDL	
Carbon tetrachloride	1	20.0	19.0	BDL	
Benzene	1	20.0	20.0	BDL	
1,2-Dichloroethane	1	20.0	18.0	BDL	
Trichloroethylene	1		20.0	BDL	
1,2-Dichloropropane	1			BDL	
Bromodichloromethane	1	20.0	17.0	BDL	
Dibromomethane	1			BDL	
cis-1,3-Dichloropropylene	1			BDL	
Toluene	1	20.0	20.0	BDL	
t-1,3-Dichloropropylene	1			BDL	
1,1,2-Trichloroethane	1			BDL	
Tetrachloroethylene	1	20.0	20.0	BDL	
1,3-Dichloropropane	1			BDL	
Dibromochloromethane	1			BDL	
1,2-Dibromoethane (EDB)	1			BDL	
Chlorobenzene	1	20.0	20.0	BDL	
Ethylbenzene	1	20.0	29.0	BDL	
1,1,1,2-Tetrachloroethane	1			BDL	
p/m-Xylene	1	20.0	20.0	BDL	
o-Xylene	1	20.0	23.0	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998085	Date Analyzed	: 9-17-98
PO No.	: 40203		
Rep. Date	: 9-18-98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/3/98

	MDL	LSB TV	LSB Results	Method Blank	
Styrene	1			BDL	
Bromoform	1			BDL	
Isopropylbenzene	1			BDL	
1,1,2,2-Tetrachloroethane	1	20.0	18.0	BDL	
Bromobenzene	1			BDL	
1,2,3-Trichloropropane	1			BDL	
n-Propylbenzene	1			BDL	
2-Chlorotoluene	1			BDL	
1,3,5-Trimethylbenzene	1			BDL	
4-Chlorotoluene	1			BDL	
tert-Butylbenzene	1			BDL	
1,2,4-Trimethylbenzene	1			BDL	
sec-Butylbenzene	1			BDL	
p-Isopropyltoluene	1			BDL	
1,3-Dichlorobenzene	1			BDL	
1,2,3-Trimethylbenzene	1			BDL	
1,4-Dichlorobenzene	1			BDL	
n-Butylbenzene	1			BDL	
1,2-Dichlorobenzene	1			BDL	
1,2Dibromo-3-chloropropane	1			BDL	
1,2,4-Trichlorobenzene	1			BDL	
Hexachlorobutadiene	1			BDL	
Naphthalene	1			BDL	
1,2,3-Trichlorobenzene	1			BDL	
Dibromofluoromethane (SR)	---		113	102	
Toluene-d8 (SR)	---		110	101	

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous S= Soil/Solid O=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No. 998085

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : Debbie Wojcicki
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) Deborah K Wojcicki
Signature : Deborah K Wojcicki

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	SAMPLE MATRIX	BOTTLE TYPE	PRESERV. USED	SAMPLE VOLUMES
1	MW-10	9/4/98	GW	GLASS		2 VOA 1 AMBER
2	MW-10	9/4/98	GW	PLASTIC		1
3	MW-11	9/4/98	GW	GLASS		2 VOA 1 AMBER
4	MW-11	9/4/98	GW	PLASTIC		1
5	MW-12	9/4/98	GW	GLASS		2 VOAS 1 AMBER
6	MW-12	9/4/98	GW	PLASTIC		1
7	MW-9	9/4/98	GW	GLASS		2 VOAS
8	TRIP BLANKS					

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS, TOTAL WTR-8									
METALS, TOTAL SOIL-8									
EPTOX METALS S/W									
TCLP METALS S/W									
CLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
TCLP PEST/HERB - 8									
CLP COMPLETE - 40									
601 / 8010 SCAN									
602 / 8020 SCAN									
015 SCAN									
8240 SCAN	✓		✓		✓		✓	✓	Please filter metals 9/4/98
624 SCAN									
25 SCAN									
04 SCAN									
608 / 8080 FULL SCAN									
08 / 8080 PCB ONLY									
260 SCAN									
8100 (PAH) SCAN									
OC									
OX									
Pb % (PAINT CHIPS)									
ATER POTABILITY									
DB SCAN									
COLIFORM BACTERIA									

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	✓		✓		✓				
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									

EXTRA PARAMETERS - PLEASE LIST SEPARATELY

Copper *		✓		✓		✓		
Cadmium *		✓		✓		✓		
Zinc *		✓		✓		✓		

Detection limits < CT RSRs

RELINQ BY:	Date 9/4/98	RELINQ BY:	Date
	Time 5:00 Pm		Time
REC'D BY:	Date 9-4-98	REC'D BY:	Date
	Time 5:00		Time

ease fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s).

IATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N = NONE

ORIGINAL

September 18, 1998

SEP 24 1998

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Ms. Debbie Wojcicki

Please find attached laboratory report(s) for the samples submitted on : **September 2, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 998034
PO/JOB No.	: 40203
INVOICE No.	: 74242
ORDER No.	: 54606
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/2/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998034
Report Date: 9/17/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Dissolved Metals

Matrix Type	W	W	W	
CTL Sample No.	10984	10986	10987	
Field Id.	MW-5R	MW-13	MW-20	
Copper-mg/L	ND<0.01	ND<0.01	---	
Cadmium-mg/L	ND<0.005	---	ND<0.005	
Zinc-mg/L	0.25	0.08	0.09	
Nickel-mg/L	---	---	ND<0.05	

EPA 418.1

Matrix Type	W	W	W	
CTL Sample No.	10984	10985	10986	
Field Id.	MW-5R	MW-15	MW-13	
Oil & Grease (TPH)-mg/L	ND<0.5	ND<0.5	ND<0.5	

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

Client	: VHB, Inc.		
Lab No.	: 998034	Date Analyzed	: 9/15/98
PO No.	: 40203		
Rep. Date	: 9/17/98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/2/98

Matrix Type :		W	W	W	W
Field ID :	MDL	MW-5R	MW-15	MW-13	MW-20
Dichlorodifluoromethane	1	BDL	BDL	BDL	BDL
Chloromethane	1	BDL	BDL	BDL	BDL
Vinyl chloride	1	BDL	BDL	BDL	BDL
Chloroethane	1	31.0	BDL	BDL	BDL
Bromomethane	1	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	1	BDL	1.0	BDL	BDL
Methylene chloride	1	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	1	1.0	BDL	BDL	BDL
1,1-Dichloroethane	1	BDL	BDL	BDL	BDL
2,2-Dichloropropane	1	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	1	2.0	24.0	BDL	2.0
Chloroform	1	BDL	BDL	BDL	BDL
Bromochloromethane	1	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	1	BDL	BDL	BDL	BDL
Carbon tetrachloride	1	BDL	BDL	BDL	BDL
Benzene	1	BDL	BDL	BDL	BDL
1,2-Dichloroethane	1	BDL	BDL	BDL	BDL
Trichloroethylene	1	29.0	97.0	BDL	BDL
1,2-Dichloropropane	1	BDL	BDL	BDL	BDL
Bromodichloromethane	1	BDL	BDL	BDL	BDL
Dibromomethane	1	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
Toluene	1	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1	BDL	BDL	BDL	BDL
Tetrachloroethylene	1	BDL	BDL	BDL	BDL
1,3-Dichloropropane	1	BDL	BDL	BDL	BDL
Dibromochloromethane	1	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	1	BDL	BDL	BDL	BDL
Chlorobenzene	1	3.0	BDL	BDL	BDL
Ethylbenzene	1	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
p/m-Xylene	1	BDL	BDL	BDL	BDL
o-Xylene	1	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous S= Soil/Solid O=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998034	Date Analyzed	: 9/15/98
PO No.	: 40203		
Rep. Date	: 9/17/98	Analyst	: YK

EPA METHOD 8260B GC/MS Date Samples Rec'd: 9/2/98

Matrix Type :		W	W	W	W
Field ID :		MW-5R	MW-15	MW-13	MW-20
	MDL				
Styrene	1	BDL	BDL	BDL	BDL
Bromoform	1	BDL	BDL	BDL	BDL
Isopropylbenzene	1	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
Bromobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	1	BDL	BDL	BDL	BDL
n-Propylbenzene	1	BDL	BDL	BDL	BDL
2-Chlorotoluene	1	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	1	BDL	BDL	BDL	BDL
4-Chlorotoluene	1	BDL	BDL	BDL	BDL
tert-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	1	BDL	BDL	BDL	BDL
sec-Butylbenzene	1	BDL	BDL	BDL	BDL
p-Isopropyltoluene	1	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	1	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1	BDL	BDL	BDL	BDL
n-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2Dibromo-3-chloropropane	1	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Methyl ethyl ketone	10	BDL	BDL	BDL	BDL
Methyl butyl ketone	10	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	10	BDL	BDL	BDL	BDL
MTBE	1	BDL	138.0	BDL	88.0
Dibromofluoromethane (SR)	---	95	91	89	91
Toluene-d8 (SR)	---	84	74	78	79

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/2/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998034
Report Date: 9/17/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Results	Method Blank	
Copper-mg/L	1.10	1.11	ND<0.01	
Cadmium-mg/L	0.075	0.064	ND<0.005	
Zinc-mg/L	0.65	0.64	ND<0.05	
Nickel-mg/L	0.30	0.30	ND<0.05	
Oil & Grease (TPH)-mg/L	5.0	4.6	ND<0.5	

LSB = Laboratory Spiked Blank

Client	: VHB, Inc.		
Lab No.	: 998034	Date Analyzed	: 9/15/98
PO No.	: 40203		
Rep. Date	: 9/17/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/2/98

	MDL	LSB TV	LSB Results	Method Blank	
Dichlorodifluoromethane	1			BDL	
Chloromethane	1			BDL	
Vinyl chloride	1			BDL	
Chloroethane	1			BDL	
Bromomethane	1			BDL	
Trichlorofluoromethane	1			BDL	
1,1-Dichloroethylene	1	20.0	17.0	BDL	
Methylene chloride	1			BDL	
trans-1,2-Dichloroethylene	1	20.0	20.0	BDL	
1,1-Dichloroethane	1	20.0	19.0	BDL	
2,2-Dichloropropane	1			BDL	
cis-1,2-Dichloroethylene	1	20.0	17.0	BDL	
Chloroform	1	20.0	19.0	BDL	
Bromochloromethane	1			BDL	
1,1,1-Trichloroethane	1	20.0	22.0	BDL	
1,1-Dichloropropylene	1			BDL	
Carbon tetrachloride	1	20.0	19.0	BDL	
Benzene	1	20.0	19.0	BDL	
1,2-Dichloroethane	1	20.0	18.0	BDL	
Trichloroethylene	1	20.0	18.0	BDL	
1,2-Dichloropropane	1			BDL	
Bromodichloromethane	1	20.0	17.0	BDL	
Dibromomethane	1			BDL	
cis-1,3-Dichloropropylene	1			BDL	
Toluene	1	20.0	17.0	BDL	
t-1,3-Dichloropropylene	1			BDL	
1,1,2-Trichloroethane	1			BDL	
Tetrachloroethylene	1	20.0	18.0	BDL	
1,3-Dichloropropane	1			BDL	
Dibromochloromethane	1			BDL	
1,2-Dibromoethane (EDB)	1			BDL	
Chlorobenzene	1	20.0	19.0	BDL	
Ethylbenzene	1	20.0	24.0	BDL	
1,1,1,2-Tetrachloroethane	1			BDL	
p/m-Xylene	1	20.0	25.0	BDL	
o-Xylene	1	20.0	24.0	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998034	Date Analyzed	: 9/15/98
PO No.	: 40203		
Rep. Date	: 9/17/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/2/98

	MDL	LSB TV	LSB Results	Method Blank	
Styrene	1			BDL	
Bromoform	1	20.0	20.0	BDL	
Isopropylbenzene	1			BDL	
1,1,2,2-Tetrachloroethane	1	20.0	19.0	BDL	
Bromobenzene	1			BDL	
1,2,3-Trichloropropane	1			BDL	
n-Propylbenzene	1			BDL	
2-Chlorotoluene	1			BDL	
1,3,5-Trimethylbenzene	1			BDL	
4-Chlorotoluene	1			BDL	
tert-Butylbenzene	1			BDL	
1,2,4-Trimethylbenzene	1			BDL	
sec-Butylbenzene	1			BDL	
p-Isopropyltoluene	1			BDL	
1,3-Dichlorobenzene	1			BDL	
1,2,3-Trimethylbenzene	1			BDL	
1,4-Dichlorobenzene	1			BDL	
n-Butylbenzene	1			BDL	
1,2-Dichlorobenzene	1			BDL	
1,2Dibromo-3-chloropropane	1			BDL	
1,2,4-Trichlorobenzene	1			BDL	
Hexachlorobutadiene	1			BDL	
Naphthalene	1			BDL	
1,2,3-Trichlorobenzene	1			BDL	
Methyl ethyl ketone	10			BDL	
Methyl butyl ketone	10			BDL	
Methyl isobutyl ketone	10			BDL	
MTBE	1			BDL	
Dibromofluoromethane (SR)	---		93	83	
Toluene-d8 (SR)	---		89	78	

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

September 23, 1998

RECEIVED
SEP 2 3 1998
VANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Ms. Debbie Wojcicki

Please find attached laboratory report(s) for the samples submitted on : **September 10, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

```
LAB No.      : 998119
PO/JOB No.   : 40203
INVOICE No.  : 74322
ORDER No.    : 54686
CUSTOMER No.: 957
```

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/10/98

Client Name: VHB, Inc.	CTL Lab. No. 998119
Report Date: 9/23/98	PO/Job No. 40203

RESULTS OF ANALYSIS

Dissolved Metals

Matrix Type	**W**	**W**		
CTL Sample No.	**11271**	**11272**		
Field Id.	**MW-16**	**MW-18**		
Zinc-mg/L	---	0.15		
Copper-mg/L	---	ND<0.01		
Arsenic-mg/L	ND<0.004	---		

EPA 418.1

Matrix Type	**W**	**W**		
CTL Sample No.	**11271**	**11272**		
Field Id.	**MW-16**	**MW-18**		
Oil & Grease (TPH)-mg/L	ND<5	17		

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/10/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998119
Report Date: 9/23/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB TV	LSB Results	Method Blank	
Zinc-mg/L	0.65	0.66	ND<0.05	
Copper-mg/L	1.10	1.15	ND<0.01	
Arsenic-mg/L	0.085	0.095	ND<0.004	

EPA 418.1

	LSB TV	LSB Results	Method Blank	
Oil & Grease (TPH)-mg/L	50	46	ND<5	

Matrix Types : W = Water/Aqueous **S** = Soil/Solid **O** = Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

LAB TRACKING No. 998119

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451
Tel # 203-634-3731 Fax # 203-630-1336

Client Name : VHB
Send Report To : DEBBIE WOJCICKI
Send Bill To : VHB PO#: 40203

Samples Collected By (Print) STEPHEN BOURASSA
Signature:

☐ FIVE WORKING DAYS ☐ 48 HOURS
☐ PRIORITY 2-4 Day ☐ OTHER_____
☒ TEN WORKING DAYS

LAB USE ONLY ...

#	Field Identifications (PLEASE PRINT NEATLY)	DATE SAMPLED	TIME SAMPLED	MATRIX W - S - O	PRESERV. & BOTTLE TYPE USED	SAMPLE VOLUMES COLLECTED
1	MW 16	9/9/98	8:30AM		AMBER GLASS	1 LITER
2	MW 18	9/9/98	3:00 PM		AMBER GLASS	1 LITER
3	MW 18	9/9/98	4:35 PM		PLASTIC	1
4	MW 16	9/10/98	8:00AM		PLASTIC	1
5						
6						
7						
8						

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
METALS, DISS. WTR-8									
METALS , TOTAL WTR-8									
METALS, TOTAL SOIL-8									
Mass Analysis - Soils									
TCLP METALS S / W									
TCLP VOLATILES - 11									
TCLP SEMI VOL. - 13									
TCLP PEST/HERB - 8									
TCLP COMPLETE - 40									
8021B (601 Only)									
8021B (602 Only)									
8021B (Complete)									
8016B SCAN									
8270C Phenols Only									
8270C B/Neut. Only									
8270C (Modified BNA)									
8081A Pest. Only									
8081A PCB Only									
8081A Complete									
8260 GC/MS									
8100 (PAH GC/MS)									
TOC									
Pb % (PAINT CHIPS)									
WATER POTABILITY									
EDB SCAN									
COLIFORM BACTERIA									

ANALYSIS...	1	2	3	4	5	6	7	8	NOTES
pH / SPEC COND.									
COPPER / NICKEL									
TSS / TDS									
NITRATE-N / NITRITE-N									
CN - TOT. / CN - AMEN.									
BOD (5) (20) / COD									
AMMONIA - N / TKN									
TPH - EPA 418.1	X	X							
OIL & GR. EPA 413.2									
FILTER SAMPLES									
PRESERVE SAMPLES									
EXTRA PARAMETERS - PLEASE LIST SEPARATELY									
ZINC			X						
COPPER			X						
ARSENIC				X					

* PLEASE FILTER METALS 9/10/98
PLEASE USE 8240 ANALYTE LIST FOR 8260
DETECTION LIMITS < CTRSRS

RELINQ BY:	Date 9-10-98	RELINQ BY:	Date
	Time 9:47		Time
REC'D BY:	Date 9/10/98	REC'D BY:	Date
	Time 9:47		Time

Please fill in the Field ID's exactly as they appear on the bottle labels. All used samples are kept refrigerated for 45 days from Date Received unless otherwise instructed. The number after the analyte refers to the number of tests associated with that parameter. Where there are more than one item per line, please circle the desired test(s). CTL will not be held liable for incomplete or in correctly filled out Chain of Custody forms. This form is protected by Copyright Laws and is not to be reproduced without permission. © 1998 Connecticut Testing Laboratories, Inc. All rights reserved

MATRICES W = WATER S = SOIL O = OIL / HYDROCARBON PRESERVATIONS A = ACID B = BASE C = COOL N =

ORIGINAL

September 18, 1998

RECEIVED
SEP 23 1998
VANASSE HANGEN BRUSTLIN

VHB, Inc.
54 Tuttle Place
Middletown, CT 06457

Attn: Ms. Debbie Wojcicki

Please find attached laboratory report(s) for the samples submitted on : **September 5, 1998**

All pertinent information for this analysis is located on the report. Should it be necessary to contact us regarding billing and or the test results, please have the following information readily available :

LAB No.	: 998062
PO/JOB No.	: 40203
INVOICE No.	: 74263
ORDER No.	: 54627
CUSTOMER No.	: 957

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director
PH-0547

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06451

Date Samples Received : 9/3/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998062
Report Date: 9/18/98	PO/Job No. 40203

RESULTS OF ANALYSIS

EPA 418.1

Matrix Type	**W**	**W**	**W**		
CTL Sample No.	**11093**	**11094**	**11095**		
Field Id.	**MW-20**	**MW-14**	**MW-21**		
Oil & Grease (TPH)-mg/L	11	2.5	ND<0.5		

Dissolved Metals

Matrix Type	**W**				
CTL Sample No.	**11096**				
Field Id.	**MW-3**				
Nickel-mg/L	ND<0.05				
Zinc-mg/L	0.91				
Copper-mg/L	ND<0.01				

Matrix Types : W = Water/Aqueous
S = Soil/Solid
O = Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998062	Date Analyzed	: 9/16-9/17/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

EPA METHOD 8260B GC/MS **Date Samples Rec'd:** 9/3/98

Matrix Type :		W	W	W	W
Field ID :	MDL	MW-14	MW-21	MW-3	Trip Blank
Dichlorodifluoromethane	1	BDL	BDL	BDL	BDL
Chloromethane	1	BDL	204.0	BDL	BDL
Vinyl chloride	1	BDL	17.0	BDL	BDL
Chloroethane	1	BDL	BDL	BDL	BDL
Bromomethane	1	BDL	BDL	BDL	BDL
Trichlorofluoromethane	1	BDL	BDL	BDL	BDL
1,1-Dichloroethylene	1	BDL	39.0	BDL	BDL
Methylene chloride	1	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	1	BDL	4.0	BDL	BDL
1,1-Dichloroethane	1	BDL	BDL	BDL	BDL
2,2-Dichloropropane	1	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	1	14.0	386.0	BDL	BDL
Chloroform	1	BDL	BDL	BDL	BDL
Bromochloromethane	1	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	1	BDL	BDL	BDL	BDL
1,1-Dichloropropylene	1	BDL	BDL	BDL	BDL
Carbon tetrachloride	1	BDL	BDL	BDL	BDL
Benzene	1	4.0	BDL	BDL	BDL
1,2-Dichloroethane	1	BDL	BDL	BDL	BDL
Trichloroethylene	1	97.0	1,079.0	BDL	2.0
1,2-Dichloropropane	1	BDL	BDL	BDL	BDL
Bromodichloromethane	1	BDL	BDL	BDL	BDL
Dibromomethane	1	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
Toluene	1	BDL	BDL	BDL	BDL
t-1,3-Dichloropropylene	1	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	1	BDL	BDL	BDL	BDL
Tetrachloroethylene	1	BDL	BDL	BDL	BDL
1,3-Dichloropropane	1	BDL	BDL	BDL	BDL
Dibromochloromethane	1	BDL	BDL	BDL	BDL
1,2-Dibromoethane (EDB)	1	BDL	BDL	BDL	BDL
Chlorobenzene	1	BDL	BDL	BDL	BDL
Ethylbenzene	1	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
p/m-Xylene	1	BDL	BDL	BDL	BDL
o-Xylene	1	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998062	Date Analyzed	: 9/16-9/17/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

EPA METHOD 8260B GC/MS **Date Samples Rec'd:** 9/3/98

Matrix Type :		**W**	**W**	**W**	**W**
Field ID :	**MDL**	**MW-14**	**MW-21**	**MW-3**	**Trip Blank**
Styrene	1	BDL	BDL	BDL	BDL
Bromoform	1	BDL	BDL	BDL	BDL
Isopropylbenzene	1	BDL	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	1	BDL	BDL	BDL	BDL
Bromobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trichloropropane	1	BDL	BDL	BDL	BDL
n-Propylbenzene	1	BDL	BDL	BDL	BDL
2-Chlorotoluene	1	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	1	BDL	BDL	BDL	BDL
4-Chlorotoluene	1	BDL	BDL	BDL	BDL
tert-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	1	BDL	BDL	BDL	BDL
sec-Butylbenzene	1	BDL	BDL	BDL	BDL
p-Isopropyltoluene	1	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2,3-Trimethylbenzene	1	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	1	BDL	BDL	BDL	BDL
n-Butylbenzene	1	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	1	BDL	BDL	BDL	BDL
1,2Dibromo-3-chloropropane	1	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Hexachlorobutadiene	10	BDL	BDL	BDL	BDL
Naphthalene	10	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	1	BDL	BDL	BDL	BDL
Methyl ethyl ketone	10	BDL	BDL	BDL	BDL
Methyl butyl ketone	10	BDL	BDL	BDL	BDL
Methyl isobutyl ketone	10	BDL	BDL	BDL	BDL
Dibromofluoromethane (SR)	---	90	95	89	97
Toluene-d8 (SR)	---	84	87	76	89

SR= Surrogate Recovery Percent

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998062	Date Analyzed :	9/16/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/18/98		

EPA METHOD 8270C Modified **Date Samples Rec'd: 9/3/98**

Matrix Type :		W			
CTL Sample No.		11095			
Field ID		MW-21			
	MDL				
Acenaphthene	5	BDL			
Acenaphthylene	0.3	BDL			
Anthracene	5	BDL			
Benzidine	5	BDL			
Benzo(a)anthracene	0.3	BDL			
Benzo(a)pyrene	0.3	BDL			
3,4-Benzofluoranthene	0.3	BDL			
Benzo(ghi)perylene	20	BDL			
Benzo(k)fluoranthene	0.3	BDL			
Bis(2-chloroethoxy)methane	5	BDL			
Bis(2-Chloroethyl)Ether	5	BDL			
Bis(2chloroisopropyl)ether	5	BDL			
Bis(2-ethylhexyl)phthalate	5	BDL			
4-Bromophenylphenyl ether	5	BDL			
Butylbenzyl phthalate	5	BDL			
2-Chloronaphthalene	5	BDL			
4-Chlorophenyl phenylether	5	BDL			
Chrysene	5	BDL			
Dibenzo(a,H)anthracene	20	BDL			
1,2-Dichlorobenzene	5	BDL			
1,3-Dichlorobenzene	5	BDL			
1,4-Dichlorobenzene	5	BDL			
3,3-Dichlorobenzidine	5	BDL			
Diethyl phthalate	5	BDL			
Dimethyl phthalate	5	BDL			
Di-n-butyl phthalate	5	BDL			
2,4-Dinitrotoluene	5	BDL			
2,6-Dinitrotoluene	5	BDL			
Di-n-octyl phthalate	5	BDL			
1,2-Diphenylhydrazine	5	BDL			
Fluoranthene	5	BDL			
Fluorene	5	BDL			
Hexachlorobenzene	.07	BDL			
Hexachlorobutadiene	5	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
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Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998062	Date Analyzed :	9/16/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/18/98		

EPA METHOD 8270C Modified Date Samples Rec'd: 9/3/98

Matrix Type :		W			
CTL Sample No.		11095			
Field ID		MW-21			
	MDL				
Hexachlorocyclopentadiene	5	BDL			
Hexachloroethane	5	BDL			
Indeno(1,2,3-cd)pyrene	20	BDL			
Isophorone	5	BDL			
Naphthalene	5	BDL			
Nitrobenzene	5	BDL			
N-Nitrosodimethylamine	5	BDL			
N-Nitrosodi-n-propylamine	5	BDL			
N-Nitrosodiphenylamine	5	BDL			
Phenanthrene	.07	BDL			
Pyrene	5	BDL			
1,2,4-Trichlorobenzene	5	BDL			
2-Chlorophenol	20	BDL			
2,4-Dichlorophenol	20	BDL			
2,4-Dimethylphenol	20	BDL			
2-Methyl-46-dinitrophenol	20	BDL			
2,4-Dinitrophenol	20	BDL			
2-Nitrophenol	20	BDL			
4-Nitrophenol	20	BDL			
4-Chloro-3-methylphenol	20	BDL			
Pentachlorophenol	20	BDL			
Phenol	20	BDL			
2,4,6-Trichlorophenol	20	BDL			
Acenaphthene-d10 (SR)	---	116			
Phenanthrene-d10 (SR)	---	117			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Date Samples Received : 9/3/98

Client Name: **VHB, Inc.**	CTL Lab. No. 998062
Report Date: 9/18/98	PO/Job No. 40203

QUALITY CONTROL DATA

Total Metals

	LSB Conc.	LSB Results	Method Blank	
Nickel-mg/L	0.30	0.30	ND<0.05	
Zinc-mg/L	0.65	0.64	ND<0.05	
Copper-mg/L	1.10	1.11	ND<0.01	

	LSB Conc.	LSB Results	Method Blank	
Oil & Grease (TPH)-mg/L	5.0	4.6	ND<0.5	

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998062	Date Analyzed	: 9/16/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/3/98

	MDL	LSB TV	LSB Results	Method Blank	
Dichlorodifluoromethane	1			BDL	
Chloromethane	1			BDL	
Vinyl chloride	1			BDL	
Chloroethane	1			BDL	
Bromomethane	1			BDL	
Trichlorofluoromethane	1			BDL	
1,1-Dichloroethylene	1	20.0	17.0	BDL	
Methylene chloride	1			BDL	
trans-1,2-Dichloroethylene	1	20.0	20.0	BDL	
1,1-Dichloroethane	1	20.0	19.0	BDL	
2,2-Dichloropropane	1			BDL	
cis-1,2-Dichloroethylene	1	20.0	17.0	BDL	
Chloroform	1	20.0	19.0	BDL	
Bromochloromethane	1			BDL	
1,1,1-Trichloroethane	1	20.0	22.0	BDL	
1,1-Dichloropropylene	1			BDL	
Carbon tetrachloride	1	20.0	19.0	BDL	
Benzene	1	20.0	19.0	BDL	
1,2-Dichloroethane	1	20.0	18.0	BDL	
Trichloroethylene	1	20.0	18.0	BDL	
1,2-Dichloropropane	1			BDL	
Bromodichloromethane	1	20.0	17.0	BDL	
Dibromomethane	1			BDL	
cis-1,3-Dichloropropylene	1			BDL	
Toluene	1	20.0	17.0	BDL	
t-1,3-Dichloropropylene	1			BDL	
1,1,2-Trichloroethane	1			BDL	
Tetrachloroethylene	1	20.0	18.0	BDL	
1,3-Dichloropropane	1			BDL	
Dibromochloromethane	1			BDL	
1,2-Dibromoethane (EDB)	1			BDL	
Chlorobenzene	1	20.0	19.0	BDL	
Ethylbenzene	1	20.0	24.0	BDL	
1,1,1,2-Tetrachloroethane	1			BDL	
p/m-Xylene	1	20.0	25.0	BDL	
o-Xylene	1	20.0	24.0	BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB
Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons
LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.		
Lab No.	: 998062	Date Analyzed	: 9/16/98
PO No.	: 40203		
Rep. Date	: 9/18/98	Analyst	: YK

QUALITY CONTROL DATA

EPA METHOD 8260 GC/MS Date Samples Rec'd: 9/3/98

	MDL	LSB TV	LSB Results	Method Blank	
Styrene	1			BDL	
Bromoform	1	20.0	20.0	BDL	
Isopropylbenzene	1			BDL	
1,1,2,2-Tetrachloroethane	1	20.0	19.0	BDL	
Bromobenzene	1			BDL	
1,2,3-Trichloropropane	1			BDL	
n-Propylbenzene	1			BDL	
2-Chlorotoluene	1			BDL	
1,3,5-Trimethylbenzene	1			BDL	
4-Chlorotoluene	1			BDL	
tert-Butylbenzene	1			BDL	
1,2,4-Trimethylbenzene	1			BDL	
sec-Butylbenzene	1			BDL	
p-Isopropyltoluene	1			BDL	
1,3-Dichlorobenzene	1			BDL	
1,2,3-Trimethylbenzene	1			BDL	
1,4-Dichlorobenzene	1			BDL	
n-Butylbenzene	1			BDL	
1,2-Dichlorobenzene	1			BDL	
1,2Dibromo-3-chloropropane	1			BDL	
1,2,4-Trichlorobenzene	1			BDL	
Hexachlorobutadiene	1			BDL	
Naphthalene	1			BDL	
1,2,3-Trichlorobenzene	1			BDL	
Dibromofluoromethane (SR)	---		93	83	
Toluene-d8 (SR)	---		89	78	

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type : W= Water/Aqueous **S**= Soil/Solid **O**=Oil/Hydrocarbons

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998062	Date Analyzed :	9/16/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/18/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 9/3/98

	MDL	LSB TV	LSB Results	Method Blank	
Acenaphthene	5	45.0	46.0	BDL	
Acenaphthylene	0.3	45.0	49.0	BDL	
Anthracene	5	45.0	45.0	BDL	
Benzidine	5			BDL	
Benzo(a)anthracene	0.3	45.0	47.0	BDL	
Benzo(a)pyrene	0.3			BDL	
3,4-Benzofluoranthene	0.3	45.0	43.0	BDL	
Benzo(ghi)perylene	20			BDL	
Benzo(k)fluoranthene	0.3	45.0	47.0	BDL	
Bis(2-chloroethoxy)methane	5			BDL	
Bis(2-Chloroethyl)Ether	5			BDL	
Bis(2chloroisopropyl)ether	5			BDL	
Bis(2-ethylhexyl)phthalate	5			BDL	
4-Bromophenylphenyl ether	5			BDL	
Butylbenzyl phthalate	5			BDL	
2-Chloronaphthalene	5			BDL	
4-Chlorophenyl phenylether	5			BDL	
Chrysene	5	45.0	50.0	BDL	
Dibenzo(a,H)anthracene	20			BDL	
1,2-Dichlorobenzene	5			BDL	
1,3-Dichlorobenzene	5			BDL	
1,4-Dichlorobenzene	5			BDL	
3,3-Dichlorobenzidine	5			BDL	
Diethyl phthalate	5			BDL	
Dimethyl phthalate	5			BDL	
Di-n-butyl phthalate	5			BDL	
2,4-Dinitrotoluene	5			BDL	
2,6-Dinitrotoluene	5			BDL	
Di-n-octyl phthalate	5			BDL	
1,2-Diphenylhydrazine	5			BDL	
Fluoranthene	5	45.0	48.0	BDL	
Fluorene	5	45.0	46.0	BDL	
Hexachlorobenzene	.07			BDL	
Hexachlorobutadiene	5			BDL	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

LSB = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Client	: VHB, Inc.	Date Extracted:	9/10/98
Lab No.	: 998062	Date Analyzed :	9/16/98
PO No.	: 40203	Analyst :	YK
Rep. Date	: 9/18/98		

QUALITY CONTROL DATA

EPA METHOD 8270C Modified Date Samples Rec'd: 9/3/98

	MDL	LSB TV	LSB Results	Method Blank	
Hexachlorocyclopentadiene	5			BDL	
Hexachloroethane	5			BDL	
Indeno(1,2,3-cd)pyrene	20			BDL	
Isophorone	5			BDL	
Naphthalene	5	45.0	46.0	BDL	
Nitrobenzene	5			BDL	
N-Nitrosodimethylamine	5			BDL	
N-Nitrosodi-n-propylamine	5			BDL	
N-Nitrosodiphenylamine	5			BDL	
Phenanthrene	.07	45.0	45.0	BDL	
Pyrene	5	45.0	49.0	BDL	
1,2,4-Trichlorobenzene	5			BDL	
2-Chlorophenol	20			BDL	
2,4-Dichlorophenol	20			BDL	
2,4-Dimethylphenol	20			BDL	
2-Methyl-46-dinitrophenol	20			BDL	
2,4-Dinitrophenol	20			BDL	
2-Nitrophenol	20-			BDL	
4-Nitrophenol	20			BDL	
4-Chloro-3-methylphenol	20			BDL	
Pentachlorophenol	20			BDL	
Phenol	20			BDL	
2,4,6-Trichlorophenol	20			BDL	
Acenaphthene-d10 (SR)	---		101	115	
Phenanthrene-d10 (SR)	---		109	94	

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

Matrix Type: W= Water/Aqueous **S**= Soil/Solid **O**= Oil/Hydrocarbons

SR= Surrogate Recovery Percent/**LSB** = Laboratory Spiked Blank

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06451-2268
(203)-634-3731
Connecticut Certification No. PH-0547

Appendix D
Test Pit & Soil Boring Logs

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-1
Dimen.(LxWxD): 5' x 3' x 6.5'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Vegetated topsoil, light brown fine sand.	E		Fill
	2, 3, 4, 5, 6	Fill consisting of metal discs, blue/gray metal chips, glass, and brick with some dark stained medium grained sand.	M		Fill; no odor
	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	Reddish brown silty sand, some clay.	E		Native Material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technologies LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-2
Dimen.(LxWxD): 6' x 3' x 6'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Vegetated topsoil, light brown fine sand.	E		Fill
	2, 3, 4, 5, 6	Fill consisting of screens, metal beams, metal disks, cloth, metal shavings, with reddish brown medium sand with some dark staining.	M		Fill; no odor
	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	Reddish-brown silt with some clay.	E		Native Material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date:	8/10/98	Job Number:	40203
Client:	City of Middletown	Test Pit No.:	TP-2 (extension)
Location:	Remington Rand Middletown, CT	Dimen.(LxWxD):	10' x 3' x 5.25'
		Grd. Elev.:	
VHB Rep.:	Debbie Wojcicki / Steve Bourassa	Weather:	Partly Cloudy, 80's
Contractor:	Earth Technology LLC.	Equipment Used:	Excavator
Operator:			

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1 2	Vegetated topsoil	E		Fill
	3 4 5	Fill consisting of broken glass, bottles, some metal filings, brick, some metal pieces, trace small pieces of bluish white pasty substance with some reddish brown material.	M		Fill; no odor
	6 7 8 9 10 11 12 13 14 15 16 17 18	Fine, gravelly, silty-sand	E		Native material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-3
Dimen.(LxWxD): 5' x 3' x 6.25'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Ground surface is vegetated.			
	2	Dark brown stained soil with debris consisting of bricks, metal pieces, test tubes & misc. glassware, and pieces of tile.	M		Fill; no odor
	3				Grade slopes down to fence line @ east end of test pit. Fill present @ surface includes scrap wood, ash, and compacted white, fine granular material.
	4				
	5				
	6				
	7	Reddish-brown silty sand			Native Material
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-4
Dimen.(LxWxD): 3' x 3' x 2'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Fill consisting of large metal sheets, wood, glass and ash.	M		Fill, no odor
	2				
	3	Reddish brown silty-sand	E		Native Material
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-5
Dimen.(LxWxD): 5' x 3' x 7'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1 2 3 4 5 6 7	Loose fill consisting of rags, plastic fencing, hose, piping, other automotive debris, and brush and gray-stained soil.	E		Fill; slight petroleum odor. Grease on bucket tooth when withdrawn from test pit. Note: northern edge of test pit is edge of fill. Native material present.
	8 9 10 11 12 13 14 15 16 17 18	Reddish brown fine silty-sand.			Native Material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-6
Dimen.(LxWxD): 5' x 3' x 2'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1 2	Mulch @ surface. Gray ash, glass, plastic and misc. debris. 2" thick layer of azure blue pasty, granular material @ 1.5' depth.	M		Fill; no hydrocarbon odor.
	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Brown silty-sand	E		Native Material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/97
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-7
Dimen.(LxWxD): 5' x 3' x 2'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Thin layer of mulch @ surface. Gray stained soil and ash	M		Fill; no hydrocarbon odor.
	2				
	3	Brown silty-sand	E		Native Material
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-8
Dimen.(LxWxD): 5' x 3' x 4.8'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1 2 3 4 5	0.7' surface vegetation & mulch. 4.1' gray stained soil & ash with some pasty, granular, azure blue substance. Layer also contains debris including metal, glass, ceramics, and plastics.	M		Fill; no hydrocarbon odor.
	6 7 8 9 10 11 12 13 14 15 16 17 18	Brown silty-sand	E		Native Material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/10/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-9
Dimen.(LxWxD): 4' x 3' x 2'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Fill; Medium-fine brown sand with some debris (metal scrap, drum).	E		2:15 PM - Found dented drum just below surface, containing black sludge with a turpentine-like odor.
	2				
	3				ER crew contacted / unpacked & removed drum
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology
Operator:

Job Number: 40203
Test Pit No.: TP-10
Dimen.(LxWxD): 6.5' x 5' x 4.8'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Light reddish-brown, f-m grained sand	E		Fill
	1	Black-stained soil, fine sand, some organics	M	66.4 ppm	Fill; slight petroleum odor
	2				
	3	Light gray/reddish brown ash layer, over fill consisting of brick, boulders, ceramics,	D		Fill
	4	some metal chips and limited metal scrap.			
	5				
		Reddish-brown silty-sand with some clay.			Native Material
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-11
Dimen.(LxWxD): 5' x 3' x 8.3'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Medium brown fine silty sand	E		No odor or staining
	2				
	3				
	4				
	5				
	6	Dark stained fine silty sand, some clay			No hydrocarbon odor
	7				
	8				
	9	Brown fine silty sand	E		No staining
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

▽ Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-12
Dimen.(LxWxD): 5' x 3' x 5.5'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Vegetated topsoil	E		
	1				
	2	Fill - Mostly brick, some metal straps, boulders, little soil. Tar layer 1.8' - 2.8'	M		Fill; no petroleum odor Tar-like odor associated with tar layer
	3				
	4				
	5	Reddish-brown fine sandy silt	E		Native material
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-13
Dimen.(LxWxD): 5' x 3' x 7.2'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1, 2, 3	Fine to medium grained sand with misc. debris including plastic, wood, and tiles.	M		Fill; no odor
	4, 5, 6	Fine silty-sand with dark mottling	M	2000ppm	No petroleum odor Headspace sample taken from dark stained material.
	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	Fine silty sand	E		Native material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-14
Dimen.(LxWxD): 5' x 3' x 9'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Light brown silty-sand	E		Fill; no odor
	2	Gray to black sand with some bricks and pieces of metal.	M		Fill; petroleum odor
	3				
	4				
	5				
	6				
	7	Very oily layer @ 6.5' - 7.5'		1142ppm	Strong petroleum odor.
	8				
	9	Fine to medium sand	E		Native material
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-15
Dimen.(LxWxD): 5' x 3' x 6.5'
Grd. Elev.:
Weather: Partly cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1 2 3	Surface - Dense shrub vegetation Brown, silty, sandy gravel	M		Fill
	4 5 6	Gray to black sand with strong petroleum odor, containing debris including wood, metal, and bricks.	M	610ppm	Strong petroleum odor.
	7 8 9 10 11 12 13 14 15 16 17 18	Refusal @ 6.5'			

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-16
Dimen.(LxWxD): 7' x 3' x 10'
Grd. Elev.:
Weather: Partly cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Solid, spongy, white, blue, and green polymer-like material.	M		Buried chain link fence found @ west end of test pit.
	2				
	3				
	4				
	5				
	6	Gray sand.			Petroleum odor
	7				
					Groundwater @ 8' Oil sheen seen on groundwater.
	10	End of excavation approximately 10'			
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC.
Operator:

Job Number: 40203
Test Pit No.: TP-17
Dimen.(LxWxD): 7' x 3' x 10'
Grd. Elev.:
Weather: Partly Cloudy, 80's
Equipment Used: Excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Fine sand with debris (glass, wood)			Fill; no odor
	2				
	3	Light brown, fine silty-sand			Native material
	4				
	5				
	6				
	7				
	8				
	9				
		Dark brown to black, fine to medium grained sand		3.6ppm	Groundwater @ 10'
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-18
Dimen.(LxWxD): 7' x 3' x 8.5'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	tan, fine silty sand	E		No odor
	2	Fine to medium grained reddish-brown sand	E		No odor
	3				
	4				
	5				
	6				
	7				
	8				
		reddish-brown silt & clay	E		No odor
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/11/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-19
Dimen.(LxWxD): 7' x 3' x 8.5'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Metal scraps (incl. remains of 5 gallon cans piping, broken glass, grinding wheels, and wood scraps).	M		Fill; slight petroleum odor.
	2				
	3				
	4				
	5				
	6				
	7				
	8	brown silty sand	M		Native material; groundwater at 8.5'
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/12/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-20
Dimen.(LxWxD): 17' x 3' x 2.7'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Fine - medium grained light brown sand.	E		Fill; no odor
	1	Dark stained brown cinder & white ash	M	7.4ppm	Fill; no odor
	2	Reddish brown fine silty sand	E		Native material; no odor
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/12/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-21
Dimen.(LxWxD): 7' x 3' x 2.8'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1 2 3	Dark silty sand with some fill material along eastern sidewall (brick & glass)	M	3.2 ppm	Mild petroleum odor from eastern sidewall.
	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Reddish brown, fine silty sand, some clay	E		Native material

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/12/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-22
Dimen.(LxWxD): 7' x 3' x 7.4'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1 2 3	Fine-medium sand (native, back-filled material with roots and some glass, brick and clay piping	M		Fill Clay pipe at 2.4'
	4 5 6 7	Fine sandy silt.	M	4.3ppm	Slight petroleum odor @ base. Water table at 7.5'
	9 10 11 12 13 14 15 16 17 18				

Legend
F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/12/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-23
Dimen.(LxWxD): 7' x 3' x 6.8'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Fine to medium grained sand, aspahalt pcs.			Fill
	1 2 3 4 5	Fine to medium grained, gray silty sand	M	323ppm	Strong Petroleum odor.
	7	Fine to medium grained, brown silty sand	M	525ppm	Thin layer of separate phase product on water table.
	8 9 10 11 12 13 14 15 16 17 18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/12/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-24
Dimen.(LxWxD): 7' x 3' x 4.5'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Medium grained light brown sand; some brick at surface.	E		Fill; steel pipe housings & sections of steel pipe found from 0 - 2'.
	2				
	3				
	4	Fine grained gray sand.	E	352 ppm	Fill; moderate petroleum odor
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/12/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-25
Dimen.(LxWxD): 7' x 3' x 4'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Asphalt Pavement over processed aggregate	M		
	2	Reddish brown & metallic-looking cinder.	E		Fill
	3	Light brown fine grained silty sand	M		Fill; clay drain pipe runs parallel through test pit.
	4				No petroleum odor.
	5	Gray fine silty sand with some clay	E		Natural material; no odor
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/12/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-25B
Dimen.(LxWxD): 7' x 3' x 4'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Asphalt pavement over processed aggregate	M		
	2 3 4	Fine to medium grained, brown sand with some bricks & a large boulder. Dark stained layer @ about 1' below ground surface.	E		Fill; moderate hydrocarbon odor.
	5 6 7 8 9 10 11 12 13 14 15 16 17 18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-26
Dimen.(LxWxD): 7' x 3' x 3.4'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Dark gray stained, medium grained sand with some small pieces of tar.	E	0.8 ppm	Fill; no petroleum odor
	2	Light brown silty sand	E		No odor
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-30
Dimen.(LxWxD): 5' x 3' x 5'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Light brown fine silty-sand	E		No odor; no visual signs of contamination
	2				
	3				
	4				
	5	End of test pit 5'			
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-31
Dimen.(LxWxD): 5' x 3' x 4'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Fine to medium grained brown sand	E		Fill
	1	Gray fill / macadam layer	M	8.0 ppm	Fill
		Fine to medium grained brown sand	M		Fill
	2				
	3				
	4	Fine to medium brown sand	E		Native material
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-32
Dimen.(LxWxD): 5' x 3' x 4'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Fine to medium grained brown sand	E		Fill
	1	Bituminous concrete	E		Fill
		Fine-medium grained brown sand	E		No odor
	2				
	3				
	4	End of test pit at 4'			
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-33
Dimen.(LxWxD): 5' x 3' x 3'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Surficial material (crushed stone)	E		Fill
	1	Dark stained cinder layer	E		Fill; no odor
	2	Brown, fine to medium grained sand with some cobbles, asphalt, & brick.			Two metal pipes extend into test pit at each end of concrete pan
	3	End of test pit at 3'			
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-34
Dimen.(LxWxD): 5' x 3' x 3'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Surficial material (crushed stone)	E		Fill
	1	Dark stained cinder layer	E		Fill; no odor
	2	Brown, fine to medium grained sand with some cobbles, asphalt, & brick.			
	3	End of test pit at 3'			
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-35
Dimen.(LxWxD): 5' x 3' x 3'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Surficial material (crushed stone)	E		Fill
	1	Dark stained cinder layer	E		Fill; no odor
	2	Brown, fine to medium grained sand with some cobbles, asphalt, & brick.			
	3	End of test pit at 3'			
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date:	8/13/98	Job Number:	40203
Client:	City of Middletown	Test Pit No.:	TP-36
Location:	Remington Rand	Dimen.(LxWxD):	7' x 3' x 9'
	Middletown, CT	Grd. Elev.:	
VHB Rep.:	Debbie Wojcicki / Steve Bourassa	Weather:	partly cloudy, 80's
Contractor:	Earth Technology LLC	Equipment Used:	excavator
Operator:			

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Tan fine grained sand & silt.	E		Fill
		Macadam	M		
	2	Fill consisting of typewriter parts, metal scraps, brick, wire, and metal slag.	M		Fill
	3				
	4				
	5				
	6				
	7				
	8				
	9	Fine-medium sand and silt	E		Native material
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-37
Dimen.(LxWxD):
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		tan fine-medium sandy topsoil	E		Fill
	1	Fill consists of typewriter parts, asphalt, metal scrap, piping, wire, asphalt fabric.	D		Fill; Edge of area of typewriter parts and beginning of area of rubble fill consisting of rock and brick.
	2				
	3				
	4	End of test pit at 4'			
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-38
Dimen.(LxWxD): 7' x 3' x 5'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
		Tan fine sand & vegetation to 2"			
	1	Dark stained soil, cinder & macadam.	M		Fill
	2				
	3				
		Cinder with some glass and misc. fill	M		Fill
	4				
		Reddish brown, fine silty sand	E		Native material
	5	End of testpit at 5'			
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
V. = Very Lt. = Light Dk. = Dark
Gr. = Grey Br. = Brown Yel. = Yellow Org. = Orange
U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Test Pit Log

Date: 8/13/98
Client: City of Middletown
Location: Remington Rand
Middletown, CT
VHB Rep.: Debbie Wojcicki / Steve Bourassa
Contractor: Earth Technology LLC
Operator:

Job Number: 40203
Test Pit No.: TP-39
Dimen.(LxWxD): 7' x 3' x 8.5'
Grd. Elev.:
Weather: partly cloudy, 80's
Equipment Used: excavator

Samp #	Depth	Soil Description	Excav. Effort	PID (ppm)	Remarks
	1	Medium grained, brown sandy gravel	E		Fill
	2	Dark gray stained, medium grained sand	M		Fill; Light petroleum odor
	3	Gray cinder fill	M		Fill
	4	Reddish brown cinder fill	M		Fill
	5				
	6				
	7				
	8				
	9	Fine grained, gray silty-sand			Strong petroleum odor
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				

Legend

F = Fine M = Medium C = Coarse
F/M = Fine to Medium F/C = Fine to Coarse
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U.S.C. Code = Unified Soil Classification

Trace (Tr.) 0-10%
Little (Li.) 10-20%
Some (So.) 20-35%
And (&) 35-50%

Excavation Effort:
E = Easy
M = Moderate
D = Difficult

Groundwater

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-36/MW-16

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/18/98
Weather: Partly Cloudy / 80's

Boring Depth 17 feet
Depth to Ground Water 14 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		N/A	2.2'	2.0	0.1' layer of light tan cinder with some gravel sized pieces of concrete. 0.3' fine to med. grained reddish brown sand grading to dark gray mottled cinder fill.
4-8'			2.1'	1.8	0.7' layer of dark gray mottled cinder fill over 0.25' fine to med. grained dark reddish brown sand & cinder, over 0.5' reddish cinder and fine to medium grained sand over tan cinder fill.
8-12'			3.8'	0	0.8' layer of mottled dark gray & brown, medium grained sand, cinder & coal cinders over reddish brown, moist, fine sand & silt with vegetation & trace gravel. Sand & silt layer is moist @ 10 foot depth.
12-16'			3.8'	0	0.7' layer of mottled dark gray medium grained sand, coal & cinders, over reddish-brown fine sand & silt grading to silty clay. No hydrocarbon odors in any sample. Soil samples collected from water table interval.
16-17'			3.8'	NA	0.3' of silty clay over over reddish silty clay. MW set @ 16'
					MW constructed of 1" schedule 40 PVC well materials (10-slot screen), with 11 feet of #2 sand pack with a 1' bentonite seal. Stand-up casing.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-37

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/18/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 9 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.2'	8.2	0.25' organic topsoil over 0.7' coarse coal, cinder & dark gray mottled sand, over fine sand, ash, & cinder with pieces of coal.
4-8'			1.5'	4.0	0.5' fine to medium grained sand with coal, ash, & cinders, over tan/orange cinders.
8-12'			2.7'	98.4	0.2' of tan/orange cinders over 0.5' oil saturated, fine sand grading to fine sand/silt to silty clay @ 12'. Oil odor evident throughout, lessening with depth.
12-16'			2.9'	26.8	1.2' of fine silty clay with oil contamination evident, over fine, reddish silty clay with no petroleum odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-38

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/18/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.0'	7.0	0.1' organic topsoil, over 0.3' light gray mottled cinder over dark brown medium grained sand with some coal.
4-8'			1.2'	0.6	0.5' of brown cinder over orange fine to coarse cinder particles.
8-12'			2.6'	97.9	0.7' of orange cinder material over fine sandy silt grading to silty clay. Oil discoloration evident at about 11'. Globules of oil evident throughout soil.
12-16'			3.8'	62.7	Oil discoloration evident to 14' in silty clay. Below 14', reddish brown, fine silty clay with no petroleum discoloration evident.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-39

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/18/98
Weather: Partly Cloudy / 80's

Boring Depth 18 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.0'	6.7	0.2' organic topsoil over fine to medium grained sand. bottom 0.4' dark cinders mixed with medium grained brown sand.
4-8'			NSR	NA	
8-12'			NSR	NA	Void space between 12' and 15'. Note: moved boring and resampled 8-12' interaval. 0.7' recovery of reddish brown cinder with some metal.
15-18'			3.0'	0.9	1.9' red brown cinders over 0.3' blue-gray cinders. Thin oil-saturated layer (0.5") below, over 0.25' gray stained silty clay over 0.5' red-brown clay.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-40

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/18/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 9.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.0'	1.8	0.5' organic topsoil over 1.0' red-brown medium grained sand with trace gravel, over 0.5' dark gray mottled cinder fill.
4-8'			3.8'	2.0	1.0' of dark gray mottled cinder fill over reddish brown, fine silty sand. Bottom 1.0" is moist.
8-12'			3.8'	75.6	1.5' of reddish brown silty-sand with coal & cinder over 0.7' wet reddish brown silty clay over gray stained silty clay with oil sheen & strong petroleum odor.
12-16'			3.8'	15.7	0.8' of gray stained silty-clay over reddish brown silty clay.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-41

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/20/98
Weather: Partly Cloudy / 80's

Boring Depth 18 feet
Depth to Ground Water 9.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	1.0'	16.9	0.25' organic topsoil over, 0.3' fill consisting of pieces of brick & brick dust over black & white pliable material (no odor)
4-8'			2.2'	4.1	0.1' black & white pliable material (no odor) over fill consisting of bricks and cinder, over 0.7' fine to med. grained reddish brown sand. No odor.
8-12'			3.5'	0.0	0.5' cinder/ash fill over, fine brown silty sand, bottom 1.5' wet. No odor.
12-16'			NSR	NA	
16-18'			NA	0.0	Fine brown silty sand, some clay.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-42

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/18/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 12 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.1'	0.8	0.4' of dark brown medium grained sand over, 0.4' black medium grained sand & ash over,1.2' reddish brown medium grained sand over, 0.5' black ash over, fine grained brown silty-sand.
4-8'			3.1'	0.0	0.8' reddish brown medium grained silty sand marbled with ash over, 1.0 fine brown silty sand over 0.3' reddish brown medium grained silty sand over 1.0' moist, fine grained brown silty sand.
8-12'			3.8'	0.0	1.6' brown, fine gray mottled moist silty-sand over,0.9' wet, brown fine silty sand over, 0.3' moist fine gray silty sand with light petroleum odor over 0.5' moist, fine brown silty sand with gray mottling over, 0.5' black mottled med. grained red-brown sand.
12-16'			2.7'	0.0	1.3' of saturated light brown silty-sand with gray mottling over 1.4' brown silty sand.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-43/MW-17

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/18/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 12 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.7'	5.0	0.4' dark brown med. grained sand with pieces of cinder over 0.3' med. grained brown sand over 0.5' densely packed med. grained black cinder & silty sand over 1.8' black tar-like material with some cinder. Heavy hydrocarbon odor.
4-8'			1.7'	18.3	0.9' of black tar-like material with some cinder (heavy hydrocarbon odor) over, 0.8' chunks of cinder.
8-12'			3.7'	214	0.3' reddish cinder over 1.4' dense, dark gray fine silty sand & ash (petroleum odor), over 1.0' gray silty sand & ash over 0.8' light brown silty-sand.
12-16'			3.7'	12.3	0.7' of saturated ash & brown silty sand over 2.1' of wet med. grained brown to reddish silty sand, over 1.1' brown silt.
					MW constructed of 1" schedule 40 PVC well materials (10-slot screen), with 11 feet of #2 sand pack with a 1' bentonite seal. Stand-up casing.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-44

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 4 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.0'	2.4	0.4' dark brown oil stained silty-sand over, 0.9' black, oil stained, silty sand & cinder over, 0.7' fine grained reddish-brown silty-sand.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-45

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 4 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.6'	0.7	0.8' stained black silty sand & cinder over, 0.6' dark brown oil stained silty sand with some cinder over, 0.8' brown, fine grained silty-sand with dark gray mottling over, 0.4' chunks of cinder.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-46

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 4 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.1'	14.0	0.3' black, oil stained silty sand over, 0.4' dark brown, oil stained silty sand mixed with black cinder, over 1.2' brown silty-sand with dark gray mottling & some cinder over 0.2' coarse gray & black cinder.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-47

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 4 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	1.7'	5.6	0.3' brown loam with organics over, 0.4' black, oil stained silty-sand over 0.4' black cinder & silty-sand over 0.6' brown silty sand with dark gray mottling.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-48

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 4 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.0'	5.0	0.2' organics over 0.3' dark brown, oil stained silty-sand over, 1.5' brown silty sand with gray & black cinder.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-49

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.2'	11.9	0.2' dark brown sandy gravel containing crushed stone, over 0.6' brown silty-sand, over 1.3' dark gray to black cinder with some silty sand, over fine grained dark brown silty sand with black mottling.
4-8'			2.8'	12.1	0.2' fine grained brown silty-sand, over 0.3' fine black cinder with some silty sand, over 0.8' reddish-brown fine grained silty sand, over 0.7' dark brown, fine grained silty sand with strong petroleum odor,
8-12'			3.4'	205	0.5' fine grained, brown silty-sand with gray mottling, over 0.3' black cinder with some small chunks, over 0.2' dark gray & brown silty sand with petroleum odor, over 2.3' densely packed, fine grained brown silty-sand.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-50

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.8'	8.8	0.2' brown sandy-gravel, over 0.2' black cinder, over 0.3' fine grained light brown silty-sand, over 0.4' reddish brown cinder with some small chunks over fine grained brown silty sand.
4-8'			1.8'	572	0.4' fine grained brown silty sand, over saturated fine grained brown silty sand with strong petroleum odor.
8-12'			3.0'	351	2.7' medium grained, saturated dark brown sand with oil sheen & strong petroleum odor, over 0.3' saturated, fine grained densely packed gray silty-sand.
12-16'			3.5'	542	Saturated, medium grained sand with strong petroleum odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-51

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 8 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.5'	20.4	0.25' dark brown silty sand over 0.3' black cinder, over 0.5' dark brown silty sand with pieces of coal, over 0.8' densely packed fine grained light brown silty sand, over 0.7' densely packed fine gray silty-sand, over fine light brown silty sand.
4-8'			3.2'	607	0.3' fine grained densely packed silty sand, over 0.75' med. grained brown silty sand, over 0.6' med. grained dark brown silty sand with a moderate petroleum odor, over med. grained wet dark brown sand with a strong petroleum odor.
8-12'			3.8'	230	2.0' saturated Med. grained dark brown sand with a strong petroleum odor, over med. grained reddish brown silty sand with a moderate petroleum odor.
12-16'			3.8'	165	1.7' med. grained saturated dark brown sand with a strong petroleum odor over med. grained saturated brown sand with a moderate petroleum odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-52

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 6 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.4'	29.3	0.5' dark brown silty sand with organics, over 0.6' dark brown to black stained silty sand with organics over, 2.4' densely packed fine grained light brown silty sand.
4-8'			3.8'	36.7	1.5' densely packed light brown silt over, 1.25' wet, light brown silty sand with very light petroleum odor over, wet dark brown silty sand with very light petroleum odor.
8-12'			3.8'	32.6	1.8' wet med. grained dark brown silty sand with very light petroleum odor over 1.3' coarse grained brown sand with very light petroleum odor, over 1.0' densely packed dark brown silt with no petroleum odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-53

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 8 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.7'	19.5	0.2' loam & silty sand, over 2.6' densely packed gray/brown fine grained silty sand, over med. grained brown silty sand.
4-8'			2.6'	381	0.6' med. grained brown silty sand, over 2.0' wet med. grained dark brown silty sand with a very strong petroleum odor.
8-12'			3.8'	76	2.0' saturated med. grained dark brown sand with a strong petroleum odor, over 1.7' saturated coarse grained brown silty sand with a petroleum odor, over brown clay.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-54

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/19/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water NA
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.2'	50.0	0.1' dark brown loam, over 0.6' fine grained dark brown silty-sand, over 0.7' fine grained brown silty sand, over 0.6' med. grained brown silty sand, over fine grained dark brown silty sand.
4-8'			3.8'	49.9	1.2' dark brown silty med. grained sand over med. grained dark brown sand.
8-12'			3.8'	52.8	0.7' med. grained dark brown sand over fine to med. grained dark brown silty-sand.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-55

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/20/98
Weather: Partly Cloudy / 80's

Boring Depth 13 feet
Depth to Ground Water 8 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-5'		NA	3.1'	10.2	1.0' wood flooring & concrete over, 0.1' brick pieces & dust, over brown silty fine-med. sand with no petroleum odor.
5-9'			3.8'	16.7	Silty fine to medium grained sand grading to medium to coarse sand at 6.0'.
9-13'			3.8'	17.4	2.5' medium to coarse grained sand over brown clay. No petroleum odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-56

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/20/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 8 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'	16.1	0.2' asphalt over 0.3' dark cinder, over fine brown silty sand with trace gravel grading to light brown silty fine sand at 3.0' (no hydrocarbon odor).
4-8'			3.8'	30.4	0.2' fine grained light brown silty sand, over light brown silty sand with trace clay to 5.5' over wet, brown medium to coarse grained sand.
8-12'			3.5'	26.1	0.7' coarse sand & gravel over fine grained silty sand grading to clay at 11'. No hydrocarbon odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-57

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/20/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 8 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	2.8'	33.3	0.5' pavement underlain by black medium grained sand & cinder to 1.0', over fine to medium grained sandy fill containing brick gravel & concrete.
4-8'			3.5'	36.3	1.5' fine grained dark brown silty sand over wet medium to coarse grained sand & gravel. No hydrocarbon odor.
8-12'			3.8'	52.1	1.0' wet medium to coarse grained sand and trace gravel, over silty-clay grading to reddish brown clay.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203

Boring #: B-58/MW-18

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/20/98
Weather: Partly Cloudy / 80's

Boring Depth 13 feet
Depth to Ground Water 5.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
1-5'		NA	3.8'	290	Top 1' hand dug. 0.2' organic soil over 2.8' fine grained silty sand, over fine to med. grained brown sand. Slight hydrocarbon odor.
5-9'			3.8'	309	0.5' fine to med. grained brown sand over med. to coarse wet sand. Strong hydrocarbon odor.
9-13'			3.8'	62.0	Medium to coarse grained brown sand with sheen evident. Coarsens with depth. Some gravel at 12-13'.
					MW constructed of 1" schedule 40 PVC well materials (10-slot screen), with 11 feet of #2 sand pack with a 1' bentonite seal. Stand-up casing.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-59

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 8 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.0'	1.5	0.3' dark gravel and cinder over 1.0' fine grained light brown silty sand over fine to coarse grained brown sand.
4-8'			3.8'	7.9	2.2' fine grained brown coarse sand over 0.5' moist fine grained dark brown silty sand, over fine to medium grained sand with some rock fragments.
8-12'			3.8'	6.5	Wet coarse brown sand with some gravel. No odor.
12-16'			3.8'	7.3	1.8' wet coarse grained brown sand grading to fine grained silty sand to clay at 14.5'

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203

Boring #: B-60/MW-19

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 16 feet
Depth to Ground Water 8 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.0'	8.4	0.2' organic topsoil over red, brown & gold cinder fill. Bottom 0.1' of sample is damp. No odor.
4-8'			1.5'	9.1	1.3' cinder fill over fine to medium grained sand with some cinders and brown & black staining. No odor.
8-12'			0.8'	12.7	0.7' wet, fine to medium grained sand with some cinders over fine grained brown silty sand.
12-16'			3.0'	7.9	0.7' fine grained brown silty-sand over 0.5' dark brown/black stained fine silty sand, over gray fine sandy silt with some clay.
					MW constructed of 1" schedule 40 PVC well materials (10-slot screen), with 11 feet of #2 sand pack with a 1' bentonite seal. Stand-up casing.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-61

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 6.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.6'	3.0	0.5' gravel road base over 0.7' fine silty-sand over fine to medium grained sand with trace gravel. No hydrocarbon odor.
4-8'			3.8'	285	2.0' fine to medium grained reddish brown sand with trace gravel over fine to medium grained gray/ brown sand with moderate petroleum odor.
8-12'			3.8'	76.0	1.5' fine to medium grained brown/gray sand with moderate petroleum odor over 1.0' fine to med. reddish brown sand over reddish brown silty clay.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-62

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 8 feet
Depth to Ground Water 6.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.0'	16.2	0.9' fine to medium grained sand, trace gravel over 0.5' black gravel/cinder over fine to med. brown sand with trace cinder. Slight petroleum odor.
4-8'			3.8'	160	2.0' fine to medium grained brown sand over, fine to medium grained gray/brown sand. Strong petroleum odor.
					Note: boring ended at 8' due to refusal - possible underground structure (tank or utility).

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-63

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 7 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'	19.8	0.5' asphalt pavement over 0.3' poorly sorted fine grained sandy-gravel over 2.5' fine grained brown silty sand, over fine to med. grained sand. No odor.
4-8'			3.8'	19.1	0.5' fine grained brown silty-sand grading to fine to medium grained silty-sand @ 7.0'. Brown, black and, reddish bands throughout sample. No odor.
8-12'			3.8'	20.0	Medium grained brown sand to 11' grading to fine silty sand and clay. No odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-64

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 6.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.2'	6.6	0.4' vegetated topsoil over 0.3' fine to med. grained tan sand with trace gravel, over fine brown silty-sand with dark brown mottling. No odor.
4-8'			3.8'	38.7	0.5' fine to medium grained dark brown silty-sand over fine grained brown silty-sand grading to medium grained silty-sand at 5'. 0.5' layer of gray silty-sand at 7.0'. Moderate petroleum odor.
8-12'			3.8'	9.5	0.8' medium grained sand with some gravel over 1.7' fine to medium grained brown sand, underlain by gold/brown mottled fine to medium grained silty sand. Slight sheen on water in upper 1/2 of interval.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-65

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 7 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'	6.3	0.4' vegetated organic topsoil over 0.9' black cinder fill, over 0.2' brown cinder fill and fine to medium grained sand, underlain by fine grained brown silty-sand, trace gravel. No hydrocarbon odor.
4-8'			2.0'	23.0	0.5' fine grained brown silty-sand with some gray discoloration over fine to medium grained brown sand with some gravel. Wet at 7'. No odor.
8-12'			3.8'	28.9	Medium to coarse grained sand, trace gravel grading to medium to coarse sand at 10'. 0.3' black sand/gravel layer @ 9.5'

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-66

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 5.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'	21.2	0.4' organic topsoil mixed with asphalt gravel over 0.6' dark stained med. to coarse grained sand with some asphalt/gravel fill, underlain by 2.2' fine to med. sand with some gravel over fine light brown silty sand.
4-8'			3.8'	17.5	Fine grained light brown silty sand to 5.5' grading to fine sand to 7', over fine to medium grained brown sand. No hydrocarbon odor.
8-12'			3.8'	14.8	Medium grained brown sand to 9' underlain by fine to medium grained brown sand with some silt. No hydrocarbon odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-67

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'	16.4	0.3' of asphalt pavement over 0.7' brown/black fill consisting of fine to med. sand, some asphalt pieces and gravel, over 0.7' fine grained silty-sand over fine to med. grained brown sand. No hydrocarbon odor.
4-8'			3.8'	22.0	0.8' fine to medium grained brown sand over fine grained brown silty sand. 0.2' coarse black stained sand and gravel @ 7.5'. No hydrocarbon odor.
8-12'			3.8'	15.1	0.8' coarse grained brown sand & gravel over 0.9' brown silty sand, over 2' medium to coarse grained sand with some gravel (black staining from 1.7' to 2.1'), underlain by reddish brown silty clay . No hydrocarbon odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-68/MW-20

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'	2000	0.5' Asphalt roadbase/fill over 1.0' fine grained black stained silty sand with moderate hydrocarbon odor, underlain by fine grained brown silty sand.
4-8'			3.8'	1959	Fine silty sand (moist @ 5') coarsening at 6.5' to fine to medium grained sand, over red-brown silty clay from 7.5' to 8'. Moderate petroleum odor.
8-12'			3.8'	182	Red/brown silty clay. Moderate petroleum odor.
					MW constructed of 1" schedule 40 PVC well materials (10-slot screen), with 11 feet of #2 sand pack with a 1' bentonite seal. Flush mount curb box.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-69

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 8 feet
Depth to Ground Water 3 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'		0.25' surficial organic soil over 2.7' fine to medium grained brown sand over dark brown/black medium to coarse sand. Moderate petroleum odor.
4-8'			3.8'		Dark brown/black medium to coarse grained sand with a moderate petroleum odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-70

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/21/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 8.5 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.0'	25.9	0.2' bituminous concrete pavement over light brown silty sand. 0.3' gray ash layer containing small cobbles over from 0.5' to 0.8'.
4-8'			3.2'	384	1.3' light brown silty sand containing 0.3' dark gray ash layer from 0.3' to 0.6' over 1.0' gray/brown sand (petroleum odor), over brown silty sand.
8-12'			3.8'	33.8	0.5' gray silty sand over saturated med. grained dark brown silty sand with a 0.4' layer of brown silt & fine grained sand at 11.2'.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-71

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/25/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 4 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.0'	5.3	0.5' concrete floor. 1.3' fine grained brown silty sand over moist fine to medium grained sand. (no odor)
4-8'			3.8'	2.1	1.5' wet, fine to medium grained brown sand grading to medium grained sand at 5.5' (no odor).
8-12'			3.8'	1.9	Medium to coarse grained, brown sand grading to include some fine sand at 11' (no odor).

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-72

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/25/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 4 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	NA	NA	Boring advanced through floor drain. 0-4' brick/concrete drainage basin. 0.5' sediment at bottom of basin.
4-8'			3.8'	22.9	Wet fine to medium grained brown sand with slight petroleum odor.
8-12'			3.8'	24.7	1.0' of fine to medium grained brown sand over medium to coarse grained brown sand (slight gray staining). 0.5' silty clay at base of boring. Slight sheen and petroleum odor throughout sample.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-73

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/25/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 4 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	NA	NA	Boring advanced through floor drain. 0-4' brick/concrete drainage basin. 0.3' of sediment at bottom of basin.
4-8'			3.8'	4.8	Wet fine to medium grained brown sand grading to medium grained sand at 5'. Slight petroleum odor.
8-12'			3.8'	0.0	Medium to course grained sand. 0.1' wet silty clay at bottom of boring. Slight petroleum odor.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand
Middletown, Connecticut

Project # 40203
Boring #: B-74/MW-21

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/25/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water 4 feet
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.5'	3.6	0.3' wood floor over 0.4' fine to medium grained sand, some gravel over fine grained brown silty sand. Damp at 3.5'. No odor.
4-8'			3.8'	4.8	Fine to medium grained sand, some silt grading to fine to medium grained sand at 6.3'. Sample is wet, no odor.
8-12'			3.8'	15.7	Medium grained sand with some fine grained sand and trace silt. No odor.
					MW constructed of 1" schedule 40 PVC well materials (10-slot screen), with 11 feet of #2 sand pack with a 1' bentonite seal. Flush curb box.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable

VHB Soil Boring Report

Site Data:

Remington Rand

Middletown, Connecticut

Project # 40203

Boring #: B-75/MW-22

Driller: Columbia Environmental Drilling
Drill Rig: Mobile Rig
Technique: Geoprobe
Date: 8/25/98
Weather: Partly Cloudy / 80's

Boring Depth 12 feet
Depth to Ground Water
VHB Representative Debbie Wojcicki / Steve Bourassa

Depth	Sample #	Blow Counts	Recovery (%)	PID (PPM)	Field Classification And Remarks
0-4'		NA	3.8'	4.5	0.7' of concrete floor overlying, 0.3' fine to medium grained sand with some silt over fine to medium grained brown sand. No odor.
4-8'			3.8'	7.3	Fine to medium grained brown sand. No odor.
8-12'			3.8'	12.9	3.0' fine to med. grained sand with some silt over fine silty sand. No odor.
					MW constructed of 1" schedule 40 PVC well materials (10-slot screen), with 11 feet of #2 sand pack with a 1' bentonite seal. Flush curb box.

PPM = Parts Per Million
NSR = No Sample Recovered
NA = Not Applicable