

Table 1
Potential Areas of Concern with Sample Identifications

Phase II ESA
 13 Watrous Street
 East Hampton, CT

pAOC	Sample ID	Rationale	Matrix	Parameters
pAOC 1	Sed -1	Investigate floor drain sediment to determine if releases have been discharged through the drain	Sediment	ETPH, VOCs
pAOC 2	B-1	Investigate former AST storage area	Soil	ETPH, VOCs, PAHs, Mass PP-13 Metals, and PCBs
pAOC 3	Oil - 1	Investigate hydraulic lift to determine the presence of PCBs in the fluid	Oil	PCBs
pAOC 4	B-2, B-3	Investigate former coal pocket storage area	Soil	ETPH, PCBs, Mass and SPLP PP-13 Metals
pAOC 5	B-4 - B-6	Investigate heavily stained interior locations	Soil	ETPH, VOCs
pAOC 6	B-7 - B17	Investigate heavily stained and stressed vegetation in exterior locations	Soil	ETPH, PAHs, PCBs, Mass and SPLP PP-13 Metals
pAOC 7	B-18	Investigate stained areas in temporary storage area	Soil	ETPH, VOCs

Notes:

pAOC - Potential Area of Concern

ETPH - Extractable Total Petroleum Hydrocarbons

PCBs - Polychlorinated Biphenyls

PP-13 Metals - Priority Pollutant 13 Metals

AST - Aboveground Storage Tank

PAH - Polyaromatic Hydrocarbons

VOC - Volatile Organic Compounds

Table 2
Well Construction Details with Relative Groundwater Elevations
Phase II ESA
13 Watrous Street
East Hampton, CT

Well ID	Relative Elevation (ft)			Well Depth (ft)	Screened Interval (ft)	Formation	Groundwater	
	Ground	Top of Casing	Top of PVC				Depth * (ft)	Relative Elevation (ft)
MW-1	84.36	89.36	89.26	15.12	10-20	Bedrock	13.69	91.94
MW-2	85.32	90.32	90.23	15.08	10-20	Bedrock	14.89	92.12
MW-3	89.31	94.31	94.23	15.45	10-20	Bedrock	15.62	91.98

Notes:

* Water level measurements collected on July 26, 2005
Elevations based on an arbitrary benchmark of 100 feet

Table 3
Summary of Soil Analytical Data
Phase II ESA
13 Watrous Street
East Hampton, CT

Parameter	Remediation Standard Regulations			B-1 WS	B-1D	B-2 WS	B-3 WS	B-4 WS	B-5 WS	B-6 WS	B-7 WS	B-8 WS	B-9 WS	B-10 WS	B-11 WS	B-12	B-13	B-14	B-15	B-16	B-17	B-18
	RES DEC	I/C DEC	GA PMC	1-2 feet 7/24/2005	1-2 feet 7/24/2005	1-2 feet 7/24/2005	1-2 feet 7/24/2005	4-6 feet 7/26/2005	4-6 feet 7/26/2005	0-2 feet 7/26/2005	3-4 feet 7/25/2005	4-5 feet 7/25/2005	3-4 feet 7/25/2005	4-5 feet 7/26/2005	0-2 feet 7/26/2005	3-4 feet 7/26/2005	3-4 feet 7/26/2005	4-5 feet 7/26/2005	2-3 feet 7/26/2005	2-4 feet 7/26/2005	6-7 feet 7/26/2005	3-4 feet 7/26/2005
Total Cyanide (mg/kg)	1,400	41,000	NE ¹				ND <0.78	ND <1.0														
Total Metals (mg/kg)																						
Antimony	27	8,200	NE ¹	ND <5.5	ND <5.9	43*	ND <6.1					ND <2.1			ND <2.5		ND <2.5		ND <2.6		ND <2.2	
Arsenic	10	10	NE ¹	6.3	4.1	ND <12	ND <3.1					4			4.7		2.3				1.4	
Beryllium	2	2	NE ¹	ND <0.55	ND <0.59	ND <2.3	ND <0.61					ND <0.21			ND <0.25		ND <0.25		ND <0.26		ND <0.22	
Cadmium	34	1,000	NE ¹	ND <0.55	ND <0.59	5.4	ND <0.61					ND <0.21			0.63		0.45		0.48		0.27	
Chromium	3,900	51,000	NE ¹	9.5	13	14	20					13			12		9.2		11		8.4	
Copper	2,500	76,000	NE ¹	47	63	10,000*	470					16			86		130		46		22	
Lead	500	1,000	NE ¹	16	12	3,300*	140					5.5			76		47		28		20	
Mercury	20	610	NE ¹	0.036	0.044	0.27	14					ND <0.028			ND <0.029		0.24		0.054		ND <0.028	
Nickel	1,400	7,500	NE ¹	9.1	13	39	ND <3.1					6.6			14		14		7.9		9.4	
Selenium	340	10,000	NE ¹	ND <2.8	ND <2.9	ND <12	ND <3.1					ND <1.0			ND <1.2		ND <1.3		ND <1.3		ND <1.1	
Silver	340	10,000	NE ¹	ND <2.8	ND <2.9	ND <12	ND <3.1					ND <1.0			ND <1.2		ND <1.3		ND <1.3		ND <1.1	
Thallium	5	160	NE ¹	ND <2.8	ND <2.9	ND <12	ND <3.1					ND <1.0			ND <1.2		ND <1.3		ND <1.3		ND <1.1	
Zinc	20,000	610,000	NE ¹	52	33	21,000*	370					19			83		170		37		39	
SPLP Metals (mg/L)																						
Antimony	NE ²	NE ²	0.006	ND <0.02		ND <0.02	ND <0.020					ND <0.0060								ND <0.0060		
Arsenic	NE ²	NE ²	0.050	ND <0.01		ND <0.01	ND <0.010					ND <0.010								ND <0.010		
Beryllium	NE ²	NE ²	0.004	ND <0.001		ND <0.001	ND <0.0010					ND <0.0010								ND <0.0010		
Cadmium	NE ²	NE ²	0.005	ND <0.001		ND <0.001	ND <0.0010					ND <0.0010								ND <0.0010		
Chromium	NE ²	NE ²	0.050	ND <0.005		ND <0.005	ND <0.0050					ND <0.0050								ND <0.0050		
Copper	NE ²	NE ²	1.3	ND <0.01		0.032	ND <0.10					ND <0.010								0.013		
Lead	NE ²	NE ²	0.015	ND <0.005		0.0092	ND <0.0050					ND <0.0050								0.011		
Mercury	NE ²	NE ²	0.002	ND <0.0002		ND <0.0002	ND <0.00020					ND <0.00020								ND <0.00020		
Nickel	NE ²	NE ²	0.1	ND <0.01		ND <0.01	ND <0.010					ND <0.010								ND <0.010		
Selenium	NE ²	NE ²	0.050	ND <0.01		ND <0.01	ND <0.010					ND <0.010								ND <0.010		
Silver	NE ²	NE ²	0.036	ND <0.005		ND <0.005	ND <0.0050					ND <0.0050								ND <0.0050		
Thallium	NE ²	NE ²	0.005	ND <0.01		ND <0.01	ND <0.010					ND <0.010								ND <0.010		
Zinc	NE ²	NE ²	5.000	ND <0.05		ND <0.05	ND <0.050					ND <0.050								ND <0.050		
Extractable Petroleum Hydrocarbons (CTETPH) (mg/Kg)	500	2,500	500	ND <3.6	ND <3.7	4.6	34	540	ND <3.7	250	34	17	400	100	180	800	50	ND <3.6	63	43	160	39
Volatile Organic Compounds (µg/Kg)*																						
Toluene	500,000	1,000,000	20,000	ND <1.0	ND <15	ND <5.2	ND <5.2	ND <430	ND <3.5	ND <560		ND <280			ND <390		ND <6.0		ND <400		ND <3.8	1,000
Xylenes (total) ³	500,000	1,000,000	19,500	ND <1.0	ND <15	ND <5.2	ND <5.2	ND <430	ND <3.5	ND <560		ND <280			ND <390		ND <6.0		ND <400		ND <3.8	1920
Trichloroethylene	56,000	520,000	100	6.4	20	ND <5.2	ND <5.2	ND <430	61	310,000		350			5,300		ND <6.0		950		11	22,000
Tetrachloroethene	12,000	110,000	100	ND <15	ND <15	6.1	ND <5.2	ND <430	4.8	ND <5600		ND <280			ND <390		ND <6.0		780		ND <3.8	870
Napthalene	1,000,000	2,500,000	5,600	ND <56	ND <150	ND <5.2	ND <5.2	900	ND <35	ND <560		ND <2800			ND <3,900		ND <6.0		ND <4000		ND <38	ND <3,000
Polycyclic Aromatic Hydrocarbons (µg/Kg)*																						
Phenanthrene	1,000,000	2,500,000	4,000	ND <180	ND <360	ND <350	ND <180				210	ND <170	ND <3,600	1,100	ND <3,500	ND <990	ND <920	ND <930	ND <930	ND <190	ND <870	
Fluoranthene	1,000,000	2,500,000	1,000	ND <180	ND <360	ND <350	ND <180				300	ND <170	ND <3,600	1,400	2,000*	ND <990	ND <920	620	790	ND <190	ND <870	
Pyrene	1,000,000	2,500,000	4,000	ND <180	ND <360	ND <350	ND <180				290	ND <170	ND <3,600	1,400	3,000	ND <990	ND <920	660	880	ND <190	ND <870	
Benzo (a) anthracene	1,000	7,800	1,000	ND <180	ND <360	ND <350	ND <180				170	ND <170	ND <3,600	ND <1,700	ND <3,500	ND <990	ND <920	ND <930	ND <930	ND <190	ND <870	
Chrysene	84,000	780,000	1,000	ND <180	ND <360	ND <350	ND <180				210	ND <170	ND <3,600	ND <1,700	ND <3,500	ND <990	ND <920	ND <930	ND <930	ND <190	ND <870	
Benzo (b) fluoranthene	1,000	7,800	1,000	ND <180	ND <360	ND <350	ND <180				250	ND <170	ND <3,600	ND <1,700	ND <3,500	ND <990	ND <920	ND <930	ND <930	120	ND <870	
Benzo (k) fluoranthene	8,400	78,000	1,000	ND <180	ND <360	ND <350	ND <180				140	ND <170	ND <3,600	ND <1,700	ND <3,500	ND <990	ND <920	ND <930	ND <930	ND <190	ND <870	
Benzo (a) pyrene	1,000	1,000	1,000	ND <180	ND <360	ND <350	ND <180				200	ND <170	ND <3,600	ND <1,700	ND <3,500	ND <990	ND <920	ND <930	ND <930	100	ND <870	
Indeno (1,2,3 -cd) pyrene	1,000	7,800	1,000	ND <180	ND <360	ND <350	ND <180				130	ND <170	ND <3,600	ND <1,700	ND <3,500	ND <990	ND <920	ND <930	ND <930	ND <190	ND <870	
Benzo (ghi) perylene	1,000,000	2,500,000	4,200	ND <180	ND <360	ND <350	ND <180				110	ND <170	ND <3,600	ND <1,700	ND <3,500	ND <990	ND <920	ND <930	ND <930	ND <190	ND <870	
PAHs SPLP µg/Kg)																						
Total	varies	varies	varies												ND							
PCB Analysis (µg/Kg)*																						
Aroclor 1254	1,000	10,000	NE	ND <100	ND <110							ND <100			14,000		ND <110		1,000		ND <99	

Notes:

Values bolded and shaded exceed applicable standards
* Constituent not considered an exceedance based on SPLP analytical results
NE¹ - No Established Criteria- Refer to SPLP standards
NE² - No Established Criteria- Refer to Total Metal Standards
Only detected compounds are shown in the table

NE - No Established Criteria
ND - Not Detected
NA - Not Analyzed
RSR - Remediation Standard Regulation
Xylenes (total)³ The total of meta, para and ortho xylenes.

ug/L - micrograms per liter
ug/Kg - micrograms per kilogram
mg/kg - milligram per kilogram
mg/L - milligram per liter

RES DEC - Residential Direct Exposure Criteria
I/C DEC - Industrial Commercial Direct Exposure Criteria
GA PMC - GA Pollutant Mobility Criteria
GB PMC - GB Pollutant Mobility Criteria

Table 4
Summary of Groundwater Analytical Data
Phase II ESA
13 Watrous Street
East Hampton, CT

Parameter	Connecticut Remediation Standard Regulations (RSRs)				WS MW-1 8/6/05	WS MW-2 8/6/05	WS MW-3 8/6/05
	GWPC	SWPC	RES GW VC	I/C GW VC			
pH (SU)*	NE	NE	NE	NE	6.78	6.94	6.85
Specific Conductance (umhos/cm)*	NE	NE	NE	NE	212	239	310
Total Metals (ug/L)							
Antimony	6	86,000	NE	NE	ND<6	ND<6	ND <6
Arsenic	50	4	NE	NE	ND <10.0	ND <10.0	ND <10.0
Beryllium	4	4	NE	NE	ND <1.0	ND<1.0	ND<1.0
Chromium	5	6	NE	NE	ND <1.0	ND <1.0	ND <1.0
Chromium	50	1,200	NE	NE	6.1	10	9.7
Copper	1,300	48	NE	NE	19	39	21
Lead	15	13	NE	NE	5.4	6.8	7.9
Nickel	100	880	NE	NE	11	20	16
Mercury	2	0.4	NE	NE	ND <0.2	ND <0.2	ND <0.2
Selenium	50	50	NE	NE	ND <10.0	ND <10.0	ND <10.0
Silver	36	12	NE	NE	ND <5.0	ND <5.0	ND <5.0
Thallium	5	63	NE	NE	ND <10.0	ND <10.0	ND <10.0
Zinc	5,000	123	NE	NE	ND <50	ND <50	ND <50
Extractable Petroleum Hydrocarbons (CTETPH) (mg/L)	100	NE	NE	NE	ND <0.1	ND <0.1	ND <0.1
Volatile Organic Compounds (ug/L)**							
Chloromethane	3	NE	390	5,500	1.00	ND <1.0	ND <2.0
cis-1,2 - Dichloroethene	70	NE	830	11,000	0.71	ND <1.0	ND <2.0
Trichloroethene (TCE)	5	2,340	27	67	27.0	2.4	1.7
Tetrachloroethene	5	88	340	810	ND<1.0	2.9	ND <2.0
Methyl-tert-butyl ether (MTBE)	100	NE	21,000	50,000	ND<1.0	0.91	ND <2.0
Trichlorofluoromethane (Freon 11)	1,300	NE	1,300	4,200	ND <1.0	ND <1.0	1.70
Semi Volatile Organic Compounds (ug/L)**							
Di-n-butyl pthalate	3	NE	390	5,500	1.00	0.59	ND <2.0

Notes:

Values bolded and shaded exceed applicable standards

* - pH and specific conductance readings were averaged over the time period of sampling

** - Only detected compounds are shown in this table

NE - No Established Criteria

ND - Not Detected

NA - Not Analyzed

RSR - Remediation Standard Regulation

GWPC - Groundwater Protection Criteria

SWPC - Surface Water Protection Criteria

RES VC - Residential Volatilization Criteria

I/C VC - Industrial / Commercial Volatilization Criteria

SU - Standard Units

umhos/cm - microsiemens per centimeter

ug/L - micrograms per liter

mg/L - milligrams per liter

Table 5
Summary of Floor Drain and Hydraulic Fluid Analytical Data
Phase II ESA
13 Watrous Street
East Hampton, CT

Parameter	Floor Drain 8/7/2005	Hydraulic Fluid 7/26/2005
Extractable Petroleum Hydrocarbons (CTETPH) (mg/Kg)	19,000	NA
Volatile Organic Compounds (µg/Kg)*		
Toluene	950	NA
Xylenes (total) ¹	540	NA
Trichloroethylene	400	NA
1,2,4-Trimethylbenzene	430	NA
PCB Analysis (µg/Kg)		
PCBs Total	NA	ND<1,000

Notes:

ND - Not Detected

NA - Not Analyzed

ug/L - micrograms per liter or parts per billion

Xylenes (total) ¹ The total of meta, para and ortho xylenes

* Only detected VOCs are shown in this table

Table 6
Summary of Chatham Health District Analytical Data
Phase II ESA
13 Watrous Street
East Hampton, CT

Parameter	National Primary Drinking Water Regulations	National Secondary Drinking Water Regulations	Connecticut Department of Public Health Action Level List	Dug Well	Drilled Well
				7/12/05	8/10/05
Volatile Organic Compounds (ug/L)*					
Trichloroethene (TCE)	5	NE	5	ND	3.9
Trichlorofluoromethane (Freon 11)	NE	NE	NE	ND	7.80
Organohalide Pesticides (ug/L)*					
Alpha Chlordane	5	NE	5	ND <0.008	0.05
Gamma Chlordane	NE	NE	NE	ND<0.006	0.05
Dieldrin	NE	NE	0.03	ND <0.037	1.06
Trans-Nonachlor	NE	NE	NE	ND<0.006	0.03
Semi Volatile Organic Compounds (ug/L)*					
Bis (2-Ethylhexl) Pthalate	6	NE	6	0.42	3.87
Bis (2-Etylhexl) Adipate	400	NE	400	0.36	ND <0.04
Polychlorinated Biphenyls PCB (ug/L)					
Total PCBs	0.5	NE	0.5	ND	ND
Extractable Total Petroleum Hydrocarbons (ETPH) (ug/L)					
Total ETPH	0.5	NE	0.5	ND <50	NA
Basic Potability					
Total Coliform (Presence/Absence)	NE	NE	NE	Absent	NA
Chloride (mg/L)	NE	250	250	29	NA
Nitrate (mg/L as N)	10.0	NE	10	0.10	NA
Nitrite (mg/L as N)	1.0	NE	1	ND <0.05	NA

Notes:

Values bolded and shaded exceed applicable standards

** Only detected compounds are shown in this table

NE - No Established Criteria

ND - Not Detected

NA - Not Analyzed

ug/L - micrograms per liter

mg/L - milligrams per liter

Table 7
Summary of Quality Control/Quality Assurance Data
Phase II Sampling
13 Watrous Street
East Hampton, CT

Parameter	Groundwater Sampling Activities			Soil Sampling Activities			
	Field Blank 8/6/05	Equipment Blank 8/4/05	Trip Blank 8/3/05	Trip Blank 7/24/05	Trip Blank 7/22/05	Equipment Blank 7/22/05	Field Blank 7/22/05
Total Metals (ug/L)							
Antimony		ND <6.0				ND <6.0	
Arsenic		ND <10.0				ND <10.0	
Beryllium		ND <1.0				ND <1.0	
Cadmium		ND <1.0				ND <1.0	
Chromium		ND <5.0				ND <5.0	
Copper		ND <10.0				ND <10.0	
Lead		ND <5.0				ND <5.0	
Nickel		ND <10.0				ND <10.0	
Mercury		ND <0.2				ND <0.2	
Selenium		ND <10.0				ND <10.0	
Silver		ND <5				ND <5	
Thallium		ND <10.0				ND <10.0	
Zinc		76				54	
Extractable Petroleum Hydrocarbons (CTETPH) (mg/L)		0.50				0.46	
Volatile Organic Compounds (ug/L)*							
Chloromethane	ND <2.0	1	ND <2.0	ND <2.0	ND <2.0	2	ND <2.0
Semi Volatile Organic Compounds (ug/L)*							
Bis (2-ethylhexyl) pthalate		70				13	

Notes:

Values bolded and shaded exceed applicable standards

* - Only detected compounds are shown in this table.

NE - No Established Criteria

ND - Not Detected

NA - Not Analyzed

RSR - Remediation Standard Regulation

GWPC - Groundwater Protection Criteria

SWPC - Surface Water Protection Criteria

RES VC - Residential Volatilization Criteria

I/C VC - Industrial / Commercial Volatilization Criteria

SU - Standard Units

umhos/cm - microsiemens per centimeter

ug/L - micrograms per liter or parts per billion

Table 8
Sample Delivery and Laboratory Quality Control and Assurance Information
Phase II ESA
13 Watrous Street
East Hampton, CT

Laboratory Sample ID	Sample ID	Analysis Performed									Sample Delivery and Laboratory Receipt						Laboratory Analysis			Comments
		Matrix	CTETPH	VOCs	PP-13 Metals (Mass)	PP-13 Metals (SPLP)	PAHs (Mass)	PCBs	Cyanide (Total)	PAHs(SPLP)	Chain of Custody Present and Accurate	Receipt Temperature	Samples Received Intact	Correct Containers	Holding Times Met	Correct Preservation	Samples Diluted	Laboratory QA/QC within Standards	Reporting Limits Below Applicable RSRs	
22899-1	B-2 WS 1-2	S	X	X			X			Y	11.8c/12.4c	Y	Y	Y	Y				The request for Mercury analysis was made after the holding time for the TCLP extraction had expired. The client requested that the analysis continue.	
228994-2	B-11 WS 0-2	S			X		X	X		Y	11.8c/12.4c	Y	Y	Y	Y				The request for PAH analysis was made after the holding time for the TCLP extraction had expired. The client requested that the analysis continue.	
228011-1	B-7 WS 3-4	S	X							Y	12.4c	Y	Y	Y	Y					
228011-2	B-8 WS 4-5	S								Y	12.4c	Y	Y	Y	Y					
228011-3	B-9 WS 2-4	S	X		X		X			Y	12.4c	Y	Y	Y	Y	Yes, See comment			1. For method 8270, 3,3-dichlorobenzidine was out high at 132%. Samples are ND for this compound. 2. For method 8270, samples were run at dilutions, due to internal standard failures affecting target compounds. No internal standard issues with the dilutions. 3. For method 8270, samples were analyzed at dilutions and due to the dilutions the extraction surrogates were diluted out.	
228011-4	B-10 WS 4-5	S	X		X		X			Y	12.4c	Y	Y	Y	Y	Yes, See comment			1. For method 8270, 3,3 -dichlorobenzidine was out high at 132%. Samples are ND for this compound. 2. For method 8270, samples were run at dilutions, due to internal standard failures affecting target compounds. No internal standard issues with the dilutions. 3. For method 8270, samples were analyzed at dilutions and due to the dilutions the extraction surrogates were diluted out.	
228011-5	B-11 WS 0-2	S	X		X		X			Y	12.4c	Y	Y	Y	Y	Yes, See comment			1. For method 8270, samples were run at dilutions, due to internal standard failures affecting target compounds. No internal standard issues with the dilutions. 2. For method 8270, samples were analyzed at dilutions and due to the dilutions the extraction surrogates were diluted out. 3. For method 8270, the internal standard, perylene-d12, recovered low. No target compounds were affected. 4. Due to exceeding Aroclor concentration, sample 228011-5 was run at a 10x dilution, all surrogates are diluted out.	

Table 8 (continued)
Sample Delivery and Laboratory Quality Control and Assurance Information
Phase II ESA
13 Watrous Street
East Hampton, CT

Laboratory Sample ID	Sample ID	Analysis Performed									Sample Delivery and Laboratory Receipt						Laboratory Analysis			Comments
		Matrix	CTETPH	VOCs	PP-13 Metals (Mass)	PP-13 Metals (SPLP)	PAHs (Mass)	PCBs	Cyanide (Total)	PAHs(SPLP)	Chain of Custody Present and Accurate	Receipt Temperature	Samples Received Intact	Correct Containers	Holding Times Met	Correct Preservation	Samples Diluted	Laboratory QA/QC within Standards	Reporting Limits Below Applicable RSRs	
228011-6	B-12 WS 3-4	S	X		X			X			Y	12.4c	Y	Y	Y	Y	Yes, See comment			1. For method 8270, pyrene was out high at 146% in the opening standard. Samples are ND for this compound. 2. For method 8270, samples were analyzed at dilutions and due to the dilutions the extraction surrogates were diluted out.
228011-7	B-13 WS 3-4	S	X		X			X			Y	12.4c	Y	Y	Y	Y	Yes, See comment			1. For method 8270, pyrene was out high at 146% in the opening standard. Samples are ND for this compound. 2. For method 8270, samples were run at dilutions, due to internal standard failures affecting target compounds. No internal standard issues with the dilutions. 2. The Internal standards, chrysene-d12 and perlene-d12, recovered low. No target compounds were affected. Sample was run at 5x dilution due to matrix. Sample was very dark and oily. Extraction surrogate, 2,4,6-tribromophenol failed low at 19%. (%R was greater than 10%R-per SOP/MCP-reportable.)
228011-8	B-14 WS 4-5	S	X		X			X			Y	12.4c	Y	Y	Y	Y	Yes, See comment			1. For method 8270, 3,3-dichlorobenzidine was out high at 132%. Samples are ND for this compound. 2. For method 8270, samples were run at dilutions, due to internal standard failures affecting target compounds. No internal standard issues with the dilutions.
228011-9	B-15 WS 2-3	S	X		X			X			Y	12.4c	Y		Y	Y	Yes, See comment			1. For method 8270, 3,3-dichlorobenzidine was out high at 132%. Samples are ND for this compound. 2. For method 8270, samples were run at dilutions, due to internal standard failures affecting target compounds. No internal standard issues with the dilutions. 3. For method 8270, the internal standard, perylene-d12, recovered low. No target compounds were affected.
228011-10	B-16 WS 2-4	S	X		X			X			Y	12.4c	Y	Y	Y	Y				
228011-11	B-17 WS 6-7	S	X		X			X			Y	12.4c	Y	Y	Y	Y				For method 8270, pyrene was out high at 146% in the opening standard. Samples are ND for this compound.
228011-12	Oil-1		X	X							Y	12.4c	Y	Y	Y	Y				
228011-14	B-8 WS 4-5	S	X		X						Y	12.4c	Y	Y	Y	Y				
228011-15	B-15 WS 2-3	S	X		X			X			Y	12.4c	Y	Y	Y	Y				

Table 8 (continued)
Sample Delivery and Laboratory Quality Control and Assurance Information

Phase II ESA
 13 Watrous Street
 East Hampton, CT

Laboratory Sample ID	Sample ID	Analysis Performed									Sample Delivery and Laboratory Receipt						Laboratory Analysis			Comments
		Matrix	CTETPH	VOCs	PP-13 Metals (Mass)	PP-13 Metals (SPLP)	PAHs (Mass)	PCBs	Cyanide (Total)	PAHs(SPLP)	Chain of Custody Present and Accurate	Receipt Temperature	Samples Received Intact	Correct Containers	Holding Times Met	Correct Preservation	Samples Diluted	Laboratory QA/QC within Standards	Reporting Limits Below Applicable RSRs	
227985-1	B-1 WS 1-2	S	X		X			X			Y	11.8c	Y	Y	Y	Y				For method SW84 68270C, Pyrene recovered high and outside method control limits in the opening standard. Results for this compound on these samples are non-detected and would be biased high.
227985-2	B-2 WS 1-2	S	X		X			X			Y	11.8c	Y	Y	Y	Y				For method SW84 68270C, Pyrene recovered high and outside method control limits in the opening standard. Results for this compound on these samples are non-detected and would be biased high.
227985-3	B-3 WS 1-2	S	X					X			Y	11.8c	Y	Y	Y	Y				For method SW84 68270C, Pyrene recovered high and outside method control limits in the opening standard. Results for this compound on these samples are non-detected and would be biased high.
227985-4	Trip Blank 7/24	LW		X							Y	11.8c	Y	Y	Y	Y				
227985-5	B-1D WS 1-2	S	X					X			Y	11.8c	Y	Y	Y	Y				For method SW84 68270C, Pyrene recovered high and outside method control limits in the opening standard. Results for this compound on these samples are non-detected and would be biased high.
227985-6	Field Blank 7/24	LW		X							Y	11.8c	Y	Y	Y	Y				
227985-7	Equipment Blank 7/24	LW		X							Y	11.8c	Y	Y	Y	Y				
227985-8	B-3 WS 1-2	S									Y	11.8c	Y	Y	Y	Y				
227985-9	B-1 WS 1-2	S			X						Y	11.8c	Y	Y	Y	Y				
228031-1	B-4 WS 4-6	S	X								Y	12.4c	Y	Y	Y	Y				
228031-2	B-5 WS 2-3	S		X							Y	12.4c	Y	Y	Y	Y				
228031-3	B-6 WS 2-3	S	X			X					Y	12.4c	Y	Y	Y	Y				
228031-4	B-19 WS 3-4	S		X		X					Y	12.4c	Y	Y	Y	Y				
228031-5	Trip Blank	S		X							Y	12.4c	Y	Y	Y	Y				
228281-1	WS Sed-1	SED	X	X		X					Y	12.6c	Y	Y	Y	Y	Yes, See comment			For method CT ETPH, the sample was analyzed at a 50x dilution due to high concentration. Consequently, the surrogate o-Terphenyl was diluted outside method control limits

Table 8 (continued)
Sample Delivery and Laboratory Quality Control and Assurance Information
Phase II ESA
13 Watrous Street
East Hampton, CT

Laboratory Sample ID	Sample ID	Analysis Performed									Sample Delivery and Laboratory Receipt					Laboratory Analysis			Comments	
		Matrix	CTETPH	VOCs	PP-13 Metals (Mass)	PP-13 Metals (SPLP)	PAHs (Mass)	PCBs	Cyanide (Total)	PAHs(SPLP)	Chain of Custody Present and Accurate	Receipt Temperature	Samples Received Intact	Correct Containers	Holding Times Met	Correct Preservation	Samples Diluted	Laboratory QA/QC within Standards		Reporting Limits Below Applicable RSRs
228195-1	WS MW-1	GW	X	X		X					Y	12.8c	Y	Y	Y	Y				
228195-2	WS MW-2	GW	X	X		X					Y	12.8c	Y	Y	Y	Y				
228195-3	WS MW-3	GW	X	X		X					Y	12.8c	Y	Y	Y	Y				
228195-4	Field Blank 8/6/05	LW		X							Y	12.8c	Y	Y	Y	Y				No sample collection time was listed on the Chain of Custody. A default collection time of 12:00 has been entered into this report for laboratory tracking purposes only.
228195-5	Equipment Blank 8/6/05	LW		X							Y	12.8c	Y	Y	Y	Y				1. No sample collection time was listed on the Chain of Custody. A default collection time of 12:00 has been entered into this report for laboratory tracking purposes only. 2. For method SW846 8270C, the surrogate phenol d-5 recovered below method control limits (14%.) Per method, re-extraction is only required if two or more surrogates from any one fraction or any single surrogate falls below 10%.
228195-6	Trip Blank 8/6/05	LW		X							Y	12.8c	Y	Y	Y	Y				No sample collection time was listed on the Chain of Custody. A default collection time of 12:00 has been entered into this report for laboratory tracking purposes only.

Table 9
Conceptual Site Model
Phase II ESA
13 Watrous Street
East Hampton, CT

AOC	Description	Release			Release Mechanism	Migration Pathway	COCs and Affected Media			Exposure Pathway			Potential Receptors	Status				Comments	
		Yes	No	Not Enough Data			Unsaturated Soils	Saturated Soils	Groundwater	Volatilization	Ingestion/ Dermal Contact	Discharge to Surface Water		Remediation Performed	Remediation Required	Additional Investigation Required	No Additional Work		
1	Floor Drain	X			Spills and chemical releases during industrial and automotive activities	The floor drain may provide a conduit to a direct discharge to surface water or groundwater.	VOCs (TCE, toluene, benzene, and PCE), ETPH				X	X	X	Surface Water, residential drinking wells			X		The direction and discharge point for the drain is unknown. Grab sample, SED-1, was taken from sediment at the entrance of the drain pipe.
2	Former AST Storage Area		X														X		
3	Hydraulic Lift			X													X		Boring adjacent to hydraulic lift was not installed due to lack of access.
4	Former Coal Pocket	X				Vertical migration to the water table, then horizontally with groundwater.	Metals (copper, lead, antimony, and zinc)					X	X	Surface Water, residential drinking wells		X	X		
5	Stained Interior Floor Area	X				Vertical migration to the water table, then horizontally with groundwater.	ETPH and VOCs (TCE and PCE)		TCE and PCE		X	X	X	Surface Water, residential drinking wells		X	X		
6	Stained Exterior Locations	X				Vertical migration to the water table, then horizontally with groundwater or transport through overland flow at the ground surface.	ETPH, VOCs (TCE and PCE), PCBs, and PAHs		TCE and PCE		X	X	X	Surface Water, residential drinking wells		X	X		
7	Stained Areas in Temporary Storage Locations	X				Vertical migration to the water table, then horizontally with groundwater.	VOCs (TCE, PCE, toluene, and xylenes)		TCE and PCE		X	X	X	Surface Water, residential drinking wells		X	X		The original boring location to access the temporary location was moved. The lack of interior borings prevents the determination if a release has occurred.

Notes:

COCs - Constituents of Concern
ETPH - Extractable Total Petroleum Hydrocarbons
PAHs - Polycyclic Aromatic Hydrocarbons
PCBs - Polychlorinated Biphenyls
UST - Underground Storage Tank

