



Customer-Focused Solutions

**PHASE II
ENVIRONMENTAL SITE ASSESSMENT
WASTE WATER TREATMENT FACILITY
RIVER ROAD
MIDDLETOWN, CONNECTICUT**

Prepared for:

City of Middletown

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April 2002

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- A Phase I Site Assessment
- B Soil Boring Logs
- C Laboratory Analytical Data

1.0 INTRODUCTION

1.1 Objective

TRC performed a Phase II environmental site assessment at the Middletown Waste Water Treatment Facility (WWTF), located on River Road in Middletown, Connecticut. This Phase II environmental site assessment was conducted to determine the following objectives.

- Determine whether there are any conditions that require reporting to the Connecticut Department of Environmental Protection (CT DEP).
- Evaluate the need for additional investigation and cleanup.
- Identify environmental issues that could affect site development.

1.2 Background

Figure 1-1 shows the location of the subject site in Middletown, CT. Figure 1-2 also shows the site location, but at a closer scale, so as to show the site and a neighboring study site. The specifics of the WWTF site (the features of the site and the layout of the property) are shown in Figure 1-3, a site plan. The City of Middletown currently owns the property. Prior to its development as a municipal wastewater treatment facility, the Site was vacant undeveloped land.

The subject property is approximately 3.51 acres in size and consists of one parcel on River Road in Middletown, Connecticut. The site is located in an area of industrial and commercial land use and the parcel is listed in the City of Middletown Assessor's Office on Map 34 (Block 24-4, Lot 2A). The site is bounded by Peterson Oil to the north, River Road to the west, the Connecticut River to the east and wooded properties to the south. Across River Road from the subject site to the west is the Marino property.

The facility was built in 1971 and is presently supplied by municipal water, gas, and electricity. On-site are two primary settling tanks and two secondary settling tanks, aeration tanks, and one clarifier.

In February 2000, TRC completed a review of available background information for the site and a visual inspection of the buildings and grounds. The findings of this research are summarized in a Phase I Environmental Site Assessment for the City of Middletown (see Appendix A). As a part of these activities, TRC conducted a database search of USEPA and State records in order to identify whether the site or surrounding properties have a history that would indicate potential environmental issues. The database report indicated that the site is not listed in any of the databases reviewed.

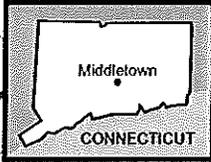
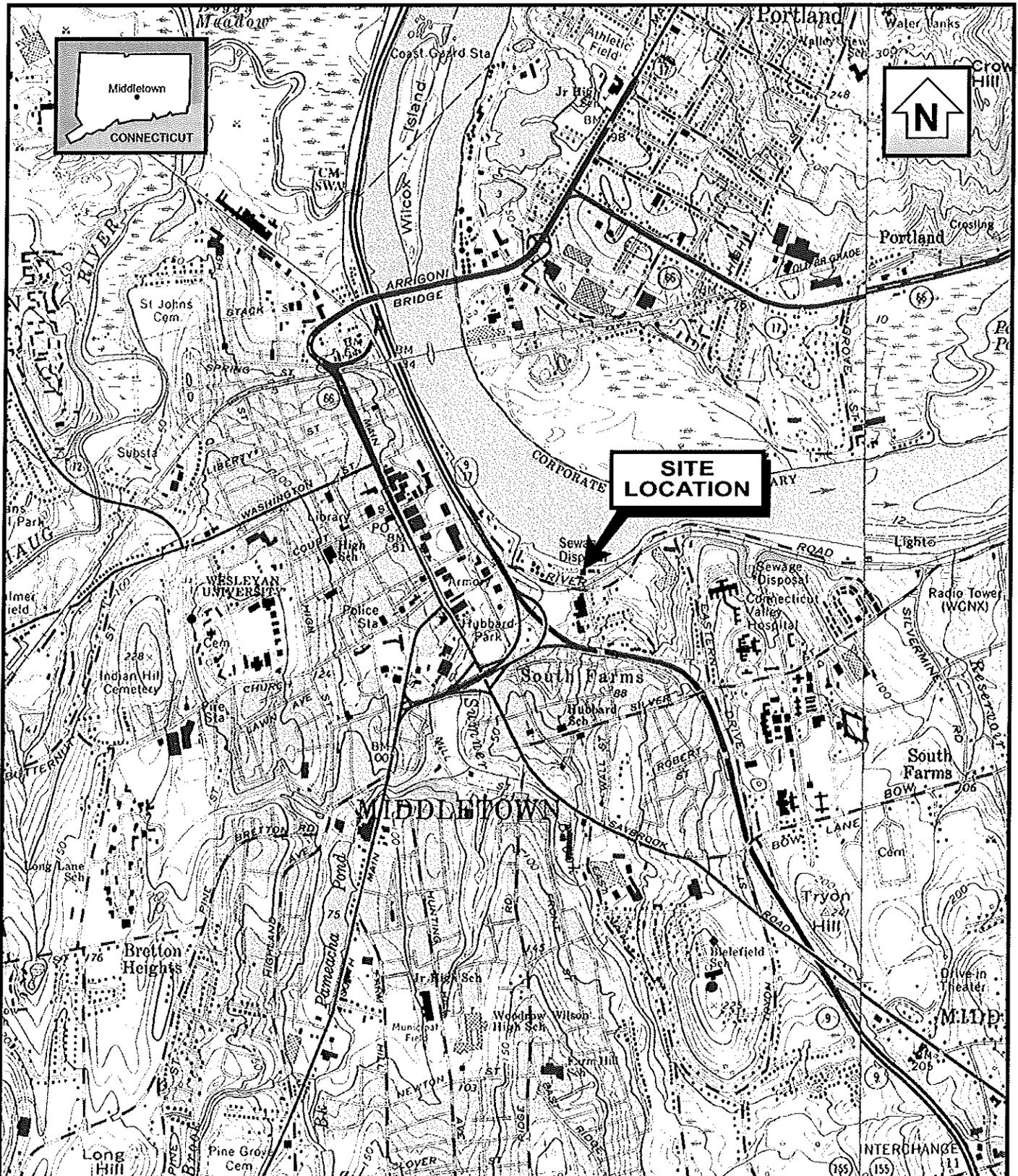
TRC performed a site inspection of the facility on February 19, 2000 and identified the following relevant issues:

- One (1) 55 gallon drum full of unknown material was observed to be located on the northeast side of the northern-most WWTF building.
- According to Guy Russo, site contact, one (1) 10,000 gallon underground storage tank, awaiting removal as of the date of the site visit, was located at the northeast corner of the northern-most WWTF building.
- Floor tiles observed in the office area of the WWTF building are potential asbestos-containing material (ACM).
- According to Mr. Russo, one (1) 1,000 gallon underground storage tank located on the west side of the southernmost building at the WWTF has been emptied and abandoned and was awaiting removal as of the date of the site visit.
- According to Mr. Russo, a spill of oil containing PCBs occurred under the transformers located on the western side of the southern-most building of the WWTF. Mr. Russo was not aware of any cleanup measures executed at the spill site.
- Based on historic aerial photographs and an interview with Guy Russo, it has been determined that the site was originally a wetland area. At least fifteen feet of fill of unknown origin was brought onto the site prior to the construction of the WWTF.

Off-site relevant items have been identified based upon site visits and knowledge of additional environmental work being conducted on properties in the vicinity of the WWTF. These items are as follows:

- The former Peterson Oil Company is located immediately adjacent to, and cross to up-gradient of the WWTF. As indicated by previous environmental investigations as well as work completed by TRC at the Peterson site, it appears that environmental conditions at the Peterson property have impacted environmental conditions at the WWTF. (Additional details regarding the Peterson site may be found in a report entitled *Phase III Environmental Site Assessment; Peterson Oil Company; River Road; Middletown, Connecticut*, issued by TRC in April 2002.)
- The Marino site, home to a former rubber and artificial leather manufacturer, is located across the street to the south of the WWTF. Historical information, as reported by the USEPA (May 2000) indicated that there was a municipal landfill located to the west of the Marino site, from which some wastes were

moved onto the Marino property during road construction in the 1950s. This site is a potential upgradient source of contamination to the WWTF property.



SITE LOCATION



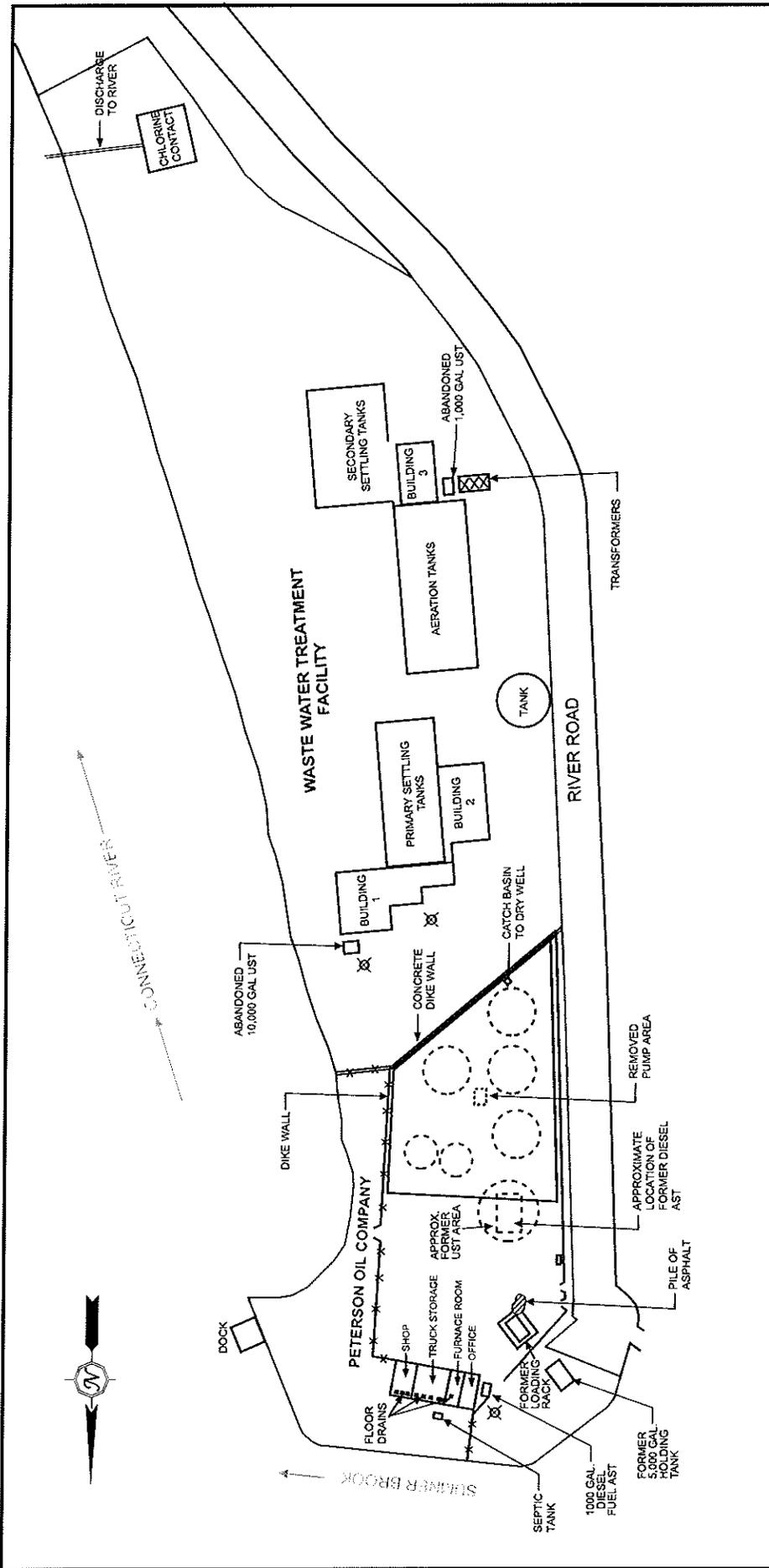
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**CITY OF MIDDLETOWN
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**FIGURE 1-1
SITE LOCATION MAP**

Date: 01/01 Project No. 25863-0020

BASE CREATED WITH TOPO™ © 1996 WILDFLOWERS PRODUCTIONS, www.topo.com
MIDDLETOWN AND MIDDLE HADDAM, CT - 7.5' USGS TOPOGRAPHIC MAPS



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FORMER PETERSON OIL COMPANY
WASTE WATER TREATMENT FACILITY
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FIGURE 1-2
SITE LOCATION MAP CLOSE-UP

Date: 01/01 | Project No. 25863-0020

LEGEND

- ⊗ UNLABELED 55-GALLON DRUM
- APPROXIMATE FORMER AST LOCATION

NOT TO SCALE

2.0 PHASE II INVESTIGATION TECHNICAL APPROACH

All work performed for this Phase II was completed in accordance with the EPA approved Quality Assurance Project Plan (QAPjP), except as noted below.

2.1 Soil and Ground Water Sampling Program

A Phase II Environmental Investigation was implemented on the subject site in July and August 2000. Soil borings and monitoring wells were advanced on-site as outlined in the initial sampling design. The locations for all samples were determined based on the interpreted direction of ground water flow and the location of suspect on-site contaminant sources.

The investigation consisted of the drilling of ten soil borings on the site using hollow-stem auger and direct-push drilling methods. Soil samples, including one duplicate soil sample, were collected for laboratory analysis from each boring location. Soil samples were screened in the field using a photo-ionization detector (PID) to evaluate the presence of VOC contaminants in the soil column. Figure 2-1 presents the locations where soil borings were advanced and Table 2-1 presents a list of samples collected as well as the chemical analyses performed on each sample.

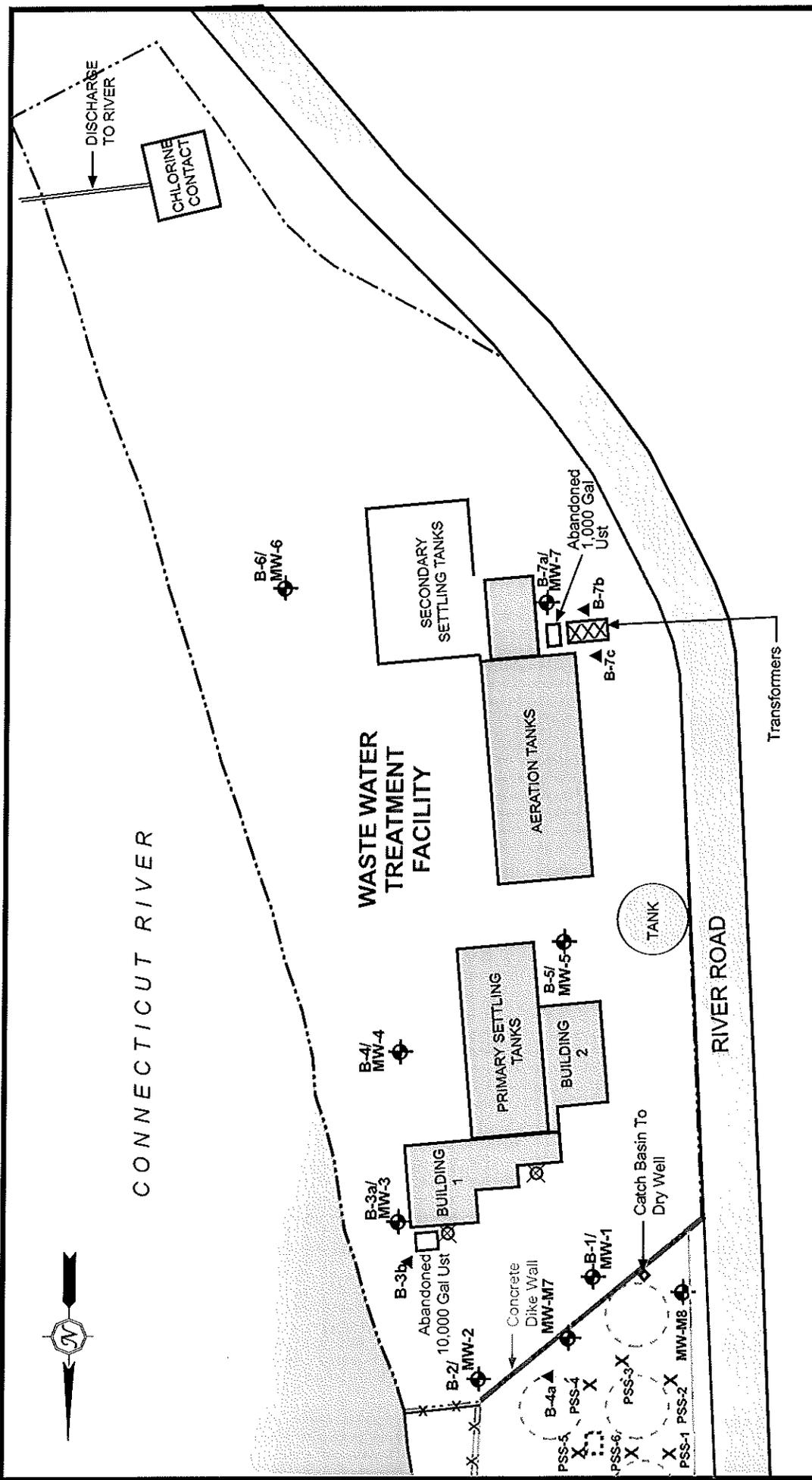
Ground water monitoring wells were subsequently installed at six of the soil boring locations. Figure 2-1 presents the locations where ground water monitoring wells were installed. Each well was constructed using 2-inch diameter schedule 40 PVC casing with 0.010-slot sized well screen material. A 10-foot section of screen was installed at the appropriate depth to intersect the surface of the water table. Each well was finished with a flush-mounted steel protective cover and a locking well cap.

After installation, each well was developed by pumping until the discharge was no longer turbid. The monitoring wells were then allowed to stabilize for a period of three weeks prior to sampling. At this time, a complete round of water level measurements was collected from all of the wells. Upon completion of an elevation survey of the wells, the water level data was used to generate a ground water contour map. The estimated direction of ground water flow on the subject site based on these measurements is depicted on Figure 2-2. Additional ground water elevation information was obtained from monitoring wells at the adjacent Peterson Oil property. Used in conjunction with the elevation calculated from the WWTF site, another ground water contour map indicative of the local ground water flow direction was generated from both study sites are shown on Figure 2-3.

Immediately prior to sampling, each of the wells was purged using a peristaltic pump until pH, temperature and turbidity were stable. Samples were collected directly from the peristaltic pump, outfitted with clean silicone and Tygon tubing. Ground water samples were placed directly into the appropriate containers for laboratory analysis. Table 2-1 presents a list of samples collected as well as the chemical analyses performed on each ground water sample.

2.2 Evaluation of the Need for Remediation

TRC analyzed the sampling data together with field observations to determine the need for remediation at the Site. The results of chemical analyses were compared with CT DEP Remediation Standard Regulations (RSRs) to evaluate the need for reporting site conditions to the CT DEP.



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FIGURE 2-1
ENVIRONMENTAL SAMPLING LOCATIONS

Date: 01/01 Project No. 25863-0020

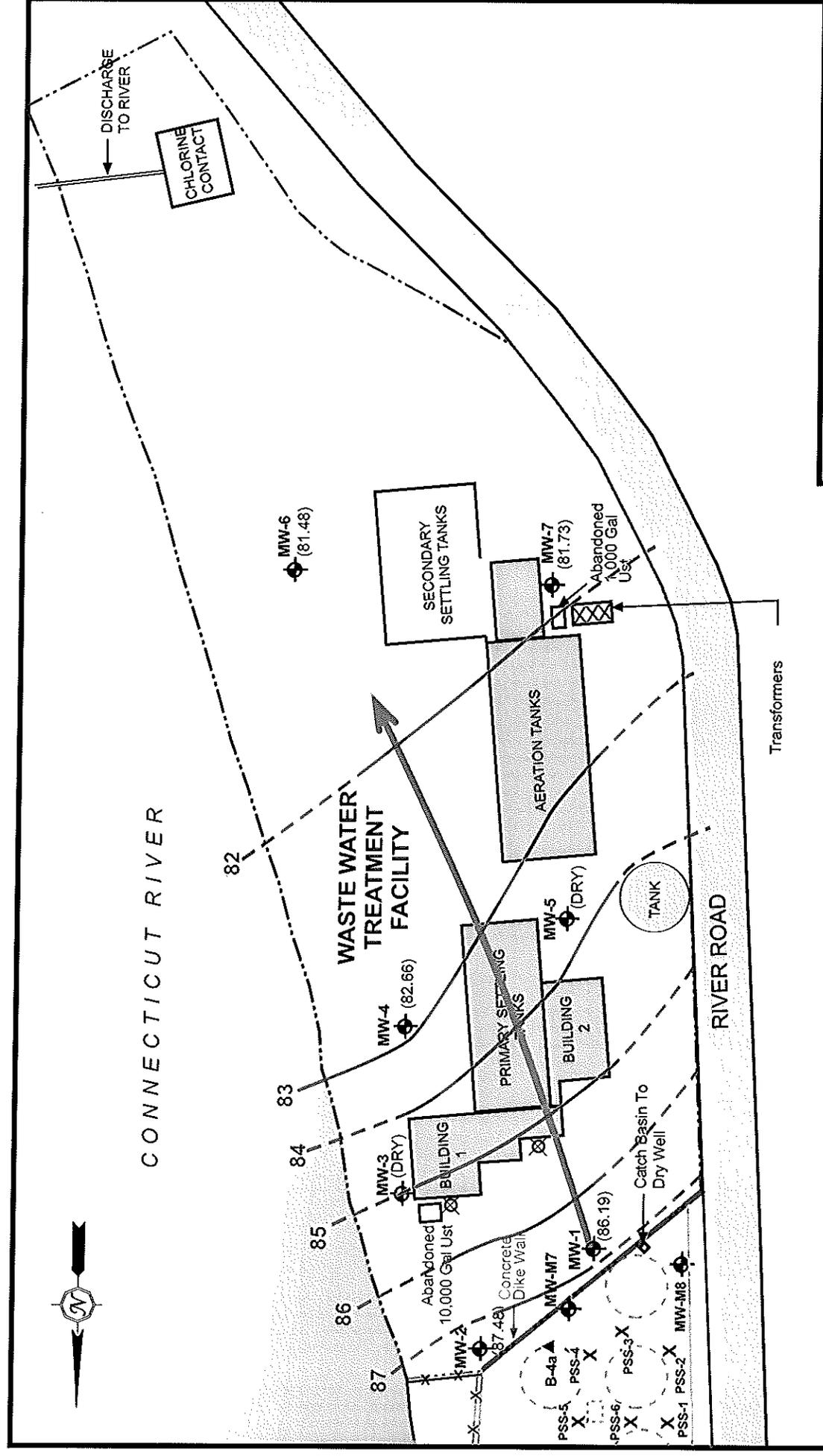
LEGEND

- B-1b ▲ SOIL BORING
- PSS-1 X SURFACE SOIL SAMPLE
- Monitoring Well (Installed by TRC) MW-1
- Monitoring Well (Installed by Marin) MW-M8
- Unlabeled 55-gallon Drum
- Approximate Former Location

NOTE: DRAWING NOT TO SCALE

Table 2-1 – Summary of Samples Collected and Chemical Analytical Parameters

Sample Location	Sample Depth (ft) / Notes	TPH	VOCs	SVOCs	RCRA 8 Metals	PCBs
		Method CTETPH – Rev. 0	Method 5035/8260B for soils and 8260B for water	Method 8270	Method 1312/6010B or 7471A (SPLP for soils) and 6010B or 7471A for water	Method 8082
B-1	6-8	√	√	√	√	
B-2	11-13	√	√	√	√	
B-3a	11-13	√	√	√	√	
B-3b	12-14	√		√		
B-4	12-14		√	√	√	
B-5	7-9		√	√	√	
B-6	10-14		√	√	√	
B-7a	17-20	√	√	√	√	√
B-8a	Dupl. of B-7a	√	√	√	√	√
B-7b	12.75-13	√		√		√
B-7c	16.5-19	√		√		√
MW-1	Not sampled due to thin product layer in well					
MW-2	-		√		√	
MW-3a	Not sampled – dry on the date of sampling					
MW-4	-		√		√	
MW-5	Not sampled – dry on the date of sampling					
MW-6	-		√		√	
MW-7	-	√	√	√	√	
MW-8	Dupl. of MW-7	√	√	√	√	



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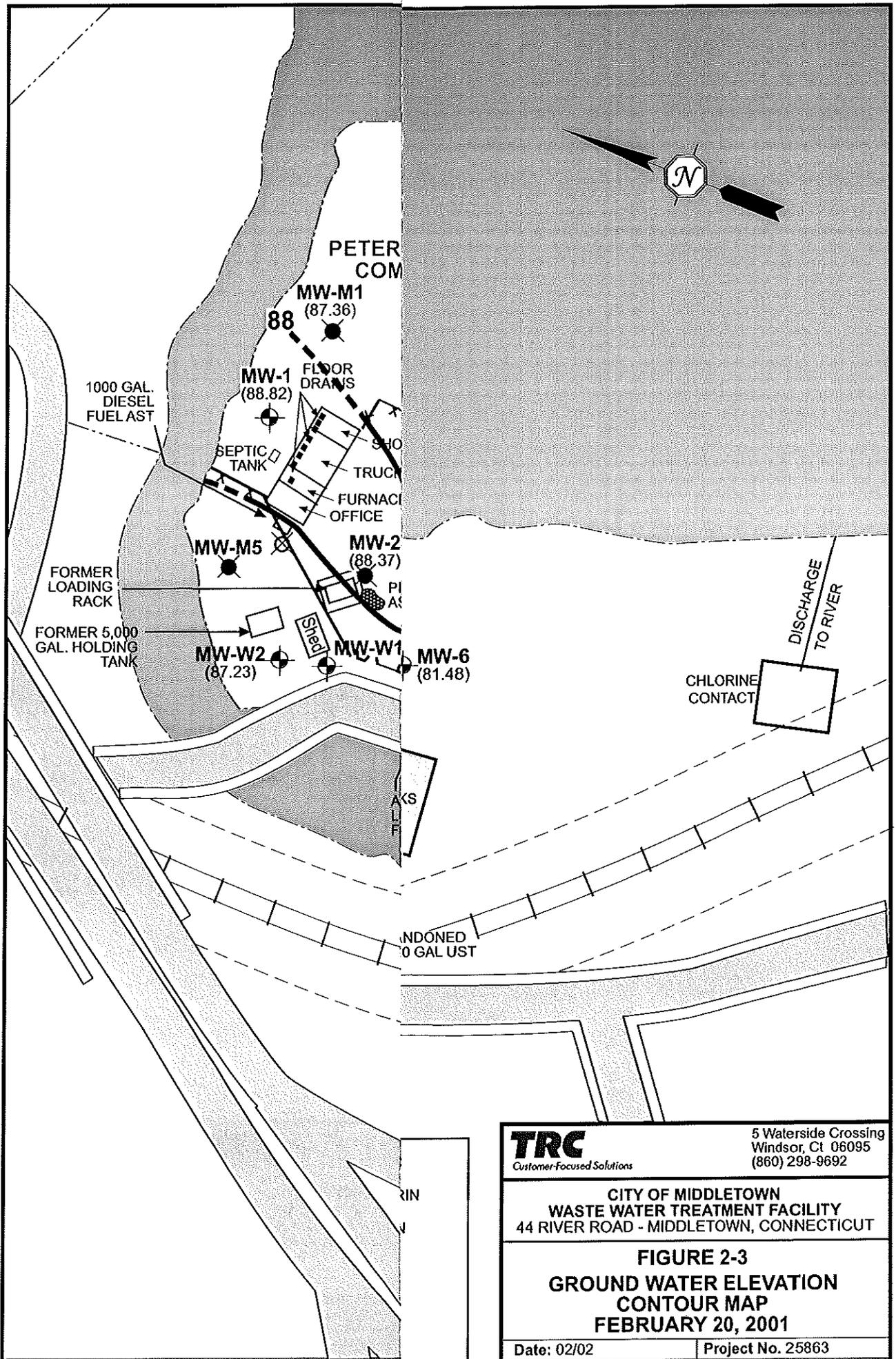
FIGURE 2-2
GROUND WATER ELEVATION CONTOUR
MAP (WWTF) - FEBRUARY 20, 2001

Date: 02/02 Project No. 25863-0020

LEGEND

- MONITORING WELL
- MW-1 (INSTALLED BY TRC)
- MW-M8 (INSTALLED BY MARIN)
- APPROXIMATE DIRECTION OF GROUND WATER FLOW
- UNLABELED 55-GALLON DRUM
- APPROXIMATE FORMER AST LOCATION

NOTE: DRAWING NOT TO SCALE



3.0 RESULTS OF INVESTIGATION

3.1 Subsurface Conditions

The soil conditions on site consist primarily of brown, fine to coarse sand, with little to some gravel, little silt, and little clay which is typical of river alluvium. The water table was encountered between 8 and 14 feet below grade in all of the borings and the groundwater flow direction appears to be to the southeast (toward the Connecticut River). Petroleum odors were noted in the soil at sampling locations B-1, B-2 (immediately adjacent to the former Peterson Oil Company site) and B-7a (in the vicinity of an abandoned UST). These odors were substantiated by OVA readings that were increased relative to background levels and readings collected from other borings across the site. A layer of petroleum product was observed on the water table at well MW-1. Appendix B contains copies of the soil boring logs, which include not only the geologic information logged in the field, but also a summary of observations and OVA readings recorded for each location.

3.2 Nature and Extent of Contamination

Appendix C contains copies of the laboratory reports of chemical analyses conducted on the soil samples collected at the WWTF site.

3.2.1 Soil

Table 3-1 presents a summary of the chemical analyses of soil samples collected at the Site. Included as part of this table are criteria against which the reported concentrations are compared. In particular, the Connecticut RSR Residential Direct Exposure Criteria (RDEC) are cited for which to compare the laboratory reported concentrations. The RSR GB Pollutant Mobility Criteria (GB PMC) is cited for comparison to the concentrations reported for all analyses (total organics analyses and RCRA 8 Metals analysis, which was completed by the SPLP). Note that this table lists only those analytes that were detected in the samples.

Extractable Total Petroleum Hydrocarbons (ETPH): ETPH was detected in each of the samples submitted for this analysis, but in only one sample (B-1) at a concentration above the applicable criteria. The ETPH concentration detected in soil sample B-1 was reported to be 1,900 parts per million (ppm), which exceeds the Connecticut Residential Direct Exposure Criteria (RDEC) of 500 ppm, but not the GB PMC of 2,500 ppm.

Volatile Organic Compounds (VOCs): Low to moderate concentrations of VOCs were detected in each of the samples submitted for VOC analysis. In particular, the majority of VOCs were detected in the soil sample collected from sample location B-1, located adjacent to the Peterson Oil property line. The concentrations of VOCs reported for soil sample B-1 ranged from 150 parts per billion (ppb) (xylenes) to 7,900 ppb (naphthalene). Several samples exhibited low concentrations of methylene chloride and acetone, common laboratory contaminants. None of the concentrations of VOCs reported by the laboratory for any of the soil samples exceeded the RDEC or the GB PMC.

Semivolatile Organic Compounds (SVOCs): Moderate to high SVOC concentrations (830 ppb to 14,000 ppb) were detected in sample B-1, but at concentrations less than the RDEC. One constituent, 2-methylnaphthalene, was detected at a concentration of 14,000 ppb in sample B-1. This exceeds the GB PMC of 9,800 ppb for that constituent. Of the samples submitted for SVOC analysis, only one other sample, B-8a (a duplicate of B-7a – collected near a former UST), exhibited the presence of SVOCs. Phenanthrene was detected in B-8a at a concentration of 14,000 ppb which is less than the RDEC for that compound, but greater than the GB PMC of 11,000 ppb.

Polychlorinated Biphenyls (PCBs): Soil samples from three locations around the on-site transformers were collected for PCB analysis. PCBs (specifically Aroclor 1260) were detected all three soil samples from borings B-7a, B-7b and B-7c. PCBs were also detected in the duplicate of B-7a, named B-8a. Reported concentrations ranged from 61 ppb to 180 ppb. None of the PCB concentrations reported were above the RDEC level of 1,000 ppb, but all were above the GB PMC of 5 ppb.

Metals: Metals were detected in each of the soil samples submitted for SPLP RCRA 8 Metals analysis. As indicated in Table 3-1, arsenic, barium, cadmium, chromium, lead, mercury, and silver were detected in site soils. None of the metals were detected at concentrations above the GB PMC.

3.2.2 Groundwater

Table 3-2 presents a summary of the chemical analyses of groundwater samples collected at the Site, along with the applicable criteria with which to compare reported concentrations. These criteria include the RSR Volatilization Criteria (VC) and the Surface Water Protection Criteria (SWPC). Note that these tables only list those analytes that were detected in the samples. Also note that well MW-1 was not sampled due to the presence of petroleum product in the well on the date of sampling. Wells MW-3 and MW-5 were not sampled, as they were both dry on the date of sampling.

Extractable Total Petroleum Hydrocarbons (ETPH): Low levels of ETPH were detected in ground water samples collected from MW-7 (0.68 ppm) and its duplicate, MW-8 (0.67 ppm). There are no VC or SWP criteria currently established under the RSRs for ETPH.

Volatile Organic Compounds (VOCs): Low concentrations of VOCs were detected in ground water from MW-2. There are no VC or SWP criteria currently established under the RSRs for the compounds detected (isopropylbenzene, n-propylbenzene, sec-butylbenzene, and 1,2,4-trimethylbenzene). VOCs were not detected in the ground water collected from wells MW-4, MW-6, and MW-7 (or its duplicate MW-8).

Polychlorinated Biphenyls (PCBs): Ground water from MW-7 and the duplicate (MW-8) was analyzed for PCBs, based on the proximity to the on-site transformers. No PCBs were detected in these groundwater samples.

Metals: Several metals (arsenic, barium, cadmium, chromium, lead, mercury, and silver) were detected in ground water collected from each of the wells sampled. Concentrations of arsenic reported for wells MW-2 (22.4 ppb), MW-6 (4.6 ppb), and MW-7 (17.1 ppb) exceed the SWPC of 4 ppb. The cadmium concentration of 16.4 ppb reported for sample MW-7 exceeds the SWPC of 6 ppb. Lead levels detected in each of the wells sampled ranged from 17 ppb to 214 ppb. All of these concentrations exceed the SWPC of 13 ppb.

3.3 Data Usability

TRC conducted a review of the data and found no notable problems that would have affected the quality of the data. The following summarizes the QA/QC parameters and any applicable relevant concerns.

Sampling Design – Soil borings were advanced and ground water monitoring wells were installed at locations on the site as defined in the QAPjP. The QAPjP called for the advancement of borings using a hollow stem auger rig. This type of rig was utilized where possible, however heavy rains at the time of the field program caused site conditions and overall accessibility to sampling locations to change. A direct-push rig and/or track-mounted rig were utilized where necessary in order to complete the tasks outlined in the QAPjP. Five-foot sleeves were used to collect soil samples from borings where the direct-push rig was used (in lieu of two-foot-long split spoons).

Geologic conditions and temporal conditions led to the installation of two wells (MW-3 and MW-5) at the WWTF site which were dry. As mentioned above, heavy rains fell at the time of the field program which led to a misinterpretation of where the true water table surface was located. Field personnel observed moist to wet soils at the time of drilling at particular intervals and set the well screen based upon these observations. The true water table was later found to be lower than the bottom of the well screen.

Sampling and Analytical Methods – All soil samples were subjected to the analytical methods specified in the QAPjP. Each ground water sample collected was subjected to the analyses as specified in the QAPjP. It should be noted that three monitoring wells at the WWTF (MW-1, MW-3, and MW-5) were not sampled due to the following reasons. There was a thin product layer in well MW-1 on the date of sampling, which led to the decision not to sample the well at that time. Wells MW-3 and MW-5 were dry on the date of sampling and could not be sampled at that time (see Sampling Design above).

Field Equipment – Preventive Maintenance, Calibration and Corrective Action – The OVA and other field equipment that were used on site were calibrated daily as specified in the QAPjP. No corrective action was necessary on any field equipment.

Laboratory Equipment – Preventive Maintenance, Calibration and Corrective Action – Katahdin Analytical Laboratory did not identify any maintenance or calibration problems during the analyses of these samples.

Sampling Handling & Custody – All sample handling requirements were followed as specified in the QAPjP. One cooler did not contain a temperature blank, although the internal temperature of the cooler itself was monitored to be within the temperature tolerance. Other than a temperature blank monitored above the temperature tolerance, but not at a temperature at which sample integrity would be called into question, no sample handling concerns were identified by the laboratory.

Analytical Precision and Accuracy – The QA/QC narrative that fully documents the laboratory's analytical procedures is included in Appendix C. No protocol deviations were noted that would impact the quality of the data. The duplicate soil sample showed reasonable correlation between the two sets of values. The deviations in some of the analyte concentrations are likely due to inherent heterogeneities in the soil samples. The concentrations reported for the initial and duplicate ground water samples also showed reasonable correlation with one another. The largest differences were noted in the results reported for the inorganics analysis.

Field Quality Control – All blanks, duplicates and matrix spike samples were collected and/or analyzed as specified in the QAPjP.

Data Management & Documentation – The field log books were maintained and the equipment decontamination procedures were completed as specified in the QAPjP.

Assessment and Response Actions – No performance or system audits are anticipated at this time. In addition, there is no need for any immediate or long-term corrective action for analytical work.

Data Validation – Approved sampling procedures were used and proper chain-of-custody was maintained. The data package was reviewed and found to be complete. TRC conducted a review of the data and found no notable problems that would have affected the quality of the data.

TABLE 3-1
 SOIL SAMPLE ANALYTICAL RESULTS
 Waste Water Treatment Facility, Middletown, CT
 June 13, 14 & 27, 2000

SAMPLE IDENTIFICATION SAMPLE DEPTH (FT)	DATE												CT OF PWC					
	B-1 6-1-00	B-2 6-1-00	B-3a 10-10	B-3b 12-14	B-4 2-14	B-5 7-15	B-6 10-14	B-7a 17-20	B-7b Dupl. of B-7a	B-7c 12-75-13	B-7d 16-5-15	FE03-600 1203-300		FE03-400 1503-400	FE03-400 1503-400	FE03-700 1503-700	CT Remedial DEC	
ETPH (ppm)	1900	140	15	6.8	NA	NA	NA	100	75	190	94	ND	NA	NA	0.087	NA	500	2,500
VOLATILE ORGANICS (ppb)																		
METHYLENE CHLORIDE	220 J	14 B	13 B	NA	NA	15 B	8 B	8 B	8 B	NA	NA	NA	NA	13 B	NA	17 B	82,000	1,000
ETHYLBENZENE	1000																500,000	10,100
ISOPROPYLBENZENE	840																500,000	132,000
N-PROPYLBENZENE	2000																500,000	14,000
1,3,5-TRIMETHYLBENZENE	2800	6															500,000	70,000
SEC-BUTYLBENZENE	1400																500,000	14,000
P-ISOPROPYLTOLUENE	4300	3 J															NE	14,000
N-BUTYLBENZENE	1600																500,000	14,000
1,2,4-TRIMETHYLBENZENE	7900																500,000	70,000
NAPHTHALENE	430 J	7 J	13		5 J	15		20	23							8 J	1,000,000	56,000
ACETONE																	500,000	140,000
2-BUTANONE																	500,000	80,000
M-P-XYLENE	150 J																500,000	19,500
SEMI-VOLATILE ORGANICS (ppb)																		
NAPHTHALENE	2700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	1,000,000	56,000
2-METHYLNAPHTHALENE	14000																474,000	9,800
ACENAPHTHENE	830																1,000,000	84,000
DIBENZOFURAN	1200																270,000	5,600
FLUORENE	1500																1,000,000	56,000
PHENANTHRENE	3600																1,000,000	40,000
BIS(2-ETHYLHEXYL)PHTHALATE									14000								44,000	11,000
PCBs (ppb)	NA	NA	NA	NA	NA	NA	NA	63 C	61 C	180 C	88 C	NA	NA	NA	NA	1,000		5
PCB-1260																		
INORGANICS - by SPLP (ppb)																		
ARSENIC	2.5 B	2.4 B	436	NA	415	359	363	221	2.2B								N/A	500
BARIIUM	566	454	1.2 B		1.7 B		2.9 B	3.3 B	308								N/A	10,000
CHROMIUM	11.2 B	1.9 B	3.2 B		12.4	2.1	3.9 B	0.02 B	2.6B								N/A	500
LEAD	9.2	6.8	0.04 B		0.02 B	0.04 B	0.02 B	1.7B	1.7B								N/A	150
MERCURY	0.06 B	0.06 B															N/A	20
SILVER									1.2B								N/A	360

NOTES:
 CT Residential DEC = Connecticut Remediation Standard Regulations Residential Direct Exposure Criteria.
 CT GB PWC = Connecticut Remediation Standard Regulation GB Pollutant Mobility Criteria.
 N/A - The analysis conducted for inorganics was not on a mass basis, but rather, by SPLP. The DEC is not applicable to concentrations reported from an SPLP analysis, and as such are not reported in this table.
 NA = Not Analyzed
 ND = Not detected
 J = Indicates that the concentration reported is estimated.
 B (associated with VOC analysis) = The analyte detected was also detected in an associated blank.
 NE = Not Established
 C = Denotes that the identification of the analyte was confirmed by analysis on dissimilar columns.
 B (associated with metals analysis) = A result reported with a "B" qualifier indicates the analyte was detected at a level greater than the instrument detection limit, but less than the contract required detection limit; the concentration is considered to be estimated.
 Bold indicates that the reported concentration exceeds one or more of the applicable criteria.

TABLE 3-2

GROUND WATER SAMPLE ANALYTICAL RESULTS
Waste Water Treatment Facility, Middletown, CT
July 28, 2000

SAMPLE IDENTIFICATION	MW-1	MW-2	MW-4	MW-6	MW-7	MW-8 Dupl. of MW-7	FB072800	TB072800	CT VC	CT SWPC
ETPH (ppm)	NA	NA	NA	NA	0.68	0.67	NA	NA	NE	NE
VOLATILE ORGANICS (ppb)										
ISOPROPYLBENZENE	NA	11	ND	ND	ND	ND	NA	ND	NE	NE
N-PROPYLBENZENE		12							NE	NE
SEC-BUTYLBENZENE		6							NE	NE
N-BUTYLBENZENE		3 J							NE	NE
PCBs (ppb)	NA	NA	NA	NA	ND	ND	NA	NA	NE	0.5
INORGANICS (ppb)										
ARSENIC	NA	22.4		4.6 B	17.1	3.3 B		NA	NE	4
BARIUM		734	134	287	1250	462	0.49 B		NE	NE
CADMIUM					16.4	1.6 B			NE	6
CHROMIUM		135	2.1 B	5.6 B	163	24.4	0.87 B		NE	NE
LEAD		214	17.8	17	136	22	1.6 B		NE	13
MERCURY		0.4			0.18 B	0.13 B			NE	0.4
SILVER					3.4 B				NE	12

NOTES:

- MW-1 was not sampled due to a thin layer of floating product in the well and wells MW-3 and MW-5 were dry on the date of sampling.
- CT VC = Connecticut Remediation Standard Regulations Residential Volatilization Criteria
- CTSWPC = Connecticut Remediation Standard Regulations Surface Water Protection Criteria
- NA = Not analyzed
- NE = Not established under current Connecticut Remediation Standard Regulations.
- ND = Not detected
- J = Analyte concentration reported is greater than the MDL but less than the PQL; the concentration is estimated.
- B = A result reported with a "B" qualifier indicates the analyte was detected at a level greater than the instrument detection limit, but less than the contract required detection limit; the concentration is considered to be estimated.
- Bold** indicates that the reported concentration exceeds one or more of the applicable criteria.

4.0 CONCLUSIONS

TRC determined the following as a result of this investigation.

- The site is underlain primarily by brown, fine to coarse sand, with little to some gravel, little silt, and little clay. The water table was encountered between 8 and 14 feet below grade in all of the borings.
- Table 3-1 provides a summary of the compounds detected in each soil sample collected from the WWTF. The following is a summary of the concentrations reported by the laboratory that exceed the applicable RSR criteria.
 - ETPH was detected in one soil sample, B-1, at a concentration of 1,900 ppm which is above the RDEC of 500 ppm. The SVOC 2-methylnaphthalene was also detected in B-1 at a concentration (14,000 ppb) in excess of the GB PMC. These concentrations, in excess of the RSR criteria, are consistent with field observations (e.g., petroleum odors, elevated OVA readings, a thin product layer observed in the monitoring well installed within this borehole) and with the reporting of detectable concentrations of VOCs and SVOCs commonly associated with fuels. The elevated ETPH concentration and the detection of other VOC and SVOC compounds is also consistent with the location of this boring adjacent to a former fuel tank farm. It appears as though this is a very localized problem at the WWTF property, and is related to historic activities at the former Peterson Oil Company.
 - PCBs, namely Arochlor 1260, were detected in the soil samples collected around the transformers, in the vicinity of the historic spill of PCB-containing oil. PCBs were detected in soil samples B-7a (and its duplicate B-8a), B-7b, and B-7c at concentrations of 61 ppb to 180 ppb (in excess of the GB PMC of 5 ppb).
- TRC recommends that soils in the vicinity of B-1 be excavated in order to minimize localized petroleum impacts that emanated from the former Peterson Oil site. It should be noted that the impacted soil from the Peterson site has been removed and will no longer serve as an upgradient source of contamination. It is also recommended that the soils in the vicinity of the transformers be removed in order to mitigate PCB impacts resulting from the historic PCB-containing oil spill. These "hot-spots" of soil contamination should be excavated and removed from the site by a licensed hauler to an appropriate soil disposal facility.
- If not already completed, TRC recommends the removal of the underground storage tanks that were awaiting removal as of the date of the site visit (February 19, 2000). Upon removal of the underground storage tanks, the condition of the tanks and the soil surrounding the tanks must be assessed to determine if there

were any potential impacts to the soil. Soil samples would need to be collected from the tank graves prior to backfilling to verify that the excavations could be back-filled.

- Table 3-2 provides a summary of the compounds detected in each ground water sample collected from the WWTF site. The following is a summary of the constituents detected in the ground water that exceed the applicable criteria:
 - Arsenic, cadmium, and lead were detected in ground water from the site at concentrations that exceed the SWPC. Ground water from MW-2, MW-6, and MW-7 exhibited elevated concentrations of arsenic relative to the SWPC. Cadmium was detected at an elevated level only in the ground water from MW-7 and lead was detected in each of the monitoring wells sampled at the WWTF site at elevated levels. Given that there are other analytical results from monitoring wells in the vicinity of the WWTF, these results were considered in conjunction with the WWTF results. The metals noted to exceed the SWPC at the WWTF were also the metals that were in exceedence of these levels at the former Peterson Oil site. Information provided to TRC by the EPA based on a March 2000 investigation of the Marino property (across from the WWTF) did not indicate the presence of arsenic, cadmium, and lead at elevated levels. As such, TRC recommends that a quarterly ground water sampling program be implemented at the WWTF site in order to assess the degree of potential contamination at the site and to ensure that contaminant levels in the ground water are not increasing over time.

APPENDIX A
PHASE I SITE ASSESSMENT

REPORT
LIMITED PHASE I ENVIRONMENTAL
SITE ASSESSMENT

MIDDLETOWN BROWNFIELDS
MIDDLETOWN, CONNECTICUT

Prepared for

CITY OF MIDDLETOWN

Prepared by

TRC Environmental Corporation
Windsor, Connecticut

April 2002

LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Middletown Brownfields
Middletown, Connecticut**

Prepared for
City of Middletown

Prepared by
TRC Environmental Corporation
Windsor, Connecticut

Kara Sweeney
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TRC Project No. 25863

April 2002

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Facsimile 860-298-6399

EXECUTIVE SUMMARY

TRC Environmental Corporation (TRC) was retained by the City of Middletown in January, 2000 to perform an environmental site assessment of two properties identified within the Middletown Brownfields Project, located in Middletown, Connecticut; hereby known as the subject site. The subject site consists of two properties which are located on River Road in Middletown, CT. The properties are identified as Peterson Oil Company (Peterson Oil), located at 44 River Road, and the Waste Water Treatment Facility (WWTF), located immediately south of Peterson Oil on River Road.

The objective of the scope of work for this study was to assess past or present conditions related to hazardous waste and materials which could cause an environmental liability.

As part of the site assessment, TRC personnel conducted a walkover visual inspection of the subject site on February 19, 2000 (WWTF) and March 13, 2000 (Peterson Oil) for the purpose of identifying potential areas of environmental concern such as, but not limited to, oil and chemical spillage. In addition to the site inspection, TRC personnel conducted a background investigation which consisted of a file review at the Middletown City Hall, and a review of State and Federal Databases.

The inspection and background investigation conducted within the scope of this project identified six (6) on-site relevant items pertaining to the following issues:

- Underground storage tanks.
- Hazardous chemicals on-site.
- Release of oil with elevated levels of PCBs.
- Staining in the vicinity of floor drains that empty into nearby water body.
- Presence of fill of unknown origin.
- Suspect asbestos containing material (ACM).

There was noted to be one (1) off-site relevant item pertaining to the following issues:

- Superfund site located upgradient from the subject site.

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APPENDIX

A	SITE PHOTOGRAPHS
B	ENVIRONMENTAL DATABASE REPORT
C	SUPPORTING DOCUMENTATION

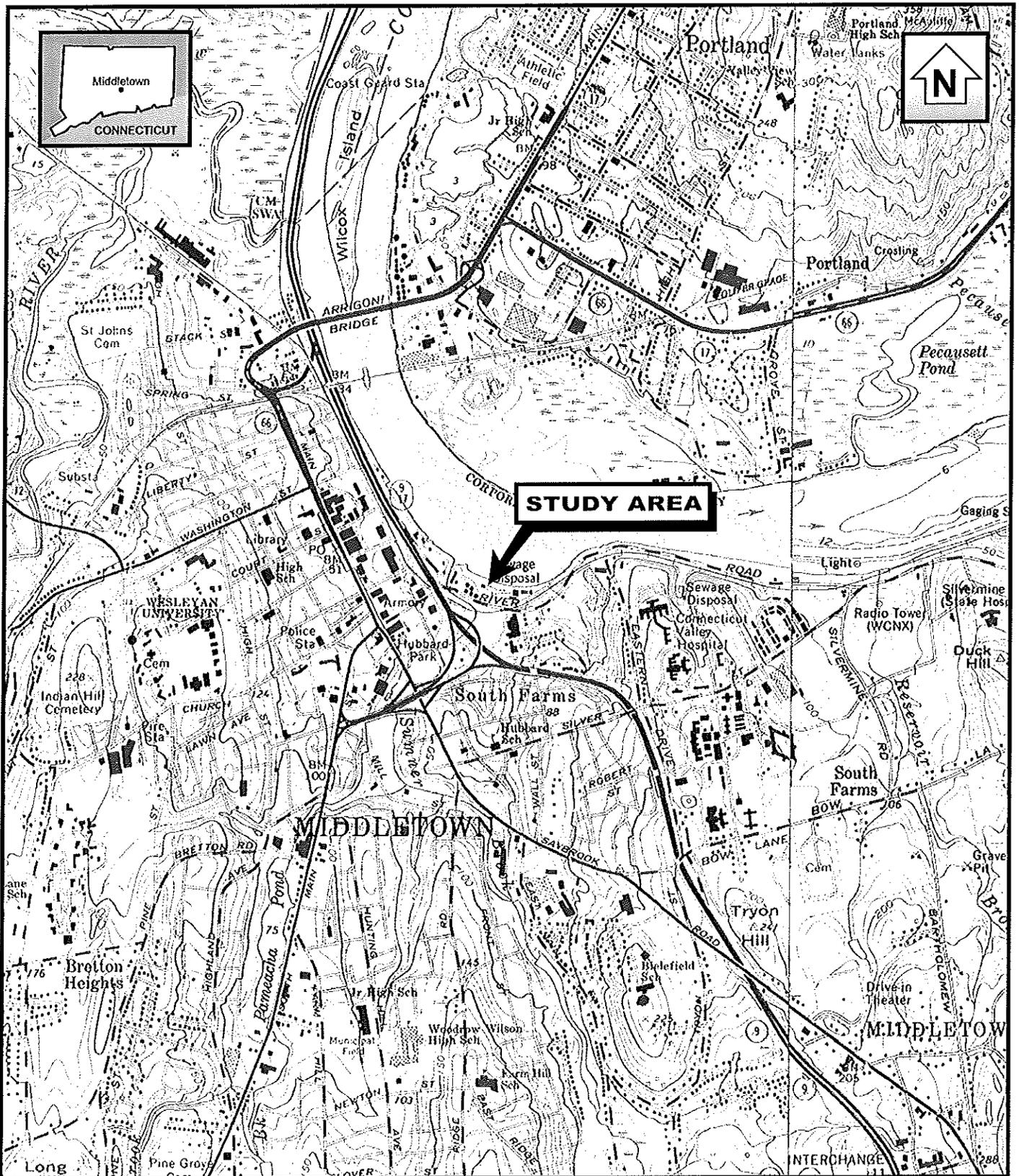
1.0 INTRODUCTION

TRC Environmental Corporation (TRC) performed an environmental site assessment of the properties identified as the Middletown Brownfields Project located in Middletown, Connecticut; hereby known as the subject site.

The subject site consists of two properties located on River Road in Middletown, Connecticut. The subject site is comprised of municipal and commercial properties currently zoned ID – Institutional Development. The site assessment included a walkover of the study area grounds and a “drive by” visual inspection of the perimeter for the purpose of identifying potential areas of environmental concern such as, but not limited to, oil or chemical spillage. TRC personnel conducted this visual inspection of the subject site on February 19, 2000 (WWTF) and March 13, 2000 (Peterson Oil). In addition to the visual inspection, TRC personnel conducted a review of the municipal files held at the Middletown City Hall. This review consisted of Assessment and Zoning Information, and files held by the Building Department, Fire Department, and Department of Health. TRC personnel also reviewed Sanborn Fire Insurance Maps dating back to 1889, City Directories, Aerial Photographs, as well as files held at the State of Connecticut Department of Environmental Protection Agency (CTDEP).

In this report, the terms “relevant issues” and “items of concern” are used. “Relevant issues” refers to information regarding the subject site or properties in the immediate vicinity which, in TRC’s opinion, are necessary to an overall understanding of the subject site, and/or conditions which influence the environmental status of the subject site. Information that is not considered relevant is not included in this discussion. “Items of concern” are those issues that are considered as potentially having a negative impact on the environmental status of the subject site. Identification of an issue as an “item of concern” does not necessarily mean that there is a liability associated with the issue.

References to upgradient and downgradient properties are based on an estimated direction of ground water flow. Ground water flow directions are estimated based on surface topography, which typically reflects ground water flow direction. The actual direction of ground water flow may differ from that assumed and may be influenced by the presence, if any, of subsurface structures or large volume withdrawal wells in the area.



STUDY AREA

0 2000
SCALE FEET

0 1
SCALE MILE

1:24000

BASE CREATED WITH TOPO™ © 1996 WILDFLOWERS PRODUCTIONS, www.topo.com
MIDDLETOWN AND MIDDLE HADDAM, CT - 7.5' USGS TOPOGRAPHIC MAPS

TRC
Customer-Focused Solutions

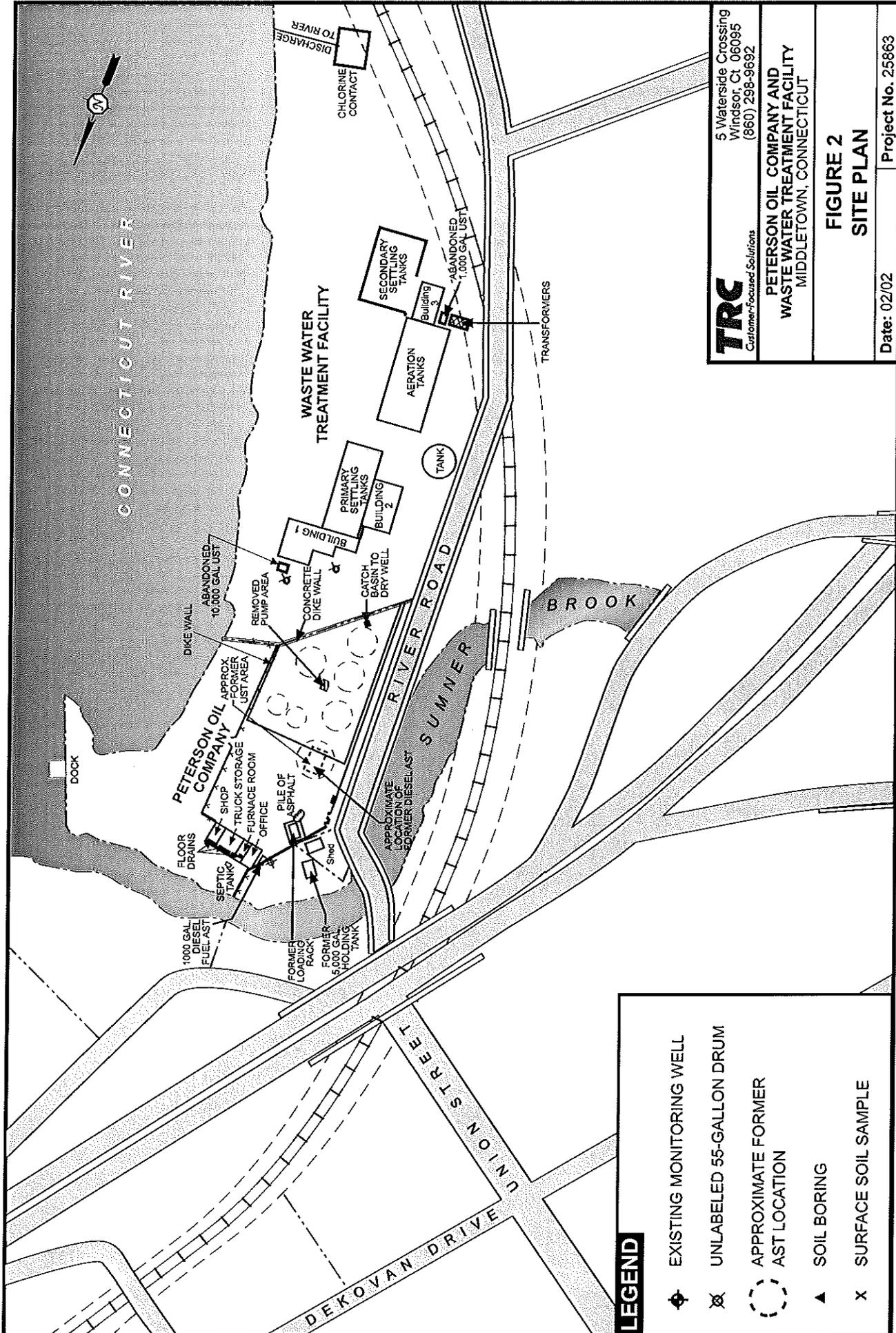
5 Waterside Crossing
Windsor, Ct 06095
(860) 298-9692

**PETERSON OIL COMPANY AND
WASTE WATER TREATMENT FACILITY
MIDDLETOWN, CONNECTICUT**

**FIGURE 1
SITE LOCATION MAP**

Date: 03/02

Project No. 25863



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**PETERSON OIL COMPANY AND
WASTE WATER TREATMENT FACILITY
MIDDLETOWN, CONNECTICUT**

**FIGURE 2
SITE PLAN**

Date: 02/02

Project No. 25863

LEGEND

- ◆ EXISTING MONITORING WELL
- ⊗ UNLABELED 55-GALLON DRUM
- APPROXIMATE FORMER AST LOCATION
- ▲ SOIL BORING
- x SURFACE SOIL SAMPLE

2.0 SITE LOCATION AND DESCRIPTION DETAILS

2.1 Description Details-Peterson Oil Company

LOCATION: 44 River Road, Middletown, Connecticut

TAX ASSESSOR'S

DESIGNATION: Map 34, Block 24-4, Lot 2

ACREAGE: Approximately 1.49 acres.

IMPROVEMENTS: One (1) one-story building.

BUILDING

INFORMATION: The building was constructed in 1925 of brick and wood on a concrete slab.

ZONING

DESIGNATION: ID – Institutional Development

CURRENT USE: The building was used as office space, sheet metal shop, and garage to house the fleet of oil trucks.

UTILITIES: The building is serviced by electricity, municipal water and sewer.

2.2 Description Details-Waste Water Treatment Facility

LOCATION: River Road, Middletown, Connecticut

TAX ASSESSOR'S

DESIGNATION: Map 34, Block 24-4, Lot 2A

ACREAGE: Approximately 3.51 acres.

IMPROVEMENTS: One (1) two-story building, one (1) one-story building, primary and secondary settling tanks.

BUILDING

IMFORMATION: The buildings were constructed in 1974 of concrete block on a concrete slab.

ZONING

DESIGNATION: ID -- Institutional Development

CURRENT USE: Waste Water Treatment Facility.

UTILITIES: The building is serviced by electricity, municipal water and sewer.

3.0 CURRENT AND PAST USES OF SUBJECT SITE PROPERTIES

3.1 City Directory Review

City Directories were reviewed at the Connecticut State Library in approximate five-year increments, as available, from 1930 to 1989. The Peterson Oil site was occupied by Standard Oil Company of New York in 1930. Between the years of 1935 and 1945, Sacony Vacuum Oil Company, Inc. occupied the site. Peterson Oil Company moved onto the subject site in 1955 and remained there through 1999. The site of the WWTF was unoccupied until it was constructed in 1974-1975. As indicated by the directory review, the area in the immediate vicinity of the subject site had been utilized primarily for commercial and industrial purposes.

3.2 Aerial Photographs

TRC personnel reviewed aerial photographs held at the Connecticut State Library and the Connecticut Department of Environmental Protection (CTDEP) for the years of 1934, 1951, 1965, 1975, 1980, and 1995. Five (5) aboveground storage tanks and a building were observed to be located on the Peterson Oil site in 1934. An additional two (2) aboveground storage tanks were observed at Peterson Oil on the map dated 1951, thus increasing the total number of tanks to seven (7). The Peterson Oil site remained unchanged according to the maps dated 1965, 1975, 1980 and 1995. The site of the WWTF appeared to be a wetland area in the maps dated 1934, 1951, and 1965. The

WWTF site drastically changed according to the 1975 map. Buildings and tanks were apparent in this year. The WWTF site remained the same in 1980 and 1995 as it was in 1975.

3.3 Sanborn Fire Insurance Maps

TRC reviewed Sanborn Fire Insurance maps covering the area of the subject site for the years 1901, 1907, 1913, and 1924. Following are the relevant issues noted by TRC:

One small shed was located on the site of Peterson Oil in 1901, and the Hartford and New York Transportation Company was indicated to have occupied the site. In 1907 and 1913, maps indicated that the small shed remained on-site, however, it was no longer shown that the Hartford and New York Transportation Company occupied the space. In addition, two sheds were added to the south of the original shed. A.C. Kretzmek Coal yard was indicated to have been present to the north of the subject site on the northern side of Sumner's Creek. There was no coverage during these years (1901, 1907, and 1913) for the area of the WWTP. In 1913, the area comprising the WWTP was noted to be vacant land. The 1924 map indicated that the site of Peterson Oil became the site of Standard Oil Company of New York. The shed that was previously indicated was no longer present and in its place was a larger one. In addition, two (2) aboveground storage tanks were indicated. One (1) was used to store gasoline and had a capacity of 1,560,000 gallons and the other tank was used to store kerosene oil. The kerosene oil tank had a capacity of 287,240 gallons. In this year, the area of the WWTP was indicated to be vacant land.

3.4 Previous Environmental Site Assessments

Phase I and Phase II Environmental Site Assessments were performed on the Peterson Oil property by HRP Associates, Inc. (Phase I ESA in April 1990) and by Marin Environmental, Inc. (Phase I ESA in March 1998 and a Phase II ESA in June 1998). As indicated in the Phase I report completed by Marin, a Phase I Site Assessment was performed by HRP Associates, Inc. in April 1990. The 1990 site investigation consisted of a soil gas survey to identify soil and water contaminants. The results of the survey indicated no significant petroleum contamination present in the subsurface materials on the subject site.

The scope of work for the Phase I investigation by Marin in March 1998 included the review of municipal, state, and federal databases and/or files and a site walk-over in accordance with standard protocols used to provide conclusions on the release of hazardous materials which may cause environmental liability and/or adverse environmental impacts on the subject site. Results of the Phase I investigation concluded that a Phase II Site Investigation be recommended to assess adverse impacts to the soil and groundwater.

As indicated in the Phase I report completed by Marin, Phase I Site Assessment was performed by HRP Associates, Inc. in April 1990. The 1990 site investigation consisted of a soil gas survey to identify soil and water contaminants. The results of the survey indicated no significant petroleum contamination present in the subsurface materials on the subject site.

The Phase II investigation by Marin in March 1998 included the installation of fourteen (14) borings, eight of which were completed as monitoring wells. Soil and ground water samples were taken and analyzed to determine the impacts, if any, on the soil and groundwater as a result of the underground/aboveground storage tanks that were formerly located on the site. This investigation concluded that elevated levels of total petroleum hydrocarbons (TPH), dissolved lead, and volatile organic compounds (VOCs) were present in the ground water and surface and subsurface soils. The full extent of the contamination was not determined.

4.0 ENVIRONMENTAL RECORDS REVIEW

4.1 Municipal Agencies

TRC contacted the following municipal agencies with regard to documentation concerning problems or violations at the subject site, or at properties in the immediate vicinity, which would be considered relevant to this investigation. Relevant issues identified at the respective agencies are listed below.

Building Department

According to a Demolition Permit, filed February 3, 1998, on file at the Building Department, the aboveground storage tanks and associated piping that were present on the subject site were emptied and removed from the site. No relevant information regarding the WWTF was on file.

Health Department

To date, no files were on hand at the Health Department regarding the subject site.

Planning and Zoning

According to zoning maps held at the City of Middletown Planning and Zoning Department, the subject sites are within the Industrial Development (ID) Zone. City of Middletown Flood Insurance Rate Maps, dated July 1990, indicate that the Peterson Oil property and all of the WWTF fall within the Base Flood Determination Zone (AE). The determined elevation in this area is between 22 and 23 feet. Based on the City of Middletown Wetlands Analysis (1981), Peterson Oil and the northern section of the WWTF property are within the 100-year flood zone. No wetlands are indicated to be present on the subject site.

Fire Department

TRC interviewed Mr. Lou Bartolotta, Deputy Fire Marshal of South District Fire Department, with regard to the subject site. Mr. Bartolotta's files indicated that the aboveground storage tanks were removed from the Peterson Oil site on September 28, 1998. One Tier II Inventory Report, dated March 3, 1995, was on file with the Fire Department. No relevant information regarding the WWTF was on file.

4.2 USEPA and State Database Review

TRC subcontracted EcoSearch Environmental Resources, Inc. (EcoSearch) of Indianapolis, Indiana to conduct a records search of the following United States Environmental Protection Agency (USEPA) and State database records. This review was conducted in order to determine whether the subject property or sites located within ASTM-specified radii are listed sites. Inclusion of a site on an environmental database may warrant additional investigation to determine potential environmental impacts to the subject site.

EPA National Priority List (NPL):

- No sites were identified within a one mile radius of the subject site.

PCB Activity Database System:

- Connecticut Valley Hospital, located on Silver Street, is listed as a PCB site. According to the database report, the facility is an inactive generator. This site is situated within one-mile east/southeast and in the estimated crossgradient direction of the subject site.
- Wilcox-Crittenden Foundry, located at 56 Pameacha Avenue, is listed as a PCB site. The facility is reportedly an active generator. No further information was available. This site is situated within one mile southwest and in the estimated upgradient direction of the subject site.

Toxic Release Inventory:

- No sites were identified within a one-half mile radius of the subject site.

Section Seven Tracking System:

- No sites were identified within a one mile radius of the subject site.

Civil Enforcement Docket:

- No sites were identified within a one mile radius of the subject site.

Toxic Substances Control Act Inventory:

- Chevron U.S.A. Inc., located at 51 Brownstone Avenue, is listed as a TSCA site. No further information was available. This site is situated within one mile north and in the estimated crossgradient direction of the subject site.

Emergency Response Notification System of Spills (ERNS):

- No sites were identified within a one-quarter mile radius of the subject site.

Connecticut Inventory of Hazardous Waste Sites List:

- Marino Property, located at 50 Walnut Street, is listed as an IHW site. According to the report, liquid chemicals are a waste type at this site. No further information was available. This site is situated within one-half mile southeast and in the estimated upgradient direction of the subject site.
- Liberty Ltd. Partnership, located at 605 Main Street, is listed as an IHW site. No further information was available. This site is situated

within one mile west/northwest in the estimated crossgradient direction of the subject site.

- Russell Square Associates, located at 395 East Main Street, is listed as an IHW site. No further information was available. This site is situated within one mile south/southeast and in the estimated upgradient direction of the subject site.
- Fenner America, Ltd., located at 400 East Main Street, is listed as an IHW site. According to the report, solvents were disposed of to the soil and ground water in area classified as GA. This site is situated within one mile south/southeast and in the estimated upgradient direction of the subject site.
- Sunoco Service Station, located at 380 New Britain Avenue in Plainville, is listed as an IHW site. According to the report, waste oil was released from USTs. This site is situated within one mile south/southeast and in the estimated upgradient direction of the subject site.
- North & Judd Foundry, located at 56 Pameacha Avenue, is listed as an IHW site. According to the report, metals and solvents were disposed of to the septic system. This site is situated within one mile southwest and upgradient of the subject site

Connecticut Solid Waste Facilities List:

- No sites were identified within a one mile radius of the subject site.

Connecticut Leaking Underground Storage Tank List:

- Personal Auto Care, located at 168 East Main Street, is listed as LUST site. According to the report, a UST containing gasoline was removed on February 2, 1989 with associated contaminated soil. This site is located within one-half mile south in the estimated upgradient direction of the subject site.
- U.S. Post Office, located at 11 Silver Street, is listed as a LUST site. According to the report, a 6,000-gallon UST, containing heating fuel, was removed on February 28, 1990 with associated contaminated soil. A 10,000-gallon UST, containing heating oil, was removed on March 14, 1990 with associated contaminated soil. This site is situated within one-half mile south/southeast in the estimated upgradient direction of the subject site.
- Ron's Service Station, located at 169 Mail Street Extension, is listed as a LUST site. According to the report, two (2) 8,000-gallon USTs,

containing gasoline, were removed on August 4, 1989 with associated contaminated soil.

Connecticut Registered Underground Storage Tanks List:

- Peterson Oil Company is listed as a UST site. According to the report, three (3) 3,000-gallon USTs, containing diesel or gasoline, are permanently out of use.
- Philip H Redford, located at 40 Union Street, is listed as a UST site. According to the report, two (2) 1,000-gallon USTs, containing gasoline, are permanently out of use. This site is situated within one-quarter mile west/southwest and in the estimated upgradient direction of the subject site.
- Northern Middlesex YMCA, located at 99 Union Street, is listed as a UST site. According to the report, one 5,000-gallon UST, containing heating oil, was installed January 1, 1971 and is currently in use. This site is situated within one-quarter mile west southwest and in the estimated upgradient direction of the subject site.

5.0 GEOLOGIC INFORMATION

The surficial soil in the area which includes the subject site is defined as being a artificial fill, according to the Surficial Materials Map of Connecticut (1992).

The bedrock in the area of the subject site is defined, by the Bedrock Geology Map of Connecticut, dated 1985, as being Portland Arkose (Jp).

Topography on the subject site is generally flat with a gradual eastward slope toward the Connecticut River. The estimated direction of ground water flow in the area is to the east.

6.0 SITE RECONNAISSANCE

On February 18, 2000 and March 13, 2000, TRC personnel performed a visual inspection of the subject property. The inspection included a walkover of the grounds to identify evidence of activities or conditions which may be relevant to this assessment, both within and around the property boundaries. As a result of the inspection, the following relevant issues were identified by TRC:

6.1 On-site Conditions

As a result of the inspection, TRC identified twelve (12) relevant issues.

- One (1) 55 gallon drum full of unknown material was observed to be located on the northeast side of the northern-most WWTF building.
- According to Mr. Guy Russo, the Head of the Middletown Water and Sewer Department, one (1) 10,000 gallon underground storage tank, waiting removal, is located at the northeast corner of the northern-most WWTF building.
- Floor tiles observed in the office area of the WWTF building are suspected to contain asbestos materials.
- According to Mr. Russo, one (1) 1,000 gallon underground storage tank located on the west side of the southern-most building at the WWTF has been emptied and abandoned and is awaiting removal.
- According to Mr. Russo, a spill of oil containing PCBs occurred under the transformers located on the western side of the southern-most building of the WWTF. Clean-up measures are unknown.
- Based on historic aerial photographs and an interview with Mr. Russo, it has been determined that at least fifteen feet of fill of unknown origin was brought onto the site prior to the construction of the WWTF.
- Four (4) tons of chlorine gas is located in the southern building of the WWTF.
- Floor tiles located in the office area of the building located on the Peterson Oil property are suspected to contain asbestos material.
- A sump located in the garage portion of the Peterson Oil building, on the northern side, releases any material that may be collected to the brook to the north of the building. According to an employee, the valve to the sump no longer works.

- A floor drain in the bathroom of the Peterson Oil building was noted to be heavily stained with petroleum material.
- A catch basin located to the south of the Peterson Oil building was observed.
- A pile of asphalt was observed to be located to the south of the Peterson Oil building in the vicinity of the catch basin.
- Eight monitoring wells were observed to be in place on the Peterson Oil property.

6.2 Off-site Conditions

The area surrounding the subject site to the west consists mainly of industrial and vacant wooded properties. The Connecticut River borders the subject site to the east and Sumner Creek borders the subject site to the north. Wooded land and residential properties are located to the south. On the date of the TRC investigation, existing information regarding the Marino property available from the database search and data provided by Mr. James Sipperly of the Middletown Department of Planning and Conservation, located to the west and upgradient of the subject site, indicated that contamination may be present on the site that may present a risk of impact to the subject site.

7.0 CONCLUSION AND RECOMMENDATIONS:

A summary of relevant issues with regard to the subject site, which have been identified by TRC as a result of this investigation, are discussed below.

1. According to Mr. Guy Russo, the Head of the Middletown Water and Sewer Department, one (1) 10,000 gallon underground storage tank (UST), waiting removal, is located at the northeast corner of the northern-most WWTF building and one (1) 1,000 gallon UST located on the west side of the southern-most building at the WWTF has been emptied and abandoned and is awaiting removal.

Recommendation: TRC recommends that the two (1) USTs be removed or abandoned in place and disposed of properly by a certified tank removal contractor.

2. Floor tiles observed in the office area of the WWTF building are suspected to contain asbestos materials. Floor tiles located in the office area of the building located on the Peterson Oil property are suspected to contain asbestos material.

Recommendation: TRC recommends that a comprehensive asbestos screening survey to be conducted by a licensed environmental consultant.

3. One (1) 55 gallon drum full of unknown material was observed to be located on the northeast side of the northern-most WWTF building.

Recommendation: TRC recommends that this unknown material be disposed of appropriately by a certified disposal contractor.

4. A spill of oil containing PCBs occurred under the transformers located on the western side of the southern-most building of the WWTF. Clean-up measures are unknown.
5. Based on historic aerial photographs and an interview with Mr. Russo, it has been determined that at least fifteen feet of fill of unknown origin was brought onto the site prior to the construction of the WWTF.
6. A floor drain in the bathroom of the Peterson Oil building was noted to be heavily stained with petroleum material. This floor drain discharges to a septic system.

Recommendation: It is TRC's recommendation that based on these items and the overall history of the site and the surrounding area, TRC recommends that a Phase II investigation be performed to determine if releases to the surface and subsurface have occurred that are impacting the subject site.

8.0 LIMITATIONS

Information used in this report regarding operations, conditions, and test data has been obtained in part from company personnel, its employees or agents, various governmental officials and available public records and has been assumed by TRC to be correct and complete. Certain technical information has been obtained from maps and other published documents. Certain information reflects direct observations of conditions as they existed on the date of the inspection. Since this information is subject to professional interpretation, it could result in differing conclusions.

APPENDIX A
SITE PHOTOGRAPHS



PHOTO A
Peterson Oil Property looking north.



PHOTO B
Peterson Oil Property former tank field looking south.

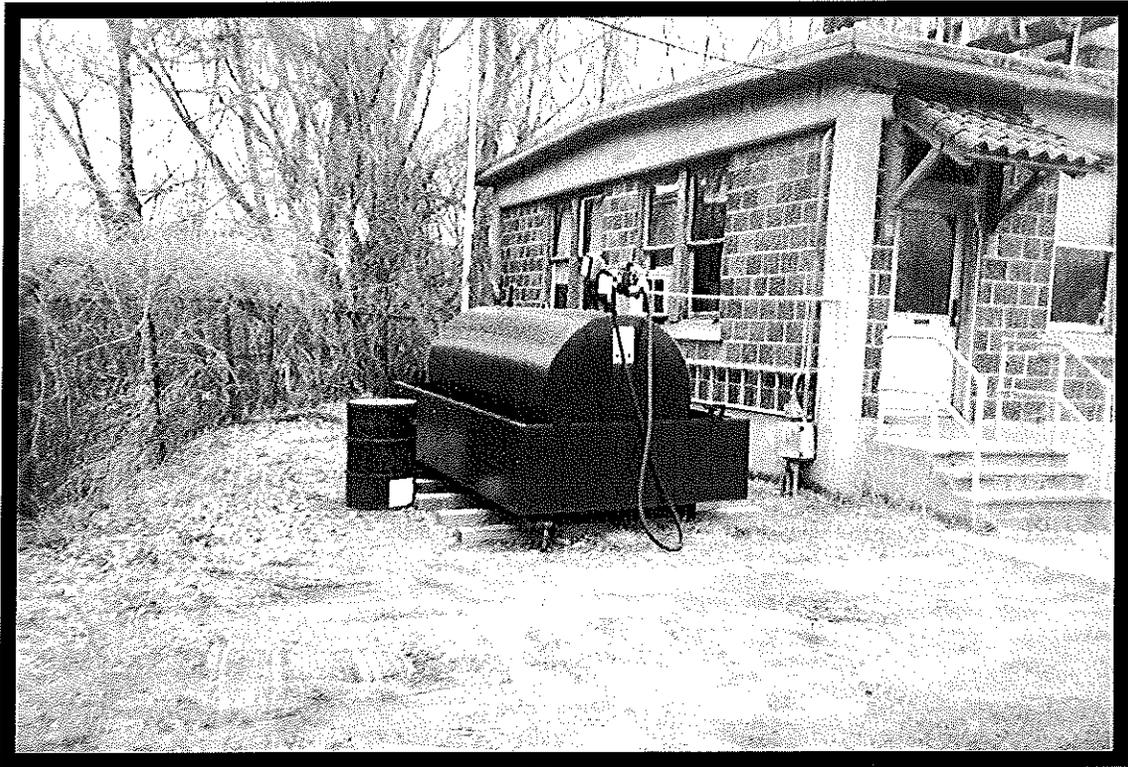


PHOTO C
1,000 gallon AST and unlabeled 55-gallon drum located
in northwest corner of Peterson Oil Property.

PHOTO D
Pile of asphalt and
former loading rack on
Peterson Oil Property.



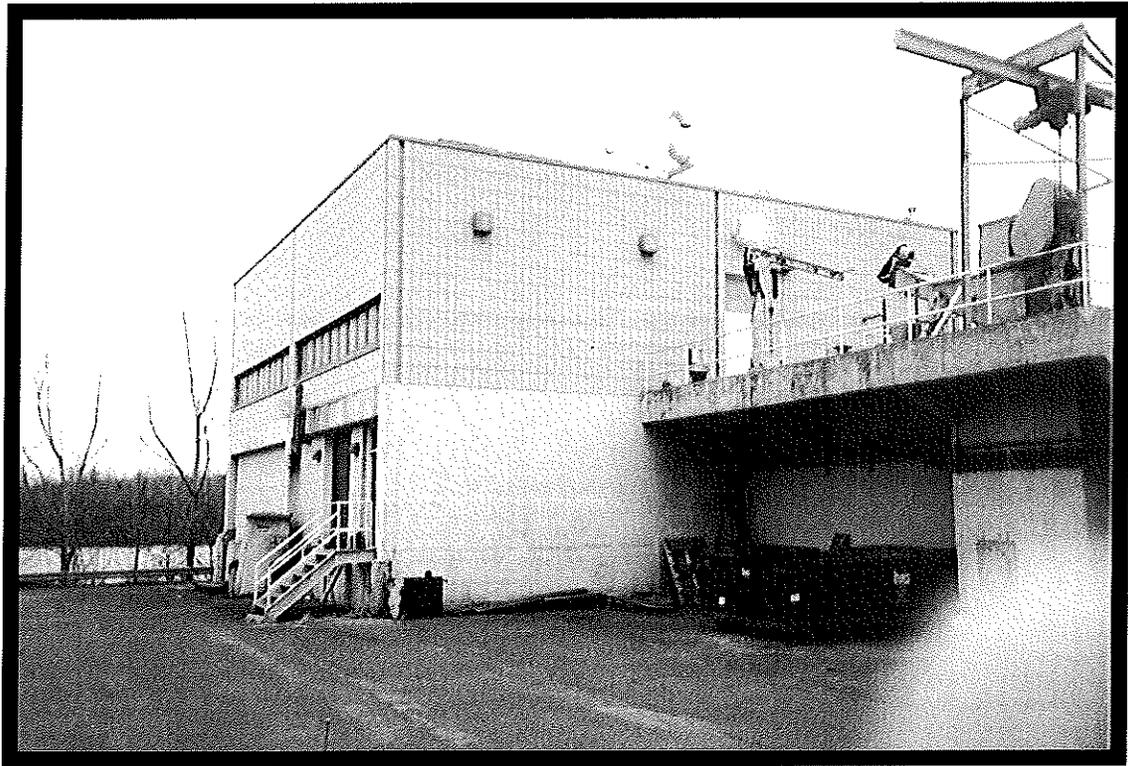


PHOTO E
Waste water treatment facility.

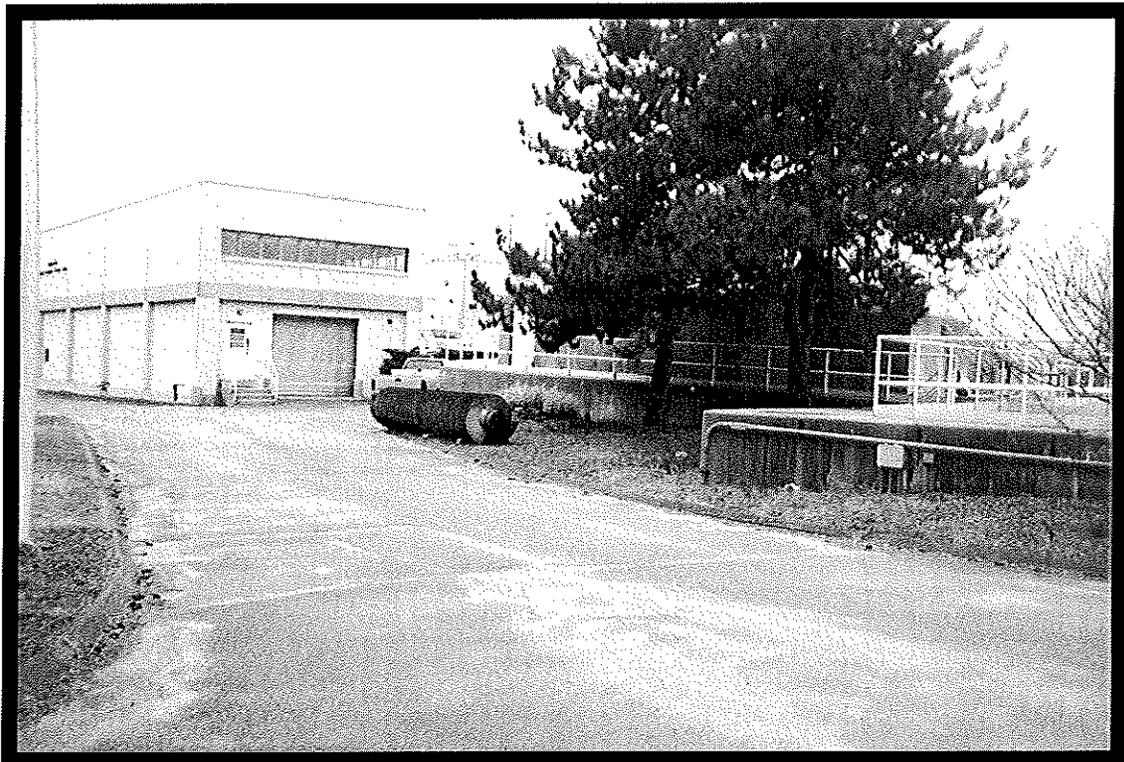


PHOTO F
Waste water treatment facility.

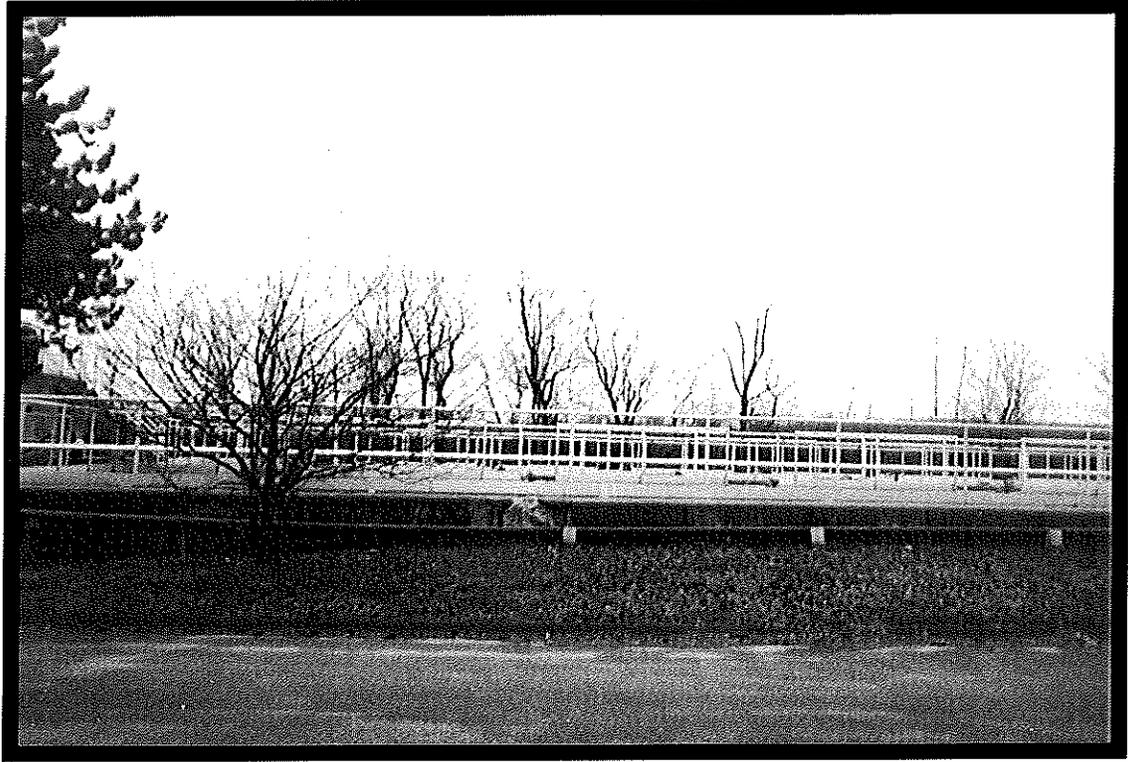


PHOTO G
Aeration tanks at waste water treatment facility.

APPENDIX B
DATABASE REPORT

EcoSearch Environmental Resources, Inc.

9365 Counselors Row Suite 104
Indianapolis, Indiana 46240
ph: (317) 574-8830 fax: (317) 574-8840

EcoSearch Environmental Site Assessment

Type of Report:	Instant Preview Report
Site Location:	Middletown Brownfields 44 River Rd Middletown, CT 06457
Date:	March 16, 2000
Report ID Number:	2051-4901
Especially Prepared For:	Ms. Sarah Trombetta TRC
PO Number:	25863

Limits of Information:

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Thank you for choosing EcoSearch.

Introduction

We want to thank you for your order requesting the enclosed site assessment.

EcoSearch makes every effort possible to combine the most accurate environmental data available into an understandable and easy-to-use format.

While every attempt has been made to ensure accuracy of the information presented, we cannot guarantee the accuracy of the data from the original sources, nor can we guarantee that no transcription or plotting errors have occurred.

If any concerns arise from your review of the databases in this report, please call the appropriate agency involved. As a service, we have included phone numbers in the database description section of this report to help you in your evaluation.

The enclosed maps present a working approximation of the location of surrounding environmental sites based primarily on available accurate site addresses. These maps should not be used for purposes more correctly handled by surveys.

EcoSearch is driven by its mission to present the most responsive, technically sound, and cost-effective environmental data services available to our customer.

Read Me First

The following suggestions are offered in an attempt to help you in using and understanding this site assessment from

1. Skim over the entire report to familiarize yourself with its contents and layout.
2. You will notice that the information is presented following this general concept: we begin by giving sections that summarize data and then give detailed information about these summaries as you proceed further into the report.
3. Then refer to the section titled "Statistical Overview". You will need to take a moment to read the column headings and the data below them. Also, as you go down the first column (left side) you will probably need to look back at the preceding section titled "Database Descriptions". Please pay particular attention to the radius searched as they vary according to the database. These are ASTM standards that we meet and exceed. Your site's datum is the third, shaded column. Also, the next column showing database hits within the first radius is important as it will include data about adjoining properties. The unmappable sites have their own section with a cover page explaining them.
4. The next section titled "Maps" is important as it gives a very clear visual presentation of the site, and which database(s) are at the site itself or within the study radii.
5. The site summary page(s) tells you by map ID# which database is at that location as well as the site's name and distance/direction from your study site. You will notice that the numbering corresponds to the distance from the subject site-- eg. #1 is your site itself or the site closest to it, #2 is further away. This continues until all database hits have been summarized within the largest study radius. Your report may extend further than one mile if you asked us to extend the radii.
6. As you will recall our format goes from summary-type pages to detailed information. Therefore, the next section is "Detailed Data". Here extensive data is given about each database hit. The map ID#, distance, and direction are in the top left corner. Further data follows.
7. The "Unmappable" section was referred to earlier. In this summary you will find those sites. Please read the cover page as it describes unmappable sites and our efforts to minimize and/or eliminate them from all of our site assessments.
8. The last section -- "Glossary/Acronyms" is self-explanatory and often helpful to our customers.

If you would like further help in understanding our reports please refer to the frequently asked questions list on our web site or call as our intention is to have this report helpful to you.

Database Descriptions -- Federal Databases

NPL

National Priorities List

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(703) 603-8881

Data Date: December 20, 1999
Release Date: December 20, 1999
Active Date: March 10, 2000
Last Contact Date: March 15, 2000

The NPL is a subset of the CERCLIS and lists over 1,150 of the nation's most dangerous sites of uncontrolled or hazardous waste which require cleanup. Also known as the Superfund List, the sites are scored according to the hazardous ranking system.

CERCLA (Active)

Comprehensive Environmental Response, Compensation, and Liability Information System (Active)

US Environmental Protection Agency
Office of Solid Waste and Emergency Response

Data Date: December 20, 1999
Release Date: December 20, 1999
Active Date: March 10, 2000
Last Contact Date: March 15, 2000

CERCLIS maintains information on over 15,000 sites nationally identified as hazardous or potentially hazardous which may require action. These sites are currently being investigated or an investigation has been completed regarding the release of hazardous substances. The most serious of this list as ranked by the hazardous ranking system are transferred to the NPL.

CERCLA (NFRAP Archive)

Comprehensive Environmental Response, Compensation, and Liability Information System (NFRAP Archive)

US Environmental Protection Agency
Office of Solid Waste and Emergency Response

Data Date: December 20, 1999
Release Date: December 20, 1999
Active Date: March 10, 2000
Last Contact Date: March 15, 2000

For more complete information purposes we include sites which have been reclassified as No Further Remedial Action Planned (NFRAP) by the EPA. This action was taken by the EPA beginning February 1995 as a part of the Brownfields Redevelopment Program. These former CERCLIS sites, also known as the CERCLIS Archive, have been delisted because a lack of significant contamination was found.

RCRA TSD

Resource Conservation and Recovery Information System -- Treatment, Storage, and Disposal Facilities

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: November 23, 1999
Release Date: November 23, 1999
Active Date: January 24, 2000
Last Contact Date: February 25, 2000

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The TSD database is a subset of the complete RCRIS file which includes facilities which treat, store, dispose, or incinerate hazardous waste. Additionally, compliance and corrective action (CORRACTS) information is included.

RCRA Generator

Resource Conservation and Recovery Information System -- Large and Small Quantity Generators

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: November 23, 1999
Release Date: November 23, 1999
Active Date: January 24, 2000
Last Contact Date: February 25, 2000

RCRIS contains information on hazardous waste handlers regulated by the US Environmental Protection Agency under the Resource Conservation and Recovery Act (RCRA). It is a national system used to track events and activities which fall under RCRA. The generators database is a subset of the complete RCRIS file which includes hazardous waste generators which create more than 100kg of hazardous waste per month or meet other requirements of RCRA. We also include RCRA Notifiers, Transporters, and formerly regulated RCRA Sites for more complete hazardous waste information. Additionally, compliance and corrective action information is included.

RAATS

RCRA Administrative Action Tracking System

US Environmental Protection Agency
Office of Enforcement and Compliance Assurance
(202) 564-4104

Data Date: April 14, 1995
Release Date: Not Available
Active Date: April 17, 1995
Last Contact Date: March 15, 2000

The RCRA Administrative Action Tracking System contains additional information on RCRA enforcement actions. Data includes the type of action, proposed penalty, and final penalty amount. This is a historical database and will not be updated by the source agency. EcoSearch will call once a year to verify historical status.

CORRACTS

Resource Conservation and Recovery Information System -- Corrective Action Sites

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-4610

Data Date: November 23, 1999
Release Date: November 23, 1999
Active Date: January 24, 2000
Last Contact Date: March 15, 2000

The CORRACTS database includes RCRIS (Resource Conservation and Recovery Information System) sites with reported corrective action. This information is also reported in the standard RCRIS detailed data.

ERNS

Emergency Response Notification System

US Environmental Protection Agency
Office of Solid Waste and Emergency Response
(202) 260-2342

Data Date: July 1, 1999
Release Date: July 1, 1999
Active Date: July 8, 1999
Last Contact Date: March 15, 2000

ERNS is a national database which contains information on specific notification of releases of oil and hazardous substances into the environment. The system stores data regarding the site of the spill, the material released, and the medium into which it occurred. As a joint effort, the Department of Transportation and the Environmental Protection Agency have collaborated to compile more than 365,000 records.

PADS

PCB Activity Database System

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-3992

Data Date: November 20, 1999
Release Date: November 20, 1999
Active Date: February 18, 2000
Last Contact Date: March 15, 2000

This database stores information about facilities which handle PCBs and file EPA form 7710-53. It is divided into storage facilities, disposers, generators, and transporters.

TRI

Toxic Release Inventory

US Environmental Protection Agency
Office of Pollution Prevention and Toxics
(202) 260-1531

Data Date: October 1995
Release Date: June 1998
Active Date: August 10, 1998
Last Contact Date: February 25, 2000

TRI contains information from facilities which manufacture, process, or import any of the over 300 listed toxic chemicals which are released directly into air, water, or land or are transported off-site. The database includes facts on amounts of chemicals stored and emitted from the facility. This database is released on an infrequent basis by the US EPA. EcoSearch includes information from 1987 through the 1995 reporting year.

SSTS

Section Seven Tracking System

US Environmental Protection Agency
Office of Prevention, Pesticides, and Toxic Substances
(202) 564-5008

Data Date: July 31, 1998
Release Date: Not Available
Active Date: August 27, 1998
Last Contact Date: February 25, 2000

Formerly FATES, this system tracks the registration of pesticide-producing establishments and tracks the types and amounts of pesticides, active ingredients, and devices which are sold, produced, or distributed annually.

DOCKET

Civil Enforcement Docket

US Environmental Protection Agency
Office of Enforcement
(202) 564-4114

Data Date: September 3, 1998
Release Date: Not Available
Active Date: February 3, 1999
Last Contact Date: March 15, 2000

The Civil Enforcement Docket is information on civil and administrative actions filed by the Department of Justice for the US Environmental Protection Agency. This record has been continually updated since 1972 and includes data regarding facility name, dates, laws violated, and penalties assessed.

TSCA

Toxic Substances Control Act Inventory

US Environmental Protection Agency

(202) 554-1404

Data Date: May 14, 1986

Release Date: Not Available

Last Contact Date: February 28, 2000

The Toxic Substances Control Act Inventory includes the locations and chemical production information of more than 7000 processors and manufacturers of chemicals. This database is no longer released to the public by the US EPA.

Database Descriptions -- State Databases

IHW (HWS)

Connecticut Inventory of Hazardous Waste Sites

Connecticut Department of Environmental Protection
Waste Management Bureau
(860)424-3705

Data Date: January 2, 2000
Release Date: January 2, 2000
Active Date: February 18, 2000
Last Contact Date: March 15, 2000

SWF

Connecticut Solid Waste Facilities Report

Connecticut Dept. of Environmental Protection
Waste Management Bureau
(860) 424-3372

Data Date: April 21, 1999
Release Date: April 21, 1999
Active Date: June 23, 1999
Last Contact Date: March 15, 2000

The Connecticut Solid Waste Facilities Report is a comprehensive listing of all permitted solid waste landfills and processing facilities operating within the State of Connecticut.

LUST

Connecticut Leaking Underground Storage Tank List

Connecticut Department of Environmental Protection
LUST Trust Program
(860) 424-3662

Data Date: May, 1997
Release Date: May 30, 1997
Active Date: May 19, 1997
Last Contact Date: March 15, 2000

The Connecticut LUST Report contains summary information pertaining to all reported leaking underground storage tanks located within the State of Connecticut.

UST

Connecticut Underground Storage Tank List

Connecticut Department of Environmental Protection
Underground Storage Tank Program
(860)424-3374

Data Date: January 1, 2000
Release Date: January 1, 2000
Active Date: February 18, 2000
Last Contact Date: March 15, 2000

The Connecticut UST Report is a comprehensive listing of all registered underground storage tanks located within the State of Connecticut.

EcoSearch Statistical Overview

Property Information				
44 River Rd				
Middletown, CT 06457				
Latitude:	41.557926	N	Longitude:	72.64273 W

Search Parameters	
Report:	Instant Preview Report
Radii:	ASTM*
Zip Code(s):	06457
City:	Middletown

FEDERAL DATABASES	Radius (miles)	Mappable Sites					Unmappable Sites		
		Total	Site	within 1/4mi	0.25 - 0.50mi	0.50 - 1.00mi	Zip Code	City	County
NPL	1.000	0	0	0	0	0	0	0	0
CERCLA (Active)	1.000	1	0	0	1	0	0	0	0
CERCLA (NFRAP Archive)	1.000	4	0	0	0	4	0	0	0
RCRA TSD	1.000	2	0	0	0	2	1	0	0
RCRA Generator	0.250	1	0	1	-	-	2	0	0
CORRACTS	1.000	0	0	0	0	0	1	0	0
ERNS	0.250	0	0	0	-	-	-	-	-
PADS	1.000	2	0	0	0	2	1	-	-
TRI	0.500	0	0	0	0	-	1	0	0
SSTS	1.000	0	0	0	0	0	0	0	0
DOCKET	1.000	0	0	0	0	0	1	0	0
TSCA	1.000	1	0	0	0	1	0	-	-

STATE DATABASES	Radius (miles)	Mappable Sites					Unmappable Sites		
		Total	Site	within 1/4mi	0.25 - 0.50mi	0.50 - 1.00mi	Zip Code	City	County
IHW (HWS)	1.000	11	0	0	1	10	0	0	0
SWF	1.000	1	0	0	0	1	0	0	0
LUST	0.500	3	0	0	3	-	8	0	0
UST	0.250	3	0	3	-	-	22	0	0

MANUAL GEOCODING:[^] For this city/township, **30** sites were manually plotted by EcoSearch.

* This database search and study radii meets or exceeds the ASTM (American Society of Testing and Materials) standards for a government records review. N/A denotes an ASTM-required database which is not available from the state.

[^] Manual Geocoding: Plotting environmental site data using paper maps and phone calls to properly place the information on the map.

Accurate street addresses are required for records to be found at the study property.

Mappable Sites are environmental sites which were located and appear on the enclosed EcoSearch Map, Site Summary, and Detailed Data sections of the report. These sites are summarized based on proximity to the study site.

Unmappable Sites are governmental records with incomplete or inaccurate address information. These sites could not be located on the street map, but have been searched by the Zip Codes, Cities, and County specified in the search parameters. Further investigation of these sites and their relationship to your study site is necessary.

EcoSearch Environmental Resources, Inc.

Instant Preview Report Map

Report ID: 2051-4901
 Site: 44 River Rd
 Middletown, CT 06457

- ★ Study Site
- ⊙ Study Site Matches Database

FEDERAL DATABASES	Radius (mi)
□ NPL Sites	1.00
▣ CERCLA (Active) Sites	1.00
▣ CERCLA (NFRAP Archive) Sites	1.00
▣ RCRA TSD Sites	1.00
▲ RCRA Generator Sites	0.25
▲ CORRACTS Sites	1.00
◆ ERNS Sites	0.25
◆ PADS Sites	1.00
◆ TRI Sites	0.50
◆ SSTS Sites	1.00
◆ DOCKET Sites	1.00
◆ TSCA Sites	1.00

STATE DATABASES	Radius (mi)
▣ IHW (HWS) Sites	1.00
◆ SWF Sites	1.00
◆ LUST Sites	0.50
◆ UST Sites	0.25

- MULTIPLE MATCHES / AREAS**
- ⊙ Two Database Matches
 - ⊙ Three or More Matches
 - ▣ Database Area Site

MAP LEGEND

▣	Parks
▣	Streets
▣	Incorp. Areas
▣	Secondary Roads
▣	Primary Roads
▣	Water
▣	Freeways
▣	Railroads
▣	Cemeteries
▣	Boundaries



Information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Instant Preview Report Map

Report ID: 2051-4901
 Site: 44 River Rd
 Middletown, CT 06457

★ Study Site	☆ Study Site Matches Database
FEDERAL DATABASES Radius (mi)	
■ NPL Sites	1.00
■ CERCLA (Active) Sites	1.00
■ CERCLA (NFRAP Archive) Sites	1.00
▲ RCRA TSD Sites	1.00
▲ RCRA Generator Sites	0.25
▲ CORRACTS Sites	1.00
▲ ERNS Sites	0.25
▲ PADS Sites	1.00
▲ TRI Sites	0.50
▲ SSTS Sites	1.00
▲ DOCKET Sites	1.00
▲ TSCA Sites	1.00
STATE DATABASES	
■ IHW (HWS) Sites	1.00
■ SWF Sites	1.00
■ LUST Sites	0.50
■ UST Sites	0.25
MULTIPLE MATCHES / AREAS	
○ Two Database Matches	
○ Three or More Matches	
■ Database Area Site	
MAP LEGEND	
■ Parks	— Streets
■ Incorp. Areas	— Secondary Roads
■ Water	— Primary Roads
■ Cemeteries	— Freeways
	— Railroads
	— Boundaries



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

Instant Preview Report Map

Report ID: 2051-4901
 Site: 44 River Rd
 Middletown, CT 06457

- ★ Study Site
- ⊕ Study Site Matches Database

FEDERAL DATABASES

Symbol	Database Name	Radius (mi)
■	NPL Sites	1.00
■	CERCLA (Active) Sites	1.00
■	CERCLA (NFRAP Archive) Sites	1.00
▲	RCRA TSD Sites	1.00
▲	RCRA Generator Sites	0.25
▼	CORRACTS Sites	1.00
▼	ERNS Sites	1.00
◆	PADS Sites	0.50
◆	TRI Sites	1.00
◆	SSTS Sites	1.00
◆	DOCKET Sites	1.00
◆	TSCA Sites	1.00

STATE DATABASES

■	IHW (HWS) Sites	1.00
◆	SWF Sites	1.00
◆	LUST Sites	0.50
◆	UST Sites	0.25

MULTIPLE MATCHES / AREAS

- ⊙ Two Database Matches
- ⊕ Three or More Matches
- ⊕ Database Area Site

MAP LEGEND

- Parks
- Incorp. Areas
- Water
- Cemeteries
- Streets
- Secondary Roads
- Primary Roads
- Freeways
- Railroads
- Boundaries



Note: The information contained on this map is subject to the general disclaimer on the first page.

EcoSearch Environmental Resources, Inc.

USGS 7.5 Minute Topographical Map

Report ID: 2051-4901
 Site: 44 River Rd
 Middletown, CT 06457

○ Study Site

Map Features are Color Coded

- Black – Cultural features such as roads and buildings.
- Blue – Hydrographic features such as lakes and rivers.
- Brown – Hypsographic (elevation) features shown by contour lines.
- Green – Woodland cover, scrub, orchards, and vineyards.
- Red – Important roads and public land survey system.
- Purple – Features added from aerial photographs during map revision. The changes are not field checked.

A detailed Topographic Map Symbols pamphlet is available from EcoSearch free upon request.

Topographical Maps:
 Middletown, CT – 1965
 Photorevised 1992
 Middle Haddam, CT – 1961
 Photorevised 1984



Source: United States Geological Survey, 7.5 minute Topographic Map (Digital Raster Graphics)

Site Summary

<u>Map ID#</u>	<u>Database / Agency ID#</u>	<u>Site Name, Address, and County</u>	<u>Distance/Direction</u>
1	UST Connecticut Underground Storage Tank 1503	WM R PETERSON OIL CO INC BULK TERMINAL 44 RIVER RD MIDDLETOWN, CT 06457-3918 MIDDLESEX	0.05723 mi W
2	UST Connecticut Underground Storage Tank 1532	40 UNION ST 40 UNION ST MIDDLETOWN, CT 06457-3414 MIDDLESEX	0.13702 mi WSW
3	RCRA Generator RCRA Notifier Site CTD983871294	SEARS ROEBUCK & CO DEKOVEN DR & COLLEGE ST MIDDLETOWN, CT 06457 MIDDLESEX	0.24431 mi WNW
4	UST Connecticut Underground Storage Tank 1588	NORTHERN MIDDLESEX YMCA 99 UNION ST MIDDLETOWN, CT 06457-3427 MIDDLESEX	0.24654 mi WSW
5A	CERCLA CERCLA Site CTD062199369	MARINO PROPERTY 50 WALNUT ST MIDDLETOWN, CT 06457-3848 MIDDLESEX	0.31453 mi SE
5B	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 950	MARINO PROPERTY 50 WALNUT ST MIDDLETOWN, CT 06457-3848 MIDDLESEX	0.31453 mi SE
6	LUST Connecticut Leaking Underground Storage Tank 1412	PERSONAL AUTO CARE 168 E MAIN ST MIDDLETOWN, CT 06457-3809 MIDDLESEX	0.42142 mi S
7	LUST Connecticut Leaking Underground Storage Tank 1411	U.S. POST OFFICE 11 SILVER ST MIDDLETOWN, CT 06457-9998 MIDDLESEX	0.46776 mi SSE
8	LUST Connecticut Leaking Underground Storage Tank 890804 06457 RO	RON'S SERVICE STATION 169 MAIN STREET EXT MIDDLETOWN, CT 06457-3814 MIDDLESEX	0.47220 mi S
9	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 2526	LIBERTY LTD. PARTNERSHIP 605 MAIN ST MIDDLETOWN, CT 06457-2730 MIDDLESEX	0.55138 mi WNW
10	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 1982	WITCO CORP 1 BROWNSTONE AVE PORTLAND, CT 06480-1942 MIDDLESEX	0.59784 mi N
11	PADS PCB Activity Database Site CTD000000006	CONNECTICUT VALLEY HOSPITAL SILVER ST MIDDLETOWN, CT 06450	0.64615 mi ESE Manually Geocoded*
12	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 671	KANDU MFG (NEW LOCATION) BROWNSTONE IND. PARK PORTLAND, CT	0.65396 mi NNE Agency Provided Lat/Long**
13	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 3261	ROUTE 17 OVERPASS UNDER THE OVERPASS SOUTH OF WARWICK STREET MIDDLETOWN, CT	0.67449 mi SW Manually Geocoded*

Site Summary

<u>Map ID#</u>	<u>Database / Agency ID#</u>	<u>Site Name, Address, and County</u>	<u>Distance/Direction</u>
14	TSCA Toxic Substances Control Act Inventory Site 006951V	CHEVRON U.S.A. INC. 51 BROWNSTONE AVE PORTLAND, CT 06480-1895 MIDDLESEX	0.70142 mi N
15	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 3099	RUSSELL SQUARE ASSOCIATES 395 E MAIN ST MIDDLETOWN, CT 06457-4506 MIDDLESEX	0.74725 mi SSE
16	CERCLA CERCLA Site (Delisted NFRAP Site) CTD052537826	KANDU MANUFACTURING (FORMER LOCATION) 77 BROWNSTONE AVE PORTLAND, CT 06480-1855 MIDDLESEX	0.76491 mi N
17A	RCRA TSD RCRA TSD and Generator CTD052542669	FENNER AMERICAN LTD 400 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.79573 mi SSE Manually Geocoded*
17B	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 707	FENNER AMERICA, LTD 400 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.79573 mi SSE Manually Geocoded*
17C	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 630	SUNOCO SERVICE STATION 380 NEW BRITAIN AVE PLAINVILLE, CT 06062-2016 HARTFORD	0.79573 mi SSE Manually Geocoded*
17D	CERCLA CERCLA Site (Delisted NFRAP Site) CTD052542669	FENNER AMERICA, LTD 400 E MAIN ST MIDDLETOWN, CT 06457-4509 MIDDLESEX	0.79573 mi SSE Manually Geocoded*
18	SWF Connecticut Solid Waste Facilities ECO1145	LOGANO TRUCKING 285 AIRLINE AVE PORTLAND, CT 06480-1926 MIDDLESEX	0.82783 mi NE
19	CERCLA CERCLA Site (Delisted NFRAP Site) CTD983869900	KANDU MANUFACTURING (NEW LOCATION) 304 AIRLINE AVE PORTLAND, CT 06480-1969 MIDDLESEX	0.84938 mi NE
20	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 3300	FORMER ROGERS & HUBBARD FACILITY 310 AIRLING AVENUE PORTLAND, CT	0.85580 mi NE
21A	RCRA TSD RCRA Disposal Facility CTD021814207	NORTH & JUDD INC 56 PAMECHA AVE MIDDLETOWN, CT 06457-4207 MIDDLESEX	0.87192 mi SW
21B	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 236	NORTH & JUDD FOUNDRY 56 PAMECHA AVE MIDDLETOWN, CT 06457-4207 MIDDLESEX	0.87192 mi SW
21C	CERCLA CERCLA Site (Delisted NFRAP Site) CTD021814207	NORTH & JUDD/G & W 56 PAMECHA AVE MIDDLETOWN, CT 06457-4207 MIDDLESEX	0.87192 mi SW
21D	PADS PCB Activity Database Site CTD021814207	WILCOX - CRITTENDEN FOUNDRY 56 PAMECHA AVE MIDDLETOWN, CT 06457-4207 MIDDLESEX	0.87192 mi SW

Site Summary

<u>Map ID#</u>	<u>Database / Agency ID#</u>	<u>Site Name, Address, and County</u>	<u>Distance/Direction</u>
22	IHW (IHS) Connecticut Inventory of Hazardous Waste Sites 3141	LOGANO COMPANIES 203 PICKERING ST PORTLAND, CT 06480-1962 MIDDLESEX	0.89245 mi NNW Agency Provided Lat/Long**

- * -- Manually Geocoded: Site plotted or corrected using paper maps, phone calls, and other resources to properly place the site on the map.
- ** -- Agency Provided Lat/Long: Site plotted using the latitude and longitude given by the federal or state government agency.
- *** -- Area Manually Plotted: Area manually drawn using digital and paper maps.

Detailed Data

The following pages contain the detailed data concerning the sites plotted on the map and included in the site summary.

Please Note: Pages are not included for databases not found within the search radii.

These pages are arranged as follows:

CERCLA Data

Delisted CERCLA Data

RCRA TSD and Generators Data

PADS Data

TSCA Data

Connecticut IHW Data

Connecticut SWF Data

Connecticut LUST Data

Connecticut UST Data

CERCLA Data

Comprehensive Environmental Response, Composition, and Liability Act Sites

Map ID#:	5A	Distance (mi):	0.314527	Facility Name:	MARINO PROPERTY
		Direction:	SE	Address:	50 WALNUT STREET
EPA ID#:	CTD062199369			City, State, Zip:	MIDDLETOWN, CT 06457
CERCLIS Site ID#:	0102630			County:	MIDDLESEX
Status:	This site is currently under investigation by the federal government to assess the extent of further action.				

Federal Facility Indicator:	Not a Federal Facility	NPL Status:	Not on the NPL
Ownership Indicator:	Private	RCRIS Facility Indicator:	Not Reported
Hydro Unit:	01080205		
Site Incident Category:	Not Reported		

Comments: Not Reported

<u>Event</u>	<u>Date Started</u>	<u>Date Completed</u>
DISCOVERY	Not Reported	1992-09-08
PRELIMINARY ASSESSMENT	Not Reported	1995-05-04
REMOVAL ASSESSMENT	1990-10-31	1990-10-31
REMOVAL ASSESSMENT	1999-06-30	1999-09-30
SITE INSPECTION	1994-09-07	1995-05-04

Alias Information: (If alias information is blank, no information was reported)

<u>Alias ID</u>	<u>Alias Name</u>	<u>Alias Address</u>	<u>Alias City</u>
	<u>Description (when available)</u>		

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#:	3	Distance (mi):	0.244313	Name:	SEARS ROEBUCK & CO	
		Direction:	WNW	Address:	DEKOVEN DR & COLLEGE ST	
EPA ID#:	CTD9883871294			City, State, Zip:	MIDDLETOWN	CT 06457
Status:	RCRA Notifier (Former RCRA Site)					
Land Type:	Private Land			SIC Code:		
				Contact Name:	JENNIFER-D SMITH	
				Contact Phone:	203-347-6912	

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#:	17A	Distance (mi):	0.795726	Name:	FENNER AMERICAN LTD	
		Direction:	SSE	Address:	400 E MAIN ST	
EPA ID#:	CTD052542669			City, State, Zip:	MIDDLETOWN	CT 06457
Status:	Large Quantity Generator Storage/Treatment Facility					
Land Type:	Unknown			SIC Code:	2241	
				Contact Name:	MARK-S STEPHENS	
				Contact Phone:	203-346-7721	

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	19841102001	Agency:	State	Evaluation Date:	11/02/1984
Eval. #:	19841127002	Agency:	State	Evaluation Date:	11/27/1984
Eval. #:	19851202003	Agency:	State	Evaluation Date:	12/02/1985
Eval. #:	19851202004	Agency:	State	Evaluation Date:	12/02/1985
Eval. #:	19890918005	Agency:	State	Evaluation Date:	09/18/1989
Eval. #:	19910228006	Agency:	State	Evaluation Date:	02/28/1991
Eval. #:	19980407	Agency:	State	Evaluation Date:	04/07/1998

VIOLATIONS

Viol. #:	CTD052542669S0001	Violation Type:	TSD - Closure / Post-Closure Requirements	Actual Resolution Date:	02/05/1986
Viol. #:	CTD052542669S0002	Violation Type:	TSD - Financial Responsibility Requirements	Actual Resolution Date:	02/05/1986
Viol. #:	CTD052542669S0003	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	02/05/1986
Viol. #:	CTD052542669S0004	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	03/03/1986
Viol. #:	CTD052542669S0005	Violation Type:	TSD - Closure / Post-Closure Requirements	Actual Resolution Date:	04/07/1998
Viol. #:	CTD052542669S0009	Violation Type:	TSD - Closure / Post-Closure Requirements	Actual Resolution Date:	04/07/1998
Viol. #:	CTD052542669S0011	Violation Type:	TSD - Closure / Post-Closure Requirements	Actual Resolution Date:	04/07/1998

ENFORCEMENTS

Enf. #:	19850827	Agency:	State	Type:	Initial 3008(a) Compliance Order	Date:	08/27/1985
Enf. #:	19850829001	Agency:	State	Type:	Final 3008(a) Compliance Order	Date:	08/29/1985

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

RCRA TSD and Generators Data

Facility and Compliance Information

No Corrective Action Instrument Information for this Site

Event Date	Event Description	Agency	Program	Reported Status
06/30/1990	RFA Completed	EPA	RCRA	Assessment was PA-Plus
09/15/1993	Corrective Action Prioritization	EPA	RCRA	Medium Priority
04/14/1995	Stabilization Measures Evaluation	EPA	RCRA	Not Reported

Map ID#:	21A	Distance (m):	0.871918	Name:	NORTH & JUDD INC	
		Direction:	SW	Address:	56 PAMEACHA AVE	
EPA ID#:	CTD021814207			City, State, Zip:	MIDDLETOWN	CT 06457
Status:	Land Disposal Site			SIC Code:	3362	
Land Type:	Unknown			Contact Name:	KAREN HARSELL	
				Contact Phone:	203-632-2600	

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	Agency:	Violation Type:	Evaluation Date:
19860128001	Oversight-by-EPA		01/28/1986
19870923002	State		09/23/1987
19880603003	State		06/03/1988
19890908004	State		09/08/1989
19900726005	State		07/26/1990
199301126	State		01/26/1993
19941128	State		11/28/1994

VIOLATIONS

Viol. #:	Violation Type:	Actual Resolution Date:
CTD021814207S0001	TSD - Financial Responsibility Requirements	01/26/1993
CTD021814207S0002	TSD - Other Requirement	12/22/1988
CTD021814207S0003	TSD - Other Requirement	12/22/1988
CTD021814207S0006	TSD - Land Ban Requirements	01/26/1993
CTD021814207S0008	Generator - Any Requirements	
CTD021814207S0009	Generator - Any Requirements	
CTD021814207S0010	Generator - Any Requirements	01/26/1993
CTD021814207S0011	Generator - Any Requirements	01/26/1993
CTD021814207S0012	Generator - Any Requirements	01/26/1993
CTD021814207S0013	Generator - Any Requirements	01/26/1993
CTD021814207S0014	Transporter - Any Requirements	01/26/1993
CTD021814207S0015	Generator - Any Requirements	01/26/1993
CTD021814207S0016	Generator - Any Requirements	01/26/1993
CTD021814207S0017	Generator - Any Requirements	01/26/1993
CTD021814207S0018	Generator - Any Requirements	01/26/1993
CTD021814207S0019	Generator - Any Requirements	01/26/1993
CTD021814207S0020	Generator - Any Requirements	01/26/1993

ENFORCEMENTS

Enf. #:	Agency:	Type:	Date:
19880920006	State	Final 3008(a) Compliance Order	09/20/1988
19920520	State	Civil Action for Compliance	05/20/1992
19940621	State	Final Judicial -- Judicial Orders	08/21/1994

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Event Date	Event Description	Agency	Program	Reported Status
08/19/1992	RFA Completed	EPA	RCRA	Assessment was PA-Plus
09/01/1992	Corrective Action Prioritization	EPA	RCRA	Medium Priority

PADS Data

PCB Activity Database Data

Map ID#:	11	Distance (mi):	0.646153	Name:	CONNECTICUT VALLEY HOSPITAL
		Direction:	ESE	Address:	SILVER ST
EPA ID:	CTD000000006			City, State, Zip:	MIDDLETOWN, CT 06450
				EPA Region:	1
Facility Ownership:	Not a Federal Facility				
Generator:	Inactive	Transport Facility:	No		
Storage Facility:	No	Disposal Facility:	No		

Map ID#:	21D	Distance (mi):	0.871918	Name:	WILCOX - CRITTENDEN FOUNDRY
		Direction:	SW	Address:	56 PAMEACHA AVE
EPA ID:	CTD021814207			City, State, Zip:	MIDDLETOWN, CT 06457
				EPA Region:	1
Facility Ownership:	Not a Federal Facility				
Generator:	Active	Transport Facility:	No		
Storage Facility:	No	Disposal Facility:	No		

Connecticut IHW Data

Connecticut Inventory of Hazardous Waste Sites List Data

Map ID#:	5B	Distance (m):	0.31453	Name:	MARINO PROPERTY
Agency ID:	950	Direction:	SE	Address:	50 WALNUT STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater	GB			Disposal Type:	Not Reportec
Waste Type:	LIQUID CHEMICALS				

Map ID#:	9	Distance (m):	0.55138	Name:	LIBERTY LTD. PARTNERSHIP
Agency ID:	2526	Direction:	WNW	Address:	605 MAIN STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater	Not Reported			Disposal Type:	Not Reportec
Waste Type:	Not Reported				

Map ID#:	10	Distance (m):	0.59784	Name:	WITCO CORP
Agency ID:	1982	Direction:	N	Address:	1 BROWNSTONE AVENUE
				City, State Zip:	PORTLAND, CT 06480
Groundwater	GB			Disposal Type:	Not Reportec
Waste Type:	Not Reported				

Map ID#:	12	Distance (m):	0.65396	Name:	KANDU MFG (NEW LOCATION)
Agency ID:	671	Direction:	NNE	Address:	BROWNSTONE IND. PARK
				City, State Zip:	PORTLAND, CT
Groundwater	GB			Disposal Type:	TO GROUND
Waste Type:	SOLVENTS				

Map ID#:	13	Distance (m):	0.67449	Name:	ROUTE 17 OVERPASS
Agency ID:	3261	Direction:	SW	Address:	UNDER THE OVERPASS SOUTH OF WARWICK STREET
				City, State Zip:	MIDDLETOWN, CT
Groundwater	Not Reported			Disposal Type:	Not Reportec
Waste Type:	Not Reported				

Map ID#:	15	Distance (m):	0.74725	Name:	RUSSELL SQUARE ASSOCIATES
Agency ID:	3099	Direction:	SSE	Address:	395 EAST MAIN STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater	GB			Disposal Type:	Not Reportec
Waste Type:	Not Reported				

Map ID#:	17B	Distance (m):	0.79573	Name:	FENNER AMERICA, LTD
Agency ID:	707	Direction:	SSE	Address:	400 EAST MAIN STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater	GA			Disposal Type:	SOIL AND GROUNDWATER
Waste Type:	SOLVENTS				

Connecticut IHW Data

Connecticut Inventory of Hazardous Waste Sites List Data

Map ID#:	17C	Distance (mi):	0.79573	Name:	SUNOCO SERVICE STATION
Agency ID:	630	Direction:	SSE	Address:	380 NEW BRITAIN AVENUE
				City, State Zip:	PLAINVILLE, CT 06062
Groundwater	GB/GA			Disposal Type:	UNDERGROUND TANKS
Waste Type:	WASTE OIL				

Map ID#:	20	Distance (mi):	0.85580	Name:	FORMER ROGERS & HUBBARD FACILITY
Agency ID:	3300	Direction:	NE	Address:	310 AIRLING AVENUE
				City, State Zip:	PORTLAND, CT
Groundwater	Not Reported			Disposal Type:	Not Reported
Waste Type:	Not Reported				

Map ID#:	21B	Distance (mi):	0.87192	Name:	NORTH & JUDD FOUNDRY
Agency ID:	236	Direction:	SW	Address:	56 PAMEACHA AVENUE
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater	GB			Disposal Type:	SEPTIC SYSTEM
Waste Type:	METALS, SOLVENTS				

Map ID#:	22	Distance (mi):	0.89245	Name:	LOGANO COMPANIES
Agency ID:	3141	Direction:	NNW	Address:	203 PICKERING STREET
				City, State Zip:	PORTLAND, CT 06480
Groundwater	GB			Disposal Type:	Not Reported
Waste Type:	Not Reported				

Connecticut SWF Data
Connecticut Solid Waste Facilities Data

Map ID:	18	Distance (mi):	0.82783	Name:	LOGANO TRUCKING
		Direction:	NE	Address:	285 AIRLINE AVENUE
Permit ID:	1130354	Waste Type:	C&D	Town:	PORTLAND

Connecticut LUST Data

Connecticut Leaking Underground Storage Tank Data

Map ID#: 6		Distance (mi):	0.42142				
		Direction:	S				
Agency ID:		1412					
Name:		PERSONAL AUTO CARE					
Address:		168 EAST MAIN ST.					
City, State, Zip:		MIDDLETOWN, CT 06457					
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>
02/02/89	STEEL/UNKNOWN	Gasoline	Yes	Yes	SOIL REMOVAL	Yes	No
<hr/>							
Map ID#: 7		Distance (mi):	0.46776				
		Direction:	SSE				
Agency ID:		1411					
Name:		U.S. POST OFFICE					
Address:		11 SILVER ST.					
City, State, Zip:		MIDDLETOWN, CT 06457					
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>
02/28/90	6000/STEEL	Heating Fuel	Yes	No	SOIL REMOVAL	Yes	Yes
03/14/90	10,000/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	No	Yes
<hr/>							
Map ID#: 8		Distance (mi):	0.47220				
		Direction:	S				
Agency ID:		890804 06457 RO					
Name:		RON'S SERVICE STATION					
Address:		169 MAIN ST EXT.					
City, State, Zip:		MIDDLETOWN, CT 06457					
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>
08/04/89	STEEL/8000	Gasoline	Yes	Yes	SOIL REMOVAL	Yes	No
08/04/89	STEEL/8000	Gasoline	Yes	Yes	SOIL REMOVAL	Yes	No

Connecticut UST Data

Connecticut Registered Underground Storage Tank Data

Map ID#: 1 Distance (mi): 0.05723
 Direction: W
 Agency ID: 1503
 Name: WM R PETERSON OIL CO INC BULK TERMINAL Owner: WM R PETERSON OIL CO INC
 Address: 44 RIVER RD Owner Address: 44 RIVER RD.
 City, State, Zip: MIDDLETOWN, CT 06457 City, State, Zip: Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Diesel	3,000	07/01/1969
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	3,000	07/01/1965
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	3,000	07/01/1965

Map ID#: 2 Distance (mi): 0.13702
 Direction: WSW
 Agency ID: 1532
 Name: 40 UNION ST Owner: PHILIP H REDFORD
 Address: 40 UNION ST Owner Address: 809 WASHINGTON ST.
 City, State, Zip: MIDDLETOWN, CT 06457 City, State, Zip: Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	1,000	11/01/1974
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	1,000	11/01/1974

Map ID#: 4 Distance (mi): 0.24654
 Direction: WSW
 Agency ID: 1588
 Name: NORTHERN MIDDLESEX YMCA Owner: NORTHERN MIDDLESEX YMCA
 Address: 99 UNION ST Owner Address: 99 UNION ST.
 City, State, Zip: MIDDLETOWN, CT 06457 City, State, Zip: Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil	5,000	01/01/1971

Unmappable Sites

A limitation of many records of governmental databases is incomplete or incorrect address information. Without proper addresses, it is more difficult to locate and map these sites.

Instead of leaving these potentially important sites out of the manually geocoded EcoSearch report, we implement a painstaking manual geocoding strategy aimed at plotting these unmappable sites by looking at zip codes, city names, and county names identified with the radius around your study site. The zip codes, cities, and counties searched are identified on the EcoSearch Statistical Overview page.

Our sophisticated mapping software, enhanced TIGER street maps, and address correction database processing methods find and plot most environmental sites. We then perform manual geocoding, plotting those sites the computer fails to find using a variety of resources. These include using our in-house collection of paper maps, directories, cross-referencing database information, and calling post offices, local government, or the sites themselves to accurately locate environmental records. We also correct obvious TIGER street map errors and omissions.

This effort at manual geocoding results in a short or non-existent orphan/unmappable list and increases accuracy and reliability of the data in our reports. The EcoSearch Instant Online and Preview reports take advantage of all previous geocoding work that has been done providing the highest quality report virtually instantaneously. The potential remains that an order can be placed in an area which has not been worked, thus resulting in more unmappables than typically associated with an EcoSearch report.

The limited number of sites which could not be reasonably found through our geocoding strategy are presented in this section for further review to assess their impact on your study site.

After the summary unmappable site information, the detailed data follows.

Unmappable Sites

<u>Database</u>	<u>Agency ID#</u>	<u>Site Name and Address</u>	<u>County</u>
UST Connecticut Underground Storage Tank	1438	WOODROW WILSON MIDDLE SCHOOL 1 WILDERMAN WAY MIDDLETOWN, CT 06457-2114	MIDDLESEX
UST Connecticut Underground Storage Tank	1442	LAWRENCE SCHOOL MILE LANE MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1527	RIVERVIEW CENTER 100 RIVERVIEW CTR MIDDLETOWN, CT 06457-3401	MIDDLESEX
UST Connecticut Underground Storage Tank	1530	TILCON TOMASSO, INC. HARBOR DR., WATER ST MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1541	A. BRAZOS & SONS, INC. RANDOLPH ROAD MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1552	STARR MILL BEVERLY HEIGHTS MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1579	MEADOWWAY APARTMENTS ROSE CIRCLE MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1582	SUMMER HILL APT SUMMERHILL RD MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1584	NEW MEADOWS PLAZA DR MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1586	STONECREST APTS STONECREST DR MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1607	JACKSON REALTY/CORRUGATED RIVER RD MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1613	WILLOWCREST APARTMENTS STONECREST DRIVE MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1616	WOODBURY APTS WOODBURY CIRCLE MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	2874	PRATT & WHITNEY MIDDLETOWN PLANT AIRCRAFT ROAD MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	9073	MIDDLETOWN MAINTENANCE FACILITY PADDOCK ROAD MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	9075	RIVERVIEW HOSPITAL PO BOX 621 MIDDLETOWN, CT 06457-0621	MIDDLESEX
UST Connecticut Underground Storage Tank	9834	CENACLE CONVENT WADSWORTH ST. MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	9837	VOCATIONAL AGRICULTURE CENTER HUNTING HILL AVENUE MIDDLETOWN, CT 06457	

Unmappable Sites

Database

PADS
PCB Activity Database Site

Agency ID#

CTD003935905

Site Name and Address

UNITED TECH PRATT & WHITNEY
AIRCRAFT RD
MIDDLETOWN, CT 06457

County

Unmappable Sites

<u>Database</u>	<u>Agency ID#</u>	<u>Site Name and Address</u>	<u>County</u>
LUST Connecticut Leaking Underground Storage Tank	1389	WESLEYAN UNIVERSITY POWER PLANT MIDDLETOWN, CT 06457	
LUST Connecticut Leaking Underground Storage Tank	1427	SNOW SCHOOL WADSWORTH ST. MIDDLETOWN, CT 06457	
LUST Connecticut Leaking Underground Storage Tank	1607	JACKSON COORUGATED CONTAINER 0 MIDDLETOWN, CT 06457	
LUST Connecticut Leaking Underground Storage Tank	2874	PRATT & WHITNEY AIRPORT RD. MIDDLETOWN, CT 06457	
LUST Connecticut Leaking Underground Storage Tank	900214 06457 AR	ARMY RESERVE CENTER MILE LN. MIDDLETOWN, CT 06457	
LUST Connecticut Leaking Underground Storage Tank	911010 06457 LC	LCI FORD NORTH MAIN ST. MIDDLETOWN, CT 06457	
LUST Connecticut Leaking Underground Storage Tank	950328 06457 HU	HUBERT E. BUTLER CONSTRUCTION JOHNSON ST. MIDDLETOWN, CT 06457	
LUST Connecticut Leaking Underground Storage Tank	9839	MIDDLETOWN HIGH SCHOOL HUNTING HILL AVE. MIDDLETOWN, CT 06457	
TRI Toxic Release Inventory Site	06457PRTTWAIRCR	PRATT & WHITNEY AIRCRAFT RD. MIDDLETOWN, CT 06457	MIDDLESEX
DOCKET Civil Enforcement Docket	01-89-0017C	UNITED TECHNOLOGIES CORP AIRCRAFT RD MIDDLETOWN, CT 06457	
RCRA TSD RCRA TSD and Generator	CTD003935905	PRATT & WHITNEY MIDDLETOWN AIRCRAFT RD MIDDLETOWN, CT 06457	MIDDLESEX
RCRA Generator RCRA Small Quantity Generator	CTD983895624	WESLEYAN UNIVERSITY HALL AT WATER LAB LAWN AVE MIDDLETOWN, CT 06457	MIDDLESEX
RCRA Generator RCRA Notifier Site	CTR000005702	WADSWORTH FALLS STATE PARK ROUTE 157 MIDDLETOWN, CT 06457	MIDDLESEX
CORRACTS RCRA CORRACTS (Corrective Action) Site	CTD003935905	PRATT & WHITNEY MIDDLETOWN AIRCRAFT RD MIDDLETOWN, CT 06457	MIDDLESEX
UST Connecticut Underground Storage Tank	10094	GILLETTI'S MAIN STREET EXT. MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	11003	CENNACLE MIDDLETOWN WADSWORTH AVE MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1423	SPENCER SCHOOL WESTFIELD ST MIDDLETOWN, CT 06457	
UST Connecticut Underground Storage Tank	1429	WESLEY SCHOOL WESLEYAN HILLS RD MIDDLETOWN, CT 06457	

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#:	11UN	Distance (mi):	0.000000	Name:	PRATT & WHITNEY MIDDLETOWN
EPA ID#:	CTD003935905	Direction:		Address:	AIRCRAFT RD
Status:	Large Quantity Generator Land Disposal Site Storage/Treatment Facility			City, State, Zip:	MIDDLETOWN CT 06457
Land Type:	Private Land	SIC Code:	3728	Contact Name:	GEORGE KATSARAKES
		Contact Phone:	203-565-4887		

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	19840321001	Agency:	State	Evaluation Date:	03/21/1984
Eval. #:	19840321003	Agency:	Oversight-by-EPA	Evaluation Date:	03/21/1984
Eval. #:	19840322002	Agency:	State	Evaluation Date:	03/22/1984
Eval. #:	19850607004	Agency:	State	Evaluation Date:	06/07/1985
Eval. #:	19860926005	Agency:	State	Evaluation Date:	09/26/1986
Eval. #:	19860926006	Agency:	State	Evaluation Date:	09/26/1986
Eval. #:	19870225008	Agency:	Oversight-by-EPA	Evaluation Date:	02/25/1987
Eval. #:	19870514007	Agency:	State	Evaluation Date:	05/14/1987
Eval. #:	19880930009	Agency:	Oversight-by-EPA	Evaluation Date:	09/30/1988
Eval. #:	19890815010	Agency:	State	Evaluation Date:	08/15/1989
Eval. #:	19900906011	Agency:	State	Evaluation Date:	09/06/1990
Eval. #:	19900927012	Agency:	EPA Personnel	Evaluation Date:	09/27/1990
Eval. #:	19910808	Agency:	EPA Personnel	Evaluation Date:	08/08/1991
Eval. #:	19920529	Agency:	State	Evaluation Date:	05/29/1992
Eval. #:	19920908	Agency:	State	Evaluation Date:	09/08/1992
Eval. #:	19930913	Agency:	State	Evaluation Date:	09/13/1993
Eval. #:	19960910	Agency:	State	Evaluation Date:	09/10/1996
Eval. #:	19970627	Agency:	EPA Personnel	Evaluation Date:	06/27/1997
Eval. #:	19980105	Agency:	EPA Personnel	Evaluation Date:	01/05/1998
Eval. #:	19980128	Agency:	State	Evaluation Date:	01/28/1998
Eval. #:	19990603	Agency:	State	Evaluation Date:	06/03/1999

VIOLATIONS

Viol. #:	CTD003935905E0020	Violation Type:	TSD - Other Requirement		
Viol. #:	CTD003935905E0021	Violation Type:	TSD - Other Requirement		
Viol. #:	CTD003935905E0022	Violation Type:	Generator - Land Ban Requirement		
Viol. #:	CTD003935905E0023	Violation Type:	TSD - Land Ban Requirements		
Viol. #:	CTD003935905E0029	Violation Type:	TSD - Other Requirement		
Viol. #:	CTD003935905E0030	Violation Type:	TSD - Land Ban Requirements	Actual Resolution Date:	09/18/1996
Viol. #:	CTD003935905E0031	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD003935905E0032	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD003935905E0033	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD003935905E0034	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD003935905E0035	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD003935905E0036	Violation Type:	Generator - Any Requirements		
Viol. #:	CTD003935905S0002	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0003	Violation Type:	TSD - Closure / Post-Closure Requirements	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0004	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0005	Violation Type:	Former Enforcement Agreement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0006	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0007	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0008	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0009	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0012	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0013	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0014	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0015	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0016	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0017	Violation Type:	Generator - Land Ban Requirement	Actual Resolution Date:	05/29/1992

RCRA TSD and Generators Data

Facility and Compliance Information

Viol. #:	CTD003935905S0018	Violation Type:	TSD - Land Ban Requirements	Actual Resolution Date:	05/29/1992
Viol. #:	CTD003935905S0019	Violation Type:	TSD - Groundwater Monitoring Requirements	Actual Resolution Date:	06/03/1999
Viol. #:	CTD003935905S0020	Violation Type:	Generator - Any Requirements	Actual Resolution Date:	09/13/1993
Viol. #:	CTD003935905S0022	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	04/28/1994
Viol. #:	CTD003935905S0023	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	04/28/1994
Viol. #:	CTD003935905S0024	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	01/16/1997
Viol. #:	CTD003935905S0025	Violation Type:	TSD - Groundwater Monitoring Requirements	Actual Resolution Date:	07/30/1999
Viol. #:	CTD003935905S0026	Violation Type:	TSD - Groundwater Monitoring Requirements	Actual Resolution Date:	07/30/1999
Viol. #:	CTD003935905X0001	Violation Type:	TSD - Groundwater Monitoring Requirements	Actual Resolution Date:	06/07/1985
Viol. #:	CTD003935905X0010	Violation Type:	TSD - Groundwater Monitoring Requirements	Actual Resolution Date:	08/02/1988
Viol. #:	CTD003935905X0011	Violation Type:	TSD - Other Requirement	Actual Resolution Date:	08/02/1988

ENFORCEMENTS

Enf. #:	19841001004	Agency:	EPA Oversight	Type:	Referral from EPA to State	Date:	10/01/1984
Enf. #:	19850607005	Agency:	State	Type:	Written Informal	Date:	06/07/1985
Enf. #:	19850822007	Agency:	State	Type:	Written Informal	Date:	08/22/1985
Enf. #:	19870622017	Agency:	EPA Oversight	Type:	Initial 3008(a) Compliance Order	Date:	06/22/1987
Enf. #:	19880802019	Agency:	EPA Oversight	Type:	Final 3008(a) Compliance Order	Date:	08/02/1988
Enf. #:	19900904024	Agency:	EPA	Type:	Civil Action for Compliance	Date:	09/04/1990
Enf. #:	19910401036	Agency:	EPA	Type:	Civil Action for Compliance	Date:	04/01/1991
Enf. #:	19931019	Agency:	EPA	Type:	Final Judicial -- Consent Decrees	Date:	10/19/1993
Enf. #:	19940307	Agency:	State	Type:	Written Informal	Date:	03/07/1994
Enf. #:	19961213	Agency:	State	Type:	Written Informal	Date:	12/13/1996
Enf. #:	19990628	Agency:	State	Type:	Written Informal	Date:	06/28/1999
Enf. #:	19990930	Agency:	EPA	Type:	Initial 3008(a) Compliance Order	Date:	09/30/1999

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

Instrument Type: **Operating Permit** Responsible Agency: **EPA**
 Effective Date: **09/29/1988** Issuance Date: **09/29/1988** Revocation Date: _____ Responsible Program: _____
 Legal Authority: **RCRA 3004(u) or equivalent** Corrective Action Area Description: **ENTIRE FACILITY**

Event Date	Event Description	Agency	Program	Reported Status
08/24/1987	RFA Completed	EPA		Not Reported
09/29/1988	RFI Imposition	EPA		Not Reported
09/30/1991	RFI Workplan Approved	EPA		Not Reported
10/01/1991	Corrective Action Prioritization	EPA	RCRA	High Priority
07/17/1992	Stabilization Measures Evaluation	EPA	RCRA	Facility amenable to stabilization activity
07/07/1993	Stabilization Measures Implemented	EPA	RCRA	Primary measure is source removal/treatment
08/17/1993	Stabilization Measures Implemented	EPA	RCRA	Primary measure is source removal/treatment
09/01/1993	Stabilization Construction Completed	EPA	RCRA	Not Reported
06/30/1995	Stabilization Construction Completed	EPA	RCRA	Not Reported
10/16/1995	Stabilization Measures Implemented	EPA	RCRA	Groundwater extraction and treatment
09/16/1996	Stabilization Measures Implemented	EPA	RCRA	Primary measure is source removal/treatment
09/18/1996	Human Exposures Controlled Determination	EPA	RCRA	Not Reported
09/18/1996	Groundwater Releases Controlled Determination	EPA	RCRA	Not Reported

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#: **12UN** Distance (mi): **0.000000** Name: **WESLEYAN UNIVERSITY HALL ATWATER LAB**
EPA ID#: **CTD983895624** Direction: Address: **LAWN AVE**
Status: **Small Quantity Generator** City, State, Zip: **MIDDLETOWN CT 06457**

Land Type: **Private Land** SIC Code:
Contact Name: **DONALD ALBERT**
Contact Phone: **203-347-9411**

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

Map ID#: **13UN** Distance (mi): **0.000000** Name: **WADSWORTH FALLS STATE PARK**
EPA ID#: **CTR000005702** Direction: Address: **ROUTE 157**
Status: **RCRA Notifier (Former RCRA Site)** City, State, Zip: **MIDDLETOWN CT 06457**

Land Type: **State Land** SIC Code:
Contact Name: **ENVR ENG**
Contact Phone: **999-999-9999**

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #: **19980720** Agency: **State** Evaluation Date: **07/20/1998**

RAATS (RCRA Administrative Action Tracking System) Data

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and Event Data

No Corrective Action Instrument Information for this Site

RCRA Corrective Action Data (CORRACTS)

Instrument and Events Data

Map ID#:	1411N	Distance (mi):	0.00		
		Direction:			
EPA ID#:	CTD003935905	Name:	PRATT & WHITNEY MIDDLETOWN		
		Address:	AIRCRAFT RD		
Instrument Type:	Operating Permit	City, State Zip:	MIDDLETOWN, CT 06457		
Effective Date:	09/29/1988	Responsible Agency:	EPA		
Issuance Date:	09/29/1988	Responsible Program:	Not Reported		
Revocation Date:	Not Reported				

Legal Authority
RCRA 3004(u) or equivalent

Corrective Action Area Description
ENTIRE FACILITY

Event Information

Event Date	Event Description	Agency	Program	Reported Status
09/18/1996	Human Exposures Controlled Determination	EPA	RCRA	Not Reported
09/18/1996	Groundwater Releases Controlled Determination	EPA	RCRA	Not Reported
09/16/1996	Stabilization Measures Implemented	EPA	RCRA	Primary measure is source removal/treatment
10/16/1995	Stabilization Measures Implemented	EPA	RCRA	Groundwater extraction and treatment
06/30/1995	Stabilization Construction Completed	EPA	RCRA	Not Reported
09/01/1993	Stabilization Construction Completed	EPA	RCRA	Not Reported
08/17/1993	Stabilization Measures Implemented	EPA	RCRA	Primary measure is source removal/treatment
07/07/1993	Stabilization Measures Implemented	EPA	RCRA	Primary measure is source removal/treatment
07/17/1992	Stabilization Measures Evaluation	EPA	RCRA	Facility amenable to stabilization activity
10/01/1991	Corrective Action Prioritization	EPA	RCRA	High Priority
09/30/1991	RFI Workplan Approved	EPA	Not Reported	Not Reported
09/29/1988	RFI Imposition	EPA	Not Reported	Not Reported
08/24/1987	RFA Completed	EPA	Not Reported	Not Reported

PADS Data

PCB Activity Database Data

Map ID#:	37UN	Distance (mi):	0.000000	Name:	UNITED TECH PRATT & WHITNEY
		Direction:		Address:	AIRCRAFT RD
EPA ID:	CTD003935905			City, State, Zip:	MIDDLETOWN, CT 06457
				EPA Region:	1
Facility Ownership:	Not a Federal Facility				
Generator:	Active	Transport Facility:	No		
Storage Facility:	No	Disposal Facility:	No		

TRI Data

Toxic Release Inventory Data

Map ID#: SUN **Distance:** 0.000000
Agency ID: 06457PRTTWAIRCR **Name:** PRATT & WHITNEY
EPA ID#: CTD003935905 **Address:** AIRCRAFT RD.
SIC Code: 3724 **City, State, Zip:** MIDDLETOWN, CT 06457

Submission Year:	1987	Substance:	HYDRAZINE				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
600.00	0.00	0.00	0.00	0.00	0.00	600.00	
Submission Year:	1987	Substance:	COBALT COMPOUNDS				
		Maximum Amount On Site (lbs):	100,000 TO 999,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
15.00	13.00	0.00	120.00	0.00	0.00	148.00	
Submission Year:	1987	Substance:	SODIUM HYDROXIDE (SOLUTION)				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
706.00	0.00	0.00	0.00	0.00	10,000.00	10,706.00	
Submission Year:	1987	Substance:	SULFURIC ACID				
		Maximum Amount On Site (lbs):	100,000 TO 999,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
6,320.00	0.00	0.00	0.00	0.00	110,000.00	116,320.00	
Submission Year:	1987	Substance:	NITRIC ACID				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
940.00	0.00	0.00	0.00	0.00	17,000.00	17,940.00	
Submission Year:	1987	Substance:	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)				
		Maximum Amount On Site (lbs):	100,000 TO 999,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
2,760.00	0.00	0.00	0.00	0.00	79,000.00	81,760.00	
Submission Year:	1987	Substance:	FREON 113				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
6,600.00	0.00	0.00	0.00	0.00	160.00	6,760.00	
Submission Year:	1987	Substance:	COPPER COMPOUNDS				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
<u>Amount Released or Transported Previous Year (lbs):</u>							
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
12.00	12.00	0.00	81.00	0.00	0.00	105.00	

TRI Data

Toxic Release Inventory Data

Submission Year:	1987		Substance:	ALUMINUM OXIDE (FIBROUS FORMS)			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
4,900.00	0.00	0.00	9,400.00	0.00	470,000.00	484,300.00	
Submission Year:	1987		Substance:	NICKEL COMPOUNDS			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
320.00	310.00	0.00	35,000.00	0.00	0.00	35,630.00	
Submission Year:	1987		Substance:	1,1,1-TRICHLOROETHANE			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
360,320.00	0.00	0.00	0.00	0.00	540.00	360,860.00	
Submission Year:	1987		Substance:	CHROMIUM COMPOUNDS			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
160.00	150.00	0.00	14,000.00	0.00	480.00	14,790.00	
Submission Year:	1988		Substance:	1,1,1-TRICHLOROETHANE			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
310,000.00	0.00	0.00	0.00	0.00	4,800.00	314,800.00	
Submission Year:	1988		Substance:	ALUMINUM OXIDE (FIBROUS FORMS)			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
1,380.00	73.00	0.00	4,400.00	0.00	222,800.00	228,653.00	
Submission Year:	1988		Substance:	CHROMIUM COMPOUNDS			
			Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
243.00	48.00	0.00	18,000.00	0.00	2,440.00	20,731.00	
Submission Year:	1988		Substance:	COBALT			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
50.00	4.00	0.00	1,600.00	0.00	759.00	2,413.00	
Submission Year:	1988		Substance:	FREON 113			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
28,000.00	0.00	0.00	0.00	0.00	0.00	28,000.00	

TRI Data

Toxic Release Inventory Data

Submission Year:	1988	Substance:	HYDRAZINE				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
28.00	0.00	0.00	28.00	0.00	0.00	56.00	
Submission Year:	1988	Substance:	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
773.00	0.00	0.00	0.00	0.00	22,000.00	22,773.00	
Submission Year:	1988	Substance:	NICKEL				
		Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
440.00	99.00	0.00	40,000.00	0.00	4,090.00	44,629.00	
Submission Year:	1988	Substance:	NITRIC ACID				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
1,120.00	0.00	0.00	0.00	0.00	21,000.00	22,120.00	
Submission Year:	1988	Substance:	SODIUM HYDROXIDE (SOLUTION)				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
1,110.00	0.00	0.00	0.00	0.00	20,000.00	21,110.00	
Submission Year:	1988	Substance:	SULFURIC ACID				
		Maximum Amount On Site (lbs):	10,000 TO 99,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
2,340.00	0.00	0.00	0.00	0.00	41,000.00	43,340.00	
Submission Year:	1989	Substance:	1,1,1-TRICHLOROETHANE				
		Maximum Amount On Site (lbs):	100,000 TO 999,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
270,000.00	0.00	0.00	0.00	0.00	34,000.00	304,000.00	
Submission Year:	1989	Substance:	CHROMIUM				
		Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
247.00	19.00	0.00	9,700.00	0.00	2,000.00	11,966.00	
Submission Year:	1989	Substance:	COBALT				
		Maximum Amount On Site (lbs):	100,000 TO 999,999				
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
47.00	2.00	0.00	2,900.00	0.00	432.00	3,381.00	

TRI Data

Toxic Release Inventory Data

Submission Year:	1989		Substance:	FREON 113			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
16,000.00	0.00	0.00	0.00	0.00	3,600.00	19,600.00	
Submission Year:	1989		Substance:	HYDRAZINE			
	Maximum Amount On Site (lbs):		1,000 TO 9,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
16.00	0.00	0.00	16.00	0.00	0.00	32.00	
Submission Year:	1989		Substance:	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
710.00	0.00	0.00	0.00	0.00	21,000.00	21,710.00	
Submission Year:	1989		Substance:	NICKEL			
	Maximum Amount On Site (lbs):		1,000,000 TO 9,999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
440.00	31.00	0.00	28,000.00	0.00	3,440.00	31,911.00	
Submission Year:	1989		Substance:	NITRIC ACID			
	Maximum Amount On Site (lbs):		1,000 TO 9,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
523.00	0.00	0.00	0.00	0.00	9,500.00	10,023.00	
Submission Year:	1989		Substance:	SULFURIC ACID			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
928.00	0.00	0.00	0.00	0.00	15,000.00	15,928.00	
Submission Year:	1990		Substance:	CHROMIUM			
	Maximum Amount On Site (lbs):		1,000,000 TO 9,999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
299.00	32.00	0.00	0.00	0.00	386.00	717.00	
Submission Year:	1990		Substance:	COBALT			
	Maximum Amount On Site (lbs):		100,000 TO 999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
67.00	12.00	0.00	0.00	0.00	106.00	185.00	
Submission Year:	1990		Substance:	FREON 113			
	Maximum Amount On Site (lbs):		1,000 TO 9,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
8,700.00	0.00	0.00	0.00	0.00	2,800.00	11,500.00	

TRI Data

Toxic Release Inventory Data

Submission Year:	1990		Substance:	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
777.00	0.00	0.00	0.00	0.00	26,700.00	27,477.00	
Submission Year:	1990		Substance:	NICKEL			
			Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
640.00	49.00	0.00	0.00	0.00	745.00	1,434.00	
Submission Year:	1990		Substance:	NITRIC ACID			
			Maximum Amount On Site (lbs):	1,000 TO 9,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
1,060.00	0.00	0.00	0.00	0.00	19,000.00	20,060.00	
Submission Year:	1990		Substance:	SULFURIC ACID			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
40.00	0.00	0.00	0.00	0.00	0.00	40.00	
Submission Year:	1990		Substance:	1,1,1-TRICHLOROETHANE			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
290,000.00	0.00	0.00	0.00	0.00	35,029.00	325,029.00	
Submission Year:	1991		Substance:	1,1,1-TRICHLOROETHANE			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
230,000.00	0.00	0.00	0.00	0.00	5,504.00	235,504.00	
Submission Year:	1991		Substance:	CHROMIUM			
			Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
216.00	47.00	0.00	0.00	0.00	172,280.00	172,543.00	
Submission Year:	1991		Substance:	COBALT			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
47.00	2.00	0.00	0.00	0.00	9,789.00	9,838.00	
Submission Year:	1991		Substance:	COPPER			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
4.00	21.00	0.00	0.00	0.00	3,207.00	3,232.00	

TRI Data

Toxic Release Inventory Data

Submission Year:	1991		Substance:	FREON 113			
	Maximum Amount On Site (lbs):		1,000 TO 9,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
7,500.00	0.00	0.00	0.00	0.00	3,920.00	11,420.00	
Submission Year:	1991		Substance:	NICKEL			
	Maximum Amount On Site (lbs):		1,000,000 TO 9,999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
370.00	83.00	0.00	0.00	0.00	264,084.00	264,537.00	
Submission Year:	1991		Substance:	NITRIC ACID			
	Maximum Amount On Site (lbs):		1,000 TO 9,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
544.00	0.00	0.00	0.00	0.00	9,700.00	10,244.00	
Submission Year:	1991		Substance:	SULFURIC ACID			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
17.00	0.00	0.00	0.00	0.00	210.00	227.00	
Submission Year:	1992		Substance:	1,1,1-TRICHLOROETHANE			
	Maximum Amount On Site (lbs):		100,000 TO 999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
180,000.00	0.00	0.00	0.00	0.00	19,780.00	199,780.00	
Submission Year:	1992		Substance:	CHROMIUM			
	Maximum Amount On Site (lbs):		1,000,000 TO 9,999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
164.00	39.00	0.00	0.00	0.00	131,678.00	131,881.00	
Submission Year:	1992		Substance:	COBALT			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
32.00	1.00	0.00	0.00	0.00	7,300.00	7,333.00	
Submission Year:	1992		Substance:	COPPER			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
2.00	57.00	0.00	0.00	0.00	2,908.00	2,967.00	
Submission Year:	1992		Substance:	NICKEL			
	Maximum Amount On Site (lbs):		1,000,000 TO 9,999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
350.00	75.00	0.00	0.00	0.00	233,484.00	233,909.00	

TRI Data

Toxic Release Inventory Data

Submission Year:	1992		Substance:	SULFURIC ACID			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
13.00	0.00	0.00	0.00	0.00	0.00	13.00	
Submission Year:	1993		Substance:	1,1,1-TRICHLOROETHANE			
	Maximum Amount On Site (lbs):		100,000 TO 999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
190,000.00	0.00	0.00	0.00	0.00	68,036.00	258,036.00	
Submission Year:	1993		Substance:	CHROMIUM			
	Maximum Amount On Site (lbs):		1,000,000 TO 9,999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
120.00	20.00	0.00	0.00	0.00	97,257.00	97,397.00	
Submission Year:	1993		Substance:	COBALT			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
27.00	0.00	0.00	0.00	0.00	5,069.00	5,096.00	
Submission Year:	1993		Substance:	COPPER			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
4.00	44.00	0.00	0.00	0.00	3,528.00	3,576.00	
Submission Year:	1993		Substance:	NICKEL			
	Maximum Amount On Site (lbs):		1,000,000 TO 9,999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
251.00	31.00	0.00	0.00	0.00	182,831.00	183,113.00	
Submission Year:	1993		Substance:	SULFURIC ACID			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
16.00	0.00	0.00	0.00	0.00	21.00	37.00	
Submission Year:	1993		Substance:	PHOSPHORIC ACID			
	Maximum Amount On Site (lbs):		10,000 TO 99,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
10.00	0.00	0.00	0.00	0.00	24,030.00	24,040.00	
Submission Year:	1994		Substance:	1,1,1-TRICHLOROETHANE			
	Maximum Amount On Site (lbs):		100,000 TO 999,999				
	<u>Amount Released or Transported Previous Year (lbs):</u>						
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
69,002.00	0.00	0.00	0.00	0.00	36,906.00	105,908.00	

TRI Data

Toxic Release Inventory Data

Submission Year:	1994		Substance:	NICKEL			
			Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
220.00	9.00	0.00	0.00	0.00	181,088.00	181,317.00	
Submission Year:	1994		Substance:	CHROMIUM			
			Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
141.00	4.00	0.00	0.00	0.00	110,914.00	111,059.00	
Submission Year:	1994		Substance:	COBALT			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
21.00	0.00	0.00	0.00	0.00	3,993.00	4,014.00	
Submission Year:	1994		Substance:	COPPER			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
11.00	15.00	0.00	0.00	0.00	2,554.00	2,580.00	
Submission Year:	1995		Substance:	CHROMIUM			
			Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
223.00	8.00	0.00	0.00	0.00	142,792.00	143,023.00	
Submission Year:	1995		Substance:	COBALT			
			Maximum Amount On Site (lbs):	100,000 TO 999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
49.00	8.00	0.00	0.00	0.00	29,688.00	29,745.00	
Submission Year:	1995		Substance:	NICKEL			
			Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
410.00	34.00	0.00	0.00	0.00	304,303.00	304,747.00	
Submission Year:	1995		Substance:	NITRIC ACID			
			Maximum Amount On Site (lbs):	10,000 TO 99,999			
			<u>Amount Released or Transported Previous Year (lbs):</u>				
Air	Water	Underground	Land	Pub. Owned Treatment	Offsite Transfer	Total	
108.00	0.00	0.00	0.00	0.00	1,200.00	1,308.00	

DOCKET Data

Civil Enforcement Docket

Map ID#: **10UN** Distance (mi): **0.000000**
Direction:
Docket Number: **01-89-0017C** Case Name: **UNITED TECHNOLOGIES CORPORATIO** Date Filed: **09/04/90**
Federal Penalty Assessed: **\$4,251,910** Date Concluded: **10/19/93**
Cost Recovery Charged: **\$0** Case Result:

Law Reported Violated	Section	Violation Type	Pollutant Type
Resource Conservation and Recovery Act	3002	Groundwater monitoring	Container
Resource Conservation and Recovery Act	3004	Required records maintenance	Volatile organic compound
Resource Conservation and Recovery Act	3008A	General facility requirements	
Resource Conservation and Recovery Act	3008C		

Subject Facilities / EPA ID# / Address / City, State, and Zip

CTD000844332 / PRATT & WHITNEY AIRCRAFT GROUP / 45 NEWELL ST / SOUTHINGTON, CT 06489
CTD000844399 / PRATT & WHITNEY WATER TP / COLT ST / EAST HARTFORD, CT 06108
CTD001145341 / HAMILTON STANDARD / 1 HAMILTON RD / WINDSOR LOCKS, CT 06096
CTD001149277 / PRATT & WHITNEY AIRCRAFT GP / AIRCRAFT RD / SOUTHINGTON, CT 06489
CTD001449511 / PRATT & WHITNEY AIRCRAFT GRO / 415 WASHINGTON AVE / NORTH HAVEN, CT 06473
CTD001449784 / SIKORSKY AIRCRAFT DIV / 6900 MAIN ST / STRATFORD, CT 06497
CTD003935905 / UNITED TECHNOLOGIES CORP / AIRCRAFT RD / MIDDLETOWN, CT 06457
CTD990672081 / PRATT & WHITNEY / 400 MAIN ST / EAST HARTFORD, CT 06108

Subject Defendant(s)

UNITED TECHNOLOGIES CORPORATION

Connecticut LUST Data

Connecticut Leaking Underground Storage Tank Data

Map ID#: 1UN								
Distance (mi):			0.00000					
Direction:								
Agency ID: 1389								
Name: WESLEYAN UNIVERSITY								
Address: POWER PLANT								
City, State, Zip: MIDDLETOWN, CT 06457								
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>	
09/10/92	30,000/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	Yes	Yes	
06/30/94	1000/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	Yes	Yes	
<hr/>								
Map ID#: 2UN								
Distance (mi):			0.00000					
Direction:								
Agency ID: 1427								
Name: SNOW SCHOOL								
Address: WADSWORTH ST.								
City, State, Zip: MIDDLETOWN, CT 06457								
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>	
12/01/88	STEEL/UNKNOWN	OIL	Yes	Yes	SOIL REMOVAL	Yes	No	
<hr/>								
Map ID#: 3UN								
Distance (mi):			0.00000					
Direction:								
Agency ID: 1607								
Name: JACKSON CORRUGATED CONTAINER								
Address: 0								
City, State, Zip: MIDDLETOWN, CT 06457								
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>	
11/03/88	STEEL/UNKNOWN	Heating Fuel	Yes	No		Yes	No	
<hr/>								
Map ID#: 4UN								
Distance (mi):			0.00000					
Direction:								
Agency ID: 2874								
Name: PRATT & WHITNEY								
Address: AIRPORT RD.								
City, State, Zip: MIDDLETOWN, CT 06457								
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>	
11/03/88	STEEL/UNKNOWN	Heating Fuel	Yes	Yes	SOIL REMOVAL	Yes	No	
12/15/88	STEEL/UNKNOWN	JET A	Yes	Yes	SOIL REMOVAL	Yes	No	
<hr/>								
Map ID#: 5UN								
Distance (mi):			0.00000					
Direction:								
Agency ID: 900214 06457 AR								
Name: ARMY RESERVE CENTER								
Address: MILE LN.								
City, State, Zip: MIDDLETOWN, CT 06457								
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>	
02/14/90	2000/STEEL	Heating Fuel	Yes	Yes	SOIL REMOVAL	No	Yes	
<hr/>								
Map ID#: 6UN								
Distance (mi):			0.00000					
Direction:								
Agency ID: 911010 06457 LC								
Name: LCI FORD								
Address: NORTH MAIN ST.								
City, State, Zip: MIDDLETOWN, CT 06457								
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>	
10/10/91	30000/STEEL	Gasoline	Yes	Yes	PENDING	No	Yes	
<hr/>								
Map ID#: 7UN								
Distance (mi):			0.00000					
Direction:								
Agency ID: 950328 06457 HU								
Name: HUBERT E. BUTLER CONSTRUCTION								
Address: JOHNSON ST.								
City, State, Zip: MIDDLETOWN, CT 06457								
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	<u>NFA</u>	<u>Resp. Party Paid</u>	
03/28/95	3000/STEEL	DIESEL	Yes	Yes	SOIL REMVD	No	Yes	
03/28/95	3000/STEEL	DIESEL	Yes	Yes	SOIL REMVD	No	Yes	

Connecticut LUST Data

Connecticut Leaking Underground Storage Tank Data

03/28/95	3000/STEEL	Gasoline	Yes	Yes	SOIL REMVD	No	Yes
Map ID#: 8UN	Distance (m):	0.00000					
	Direction:						
Agency ID:	9839						
Name:	MIDDLETOWN HIGH SCHOOL						
Address:	HUNTING HILL AVE.						
City, State, Zip:	MIDDLETOWN, CT 06457						
<u>Date</u>	<u>Type / Gallons</u>	<u>Substance</u>	<u>Removed</u>	<u>Uncontrolled Release</u>	<u>Remediated</u>	NFA	Resp. Party Paid
08/20/94	10000/FRP	Heating Fuel	No	Yes	REMOVAL & RECOVERY	No	Yes

Connecticut UST Data

Connecticut Registered Underground Storage Tank Data

Map ID#: **15UN** Distance (mi): 0.00000
 Direction:

Agency ID:	10094	Owner:	DONALD GILLETTI JR.
Name:	GILLETTI'S	Owner Address:	MAIN ST. EXT.
Address:	MAIN STREET EXT.	City, State, Zip:	Middletown, CT 06457
City, State, Zip:	MIDDLETOWN, CT 06457		

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	3,000	01/01/1950
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	3,000	01/01/1950
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	4,000	01/01/1952
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	4,000	01/01/1956

Map ID#: **16UN** Distance (mi): 0.00000
 Direction:

Agency ID:	11003	Owner:	APPLE HEALTH CARE
Name:	CENNACLE MIDDLETOWN	Owner Address:	21 WATERVILLE ROAD
Address:	WADSWORTH AVE	City, State, Zip:	Avon, CT 06001
City, State, Zip:	MIDDLETOWN, CT 06457		

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	1,000	01/01/1973
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	01/01/1985

Map ID#: **17UN** Distance (mi): 0.00000
 Direction:

Agency ID:	1423	Owner:	CITY OF MIDDLETOWN
Name:	SPENCER SCHOOL	Owner Address:	BOX 1300/DEKOVEN DR.
Address:	WESTFIELD ST	City, State, Zip:	Middletown, CT 06457
City, State, Zip:	MIDDLETOWN, CT 06457		

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	5,000	01/01/1954
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	5,000	01/01/1956
3	Currently In Use	Cathodically Protected Steel	Heating Oil	10,000	04/01/1989

Map ID#: **18UN** Distance (mi): 0.00000
 Direction:

Agency ID:	1429	Owner:	CITY OF MIDDLETOWN
Name:	WESLEY SCHOOL	Owner Address:	BOX 1300/DEKOVEN DR.
Address:	WESLEYAN HILLS RD	City, State, Zip:	Middletown, CT 06457
City, State, Zip:	MIDDLETOWN, CT 06457		

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	1,000	01/01/1972

Connecticut UST Data

Connecticut Registered Underground Storage Tank Data

Map ID#: **19UN** Distance (mi): 0.00000
 Direction:

Agency ID:	1438	Owner:	CITY OF MIDDLETOWN
Name:	WOODROW WILSON MIDDLE SCHOOL	Owner Address:	BOX 1300/DEKOVEN DR.
Address:	ONE TIGER LANE	City, State, Zip:	Middletown, CT 06457
City, State, Zip:	MIDDLETOWN, CT 06457		

TankID#	Tank Status	Composition	Substance	Capacity	Date Installed
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	01/01/1972
2	Currently In Use	Asphalt Coated or Bare Steel	Propane	2,500	01/01/1972
3	Currently In Use	Cathodically Protected Steel	Heating Oil	10,000	08/01/1992
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	1,000	01/01/1972
5	Currently In Use	Cathodically Protected Steel	Heating Oil	1,000	08/01/1992

Map ID#: **20UN** Distance (mi): 0.00000
 Direction:

Agency ID:	1442	Owner:	CITY OF MIDDLETOWN
Name:	LAWRENCE SCHOOL	Owner Address:	BOX 1300/DEKOVEN DR.
Address:	MILE LANE	City, State, Zip:	Middletown, CT 06457
City, State, Zip:	MIDDLETOWN, CT 06457		

TankID#	Tank Status	Composition	Substance	Capacity	Date Installed
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	1,000	01/01/1972

Map ID#: **21UN** Distance (mi): 0.00000
 Direction:

Agency ID:	1527	Owner:	MIDDLETOWN COMMERCIAL ASSOCIATES
Name:	RIVERVIEW CENTER	Owner Address:	2410 ALBANY AVE.
Address:	100 RIVERVIEW CENTER	City, State, Zip:	W Hartford, CT 06117
City, State, Zip:	MIDDLETOWN, CT 06457		

TankID#	Tank Status	Composition	Substance	Capacity	Date Installed
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	7,000	05/01/1965
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	4,000	05/01/1965
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Used Oil	500	01/01/1950

Map ID#: **22UN** Distance (mi): 0.00000
 Direction:

Agency ID:	1530	Owner:	TILCON CONNECTICUT, INC.
Name:	TILCON TOMASSO, INC.	Owner Address:	P.O. BOX 1357
Address:	HARBOR DR., WATER ST	City, State, Zip:	New Britain, CT 06050
City, State, Zip:	MIDDLETOWN, CT 06457		

TankID#	Tank Status	Composition	Substance	Capacity	Date Installed
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	01/01/1950
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	01/01/1950
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	01/01/1950
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	01/01/1950
5	Permanently Out of Use	Cathodically Protected Steel	Heating Oil	2,000	09/01/1988

Connecticut UST Data

Connecticut Registered Underground Storage Tank Data

Map ID#: **23UN** Distance (m): 0.00000
 Direction:

Agency ID:	1541	Owner:	THOMAS E WILCOX
Name:	A. BRAZOS & SONS, INC.	Owner Address:	11 MAPLE SHADE RD.
Address:	RANDOLPH ROAD	City, State, Zip:	Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	1,000	07/01/1960
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	1,000	07/01/1960

Map ID#: **24UN** Distance (m): 0.00000
 Direction:

Agency ID:	1552	Owner:	NEWFIELD REALTY
Name:	STARR MILL	Owner Address:	1004 NEWFIELD ST.
Address:	BEVERLY HEIGHTS	City, State, Zip:	Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	01/01/1960
2	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	09/01/1990

Map ID#: **25UN** Distance (m): 0.00000
 Direction:

Agency ID:	1579	Owner:	CARABETTA MANAGEMENT COMPANY
Name:	MEADOWAY APARTMENTS	Owner Address:	200 PRATT STREET
Address:	ROSE CIRCLE	City, State, Zip:	Meriden, CT 06450

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
5	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	07/01/1964
6	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	07/01/1964
7	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
8	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
9	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
10	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil	2,000	07/01/1964
11	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	11/01/1998
12	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	11/01/1998
13	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	11/01/1998
14	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998
15	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	11/01/1998
16	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	11/01/1998
17	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	11/01/1998

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Connecticut Registered Underground Storage Tank Data

Map ID#: 26UN **Distance (m):** 0.00000
Direction:
Agency ID: 1582
Name: SUMMER HILL APT **Owner:** CARABETTA MANAGEMENT COMPANY
Address: SUMMERHILL RD **Owner Address:** 200 PRATT STREET
City, State, Zip: MIDDLETOWN, CT 06457 **City, State, Zip:** Meriden, CT 06450

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Currently In Use	Asphalt Coated or Bare Steel	Gasoline	5,000	04/01/1969

Map ID#: 27UN **Distance (m):** 0.00000
Direction:
Agency ID: 1584
Name: NEW MEADOWS **Owner:** CARABETTA MANAGEMENT COMPANY
Address: PLAZA DR **Owner Address:** 200 PRATT STREET
City, State, Zip: MIDDLETOWN, CT 06457 **City, State, Zip:** Meriden, CT 06450

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	11/01/1972
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	11/01/1972
3	Currently In Use	Cathodically Protected Steel	Heating Oil	10,000	11/01/1998

Map ID#: 28UN **Distance (m):** 0.00000
Direction:
Agency ID: 1586
Name: STONEYCREST APTS **Owner:** CARABETTA MANAGEMENT COMPANY
Address: STONEYCREST DR **Owner Address:** 200 PRATT STREET
City, State, Zip: MIDDLETOWN, CT 06457 **City, State, Zip:** Meriden, CT 06450

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	8,000	06/01/1970
2	Currently In Use	Cathodically Protected Steel	Heating Oil	5,000	11/01/1998

Map ID#: 29UN **Distance (m):** 0.00000
Direction:
Agency ID: 1807
Name: JACKSON REALTY/CORRUGATED **Owner:** JACKSON REALTY CO
Address: RIVER RD **Owner Address:** RIVER RD.
City, State, Zip: MIDDLETOWN, CT 06457 **City, State, Zip:** Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	3,000	01/01/1974
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	1,000	01/01/1974
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	3,000	01/01/1950
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	3,000	01/01/1950
5	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	01/01/1950
6	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1988
7	Currently In Use	Cathodically Protected Steel	Diesel	3,000	11/01/1988
8	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1988

Connecticut UST Data

Connecticut Registered Underground Storage Tank Data

Map ID#: **30UN** Distance (mi): **0.00000**

Direction:

Agency ID: **1613**

Name: **WILLOWCREST APARTMENTS**

Owner: **CARABETTA MANAGEMENT COMPANY**

Address: **STONEYCREST DRIVE**

Owner Address: **200 PRATT STREET**

City, State, Zip: **MIDDLETOWN, CT 06457**

City, State, Zip: **Meriden, CT 06450**

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	10/01/1967
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	10/01/1967
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	8,000	05/01/1977
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	10/01/1967
5	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	10/01/1967
6	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	10/01/1967
7	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	05/01/1977
8	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998
9	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998
10	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998
11	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998
12	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998
13	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998
14	Currently In Use	Cathodically Protected Steel	Heating Oil	3,000	11/01/1998

Map ID#: **31UN** Distance (mi): **0.00000**

Direction:

Agency ID: **1616**

Name: **WOODBURY APTS**

Owner: **CARABETTA MANAGEMENT COMPANY**

Address: **WOODBURY CIRCLE**

Owner Address: **200 PRATT STREET**

City, State, Zip: **MIDDLETOWN, CT 06457**

City, State, Zip: **Meriden, CT 06450**

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	10/01/1971
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	10/01/1971
3	Currently In Use	Cathodically Protected Steel	Heating Oil	10,000	11/01/1998
4	Currently In Use	Cathodically Protected Steel	Heating Oil	10,000	11/01/1998

Map ID#: **32UN** Distance (mi): **0.00000**

Direction:

Agency ID: **2874**

Name: **PRATT & WHITNEY MIDDLETOWN PLANT**

Owner: **UTC PRATT & WHITNEY**

Address: **AIRCRAFT ROAD**

Owner Address: **400 MAIN ST.**

City, State, Zip: **MIDDLETOWN, CT 06457**

City, State, Zip: **East Hartford, CT 06108**

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1956
2	Currently In Use	Cathodically Protected Steel	Aviation Fuel	20,000	11/01/1988
3	Currently In Use	Cathodically Protected Steel	Aviation Fuel	20,000	11/01/1988
4	Currently In Use	Cathodically Protected Steel	Aviation Fuel	50,000	09/01/1989
5	Currently In Use	Cathodically Protected Steel	Aviation Fuel	50,000	08/01/1989

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6	Currently In Use	Cathodically Protected Steel	Aviation Fuel	10,000	06/01/1989
7	Currently In Use	Cathodically Protected Steel	Gasoline	10,000	11/01/1988
8	Currently In Use	Cathodically Protected Steel	Diesel	5,000	11/01/1988
9	Currently In Use	Cathodically Protected Steel	Gasoline	30,000	01/01/1951
10	Currently In Use	Cathodically Protected Steel	Other	60,000	01/01/1976
11	Currently In Use	Cathodically Protected Steel	Other	60,000	01/01/1976
12	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	5,000	01/01/1977
13	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1978
14	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1978
15	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1978
16	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1978
17	Permanently Out of Use	Fiberglass Reinforced Plastic	Gasoline	10,000	10/01/1983
18	Currently In Use	Cathodically Protected Steel	Gasoline	30,000	01/01/1951
19	Currently In Use	Cathodically Protected Steel	Gasoline	30,000	01/01/1951
20	Permanently Out of Use	Asphalt Coated or Bare Steel	Diesel	1,000	01/01/1956
21	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	20,000	01/01/1956
22	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	20,000	01/01/1956
23	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	20,000	01/01/1956
24	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1956
25	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1956
26	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	30,000	01/01/1956
27	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	1,500	01/01/1956
28	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	30,000	01/01/1956
29	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	20,000	01/01/1956
30	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	1,000	01/01/1956
31	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	20,000	01/01/1958
32	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	1,500	01/01/1959
33	Permanently Out of Use	Other	Gasoline	8,000	01/01/1966
34	Permanently Out of Use	Other	Gasoline	9,000	01/01/1966
35	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	20,000	01/01/1966
36	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	45,000	01/01/1969
37	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	45,000	01/01/1969
38	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	10,000	01/01/1969
39	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	8,000	01/01/1975
40	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	01/01/1975
41	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	275	01/01/1975

Map ID#: **33UN** Distance (mi): 0.00000

Direction:

Agency ID: 9073

Name: MIDDLETOWN MAINTENANCE FACILITY

Owner: STATE OF CONNECTICUT, D.O.T.

Address: PADDOCK ROAD

Owner Address: 2800 BERLIN TURNPIKE

City, State, Zip: MIDDLETOWN, CT 06457

City, State, Zip: Newington, CT 06111

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Currently In Use	Fiberglass Reinforced Plastic	Diesel	4,000	10/01/1990
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	2,000	01/01/1963
3	Currently In Use	Fiberglass Reinforced Plastic	Heating Oil	2,000	10/01/1990

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4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	4,000	01/01/1960
5	Currently In Use	Fiberglass Reinforced Plastic	Gasoline	4,000	11/01/1990

Map ID#: **34UN** Distance (mi): 0.00000

Direction:

Agency ID: 9075

Name: RIVERVIEW HOSPITAL

Address: BOX 621, RIVER RD

City, State, Zip: MIDDLETOWN, CT 06457

Owner:

STATE OF CONNECTICUT, D.C.F.

Owner Address:

915 RIVER RD.

City, State, Zip:

Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	07/01/1970
2	Currently In Use	Fiberglass Reinforced Plastic	Heating Oil	10,000	11/01/1994
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	10,000	08/01/1972
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline	100	11/01/1955
5	Currently In Use	Fiberglass Reinforced Plastic	Heating Oil	10,000	10/01/1994
6	Currently In Use	Cathodically Protected Steel	Heating Oil	12,000	01/01/1992

Map ID#: **35UN** Distance (mi): 0.00000

Direction:

Agency ID: 9834

Name: CENACLE CONVENT

Address: WADSWORTH ST.

City, State, Zip: MIDDLETOWN, CT 06457

Owner:

CONG. OF OUR LADY/RETREAT IN THE CENACLE

Owner Address:

154 HORACE HARDING EXWAY

City, State, Zip:

Flushing, NY 11367

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil	3,000	05/01/1982

Map ID#: **36UN** Distance (mi): 0.00000

Direction:

Agency ID: 9837

Name: VOCATIONAL AGRICULTURE CENTER

Address: HUNTING HILL AVENUE

City, State, Zip: MIDDLETOWN, CT 06457

Owner:

CITY OF MIDDLETOWN

Owner Address:

BOX 1300/DEKOVEN DR.

City, State, Zip:

Middletown, CT 06457

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>	<u>Capacity</u>	<u>Date Installed</u>
1	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil	1,000	01/01/1950
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil	1,000	01/01/1956
3	Currently In Use	Cathodically Protected Steel	Heating Oil	2,000	01/01/1992

Environmental Glossary

Acid

A large class of substances having a pH less than seven. An acid waste is considered hazardous when the pH is 2.0 or less.

Acute Effect

An adverse effect on a human or animal body, with severe symptoms developing rapidly and coming quickly to a crisis.

Acute Exposure

A dose that is delivered to the body in a single event or in a short period of time.

Aerobic

Occurring in the presence of free oxygen.

Alkaline

A substance with a pH between 7 and 14. An alkaline waste is considered hazardous when its pH is 12.5 or greater.

Ambient

Existing conditions of air, water, and other media at a particular time.

Anaerobic

Occurring in the absence of oxygen.

Assessment

An analysis or examination.

Background Environmental Sample

Samples that are considered to contain no contaminants or known concentrations of contaminants.

Base

A substance which forms a salt when reacted with an acid. Bases have a pH of greater than seven.

Buffer Zone

An area of land which surrounds a hazardous waste facility and on which certain land uses and activities are restricted to protect the public health and safety and the environment from existing or potential hazards caused by the migration of hazardous waste (CH&SC Sec. 25110.3).

Carcinogen

A substance or agent capable of causing or producing cancer in mammals.

Caustics

A large class of substances which form solutions having a high pH.

Chronic Effect

An adverse effect on a human or animal body, with symptoms which develop slowly over a long period of time or which reoccur frequently.

Chronic Exposure

Low doses repeatedly received by the body over a long period of time.

Combustible

A term used by the NFPA, DOT, and others to classify certain liquids that will burn, on the basis of flash points. Both the NFPA and DOT generally define "combustible liquids" as having a flash point of 100° F or higher.

Concentration

The relative amount of a substance when combined or mixed with other substances.

Contingency Plan

A document setting out an organized, planned, and coordinated course of action to be followed in case of a fire or explosion or release of a hazardous waste from a TSD or a generator's facility that could threaten human health or the environment (RCRA).

Corrosive

As defined by DOT, a corrosive material is a liquid or solid that causes visible destruction or irreversible alterations in human skin tissue at the site of contact or in the case of leakage from its packaging a liquid that has a severe corrosion rate on steel. A solid or liquid which exhibits these characteristics can be regulated as hazardous waste.

Decomposition

Breakdown of material or substance (by heat, chemical reaction, electrolysis, decay, or other processes) into elements or simpler compounds.

Decontamination

The process of removing contaminants from individuals and equipment.

Deep Well Injection

Disposal of wastes by injecting them into a geological formation deep in the ground, sometimes after pretreatment to avoid solidification.

EPA ID Number

This unique number assigned by EPA to each generator, transporter, or TSD.

Effluent

Waste material, either treated or untreated, discharged into the environment.

Environmental Assessment

The measurement or prediction of the transport, dispersion, and final location of a hazardous substance when released into the environment.

Environmental Emergencies

Incidents involving the release (or potential release) of hazardous materials into the environment which require immediate remedial action.

Environmental Hazard

A condition capable of posing risk of exposure to air, water, soil, plants, or wildlife.

Exception Report

A report that generators who transport waste off-site must submit if they do not receive a properly completed copy of their manifest within 45 days of the date on which the initial transporter accepted the waste.

Generator

The person or facility who, by nature or ownership, management or control, is responsible for causing or allowing to be caused, the creation of hazardous waste.

Glovebag

A device used to remove a section of pipe insulation without isolating the entire space or room.

Groundwater Hydrology

The study of the movement of water below the earth's surface.

Hazard

A circumstance or condition that can cause harm. Hazards are often categorized into four groups: biological, chemical, physical, and radiation.

Hazard Classes

A series of nine descriptive terms that have been established by the UN Committee of Experts to categorize the hazardous nature of chemical, physical, and biological materials. These categories are: flammable liquids, explosives, gases, oxidizers, radioactive materials, corrosives, flammable solids, poisonous and infectious substances, and dangerous substances.

Hazardous Waste

Any material that is subject to the hazardous waste manifest requirements of the EPA specified in the CFR, Title 40, Part 262 or would be subject to these requirements in the absence of an interim authorization to a State under CFR, Title 40, Part 123, Subpart F.

Heavy Metals

Certain metallic elements having a high density and generally toxic, e.g., lead, silver, mercury, and arsenic.

Immediate Removal

Actions undertaken to prevent or mitigate immediate and significant risk of harm to human life or health or the environment. As set forth in the National Contingency Plan, these actions shall be terminated after \$1 million has been obligated or six months have elapsed from the date of initial response.

Incident

The release or potential release of a hazardous substance into the environment.

Inert

Exhibiting no chemical activity; totally unreactive.

Innocent Land Owner's Defense

The defense of a purchaser of real property that he or she exercised due diligence in having hazards assessed prior to purchase.

Interim Status

Allows owners and operators of TSDs that were in existence, or for which construction had commenced, prior to November 19, 1980 to continue to operate without a permit after this date pending final issuance from RCRA.

Joint and Several Liability

Under federal law each party that contributed to damages may be held liable for all damages, but each has the right to compel the others to contribute and indemnify.

Liability

Being subject to legal action for one's behavior.

MSDS Material Safety Data Sheet

Required by OSHA of owners to alert employees to hazards, their effect, and protective action.

Manifest

Form which indicates generator, quantity, and type of waste for each shipment of hazardous wastes disposed in off-site facilities.

National Contingency Plan

Policies and procedures that the Federal Government follows in implementing responses to incidents involving hazardous substances.

P Wastes

A federal waste list comprised of substances categorized as acutely hazardous.

Part A

The first part of a two part application that must be submitted by a TSD to receive a permit. It contains general facility information.

Part B

The second part of a two part application that must be submitted by a TSD to receive a permit. It contains highly technical and detailed information.

Planned Removal

The removal of released hazardous substances from the environment within a non-immediate, long term time period. Under CERCLA: Actions intended to minimize increases in exposure such that time and cost commitments are limited to six months and/or \$1 million.

Poison, Class A

A DOT term for extremely dangerous poisons, that is, poisonous gases or liquids of such nature that a very small amount of the gas, or vapor of the liquid, mixed with air is dangerous to life. Some examples: phosgene, cyanogen, and hydrocyanic acid.

Poison, Class B

A DOT term for liquid, solid, paste, or semisolid substances, other than Class A poisons, which are known to be toxic to man as to afford a hazard to health during transportation.

Pollutant

A substance or mixture which after release into the environment and upon exposure to any organisms will or may reasonably be anticipated to cause adverse effects in such organisms and their offspring.

Priority Pollutants

A list of chemicals selected from the list of toxic pollutants by the EPA as priority toxic pollutants for regulation under the Clean Water Act.

Remedial Actions

Responses to releases of hazardous substances on the NPL that are consistent with a permanent remedy which would prevent or mitigate the migration of materials into the environment.

Risk

The probability that an unwanted event will occur.

Second Responders

Those personnel required to assist or relieve first responders at a hazardous material incident due to their specialized knowledge, equipment, or experience. These include State environmental protection or health officials, commercial response, cleanup companies, and appropriate industry representatives.

Strict Liability

Holds a party responsible for damages irrespective of the amount of care taken in handling a hazardous substance.

Subtitle C

The part of RCRA which pertains to the management of hazardous waste.

Subtitle I

The part of RCRA which pertains to the storage of petroleum products and hazardous substances, other than wastes, in USTs.

Superfund

See CERCLA.

Synergistic

The action of two materials together which is greater in effect than the sum of the individuals actions.

TIGER Files

The US Census Bureau's TIGER files provide a nationwide computerized map with address range information.

Tort

A legal wrong, sometimes referred to as negligence.

Toxicity

The ability of a substance to produce injury by non-mechanical means once it reaches a susceptible site in or on the body.

U Wastes

A federal list of hazardous wastes which consists of substances deemed to be hazardous for hazards other than acute hazards.

Acronyms and Abbreviations

-AIRS	Aerometric Information Retrieval System
-AST	Aboveground Storage Tank
-ASTM	American Society for Testing and Materials
-BLM	Bureau of Land Management
-BNA	Bureau of National Affairs
-CAA	Clean Air Act
-CDC	Centers for Disease Control
-CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
-CERCLIS	CERCLA Information System
-CICIS	Chemicals in Commerce Information System
-COE	U.S. Army Corps of Engineers
-CWA	Clean Water Act
-DDT	Dichloro-diphenyl-dichloroethane
-DOC	Department of Commerce
-DOCKET	Enforcement Docket System--Office of Enforcement and Compliance Monitoring
-DOE	Department of Energy
-DOT	Department of Transportation
-EPA	Environmental Protection Agency
-ERCS	Emergency Response Cleanup Services
-ERNS	Emergency Response Notification System
-ESA	Environmental Site Assessment
-FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
-FINDS	Facility Index System
-FOIA	Freedom of Information Act
-FWPCA	Federal Water Pollution Control Act
-HHS	Department of Health and Human Services
-HSWA	Hazardous and Solid Waste Amendments of 1984
-HUD	Department of Housing and Urban Development
-LUST	Leaking Underground Storage Tank
-MSDS	Material Safety Data Sheet
-NEPA	National Environment Policy Act
-NESHAP	National Emission Standards for Hazardous Air Pollutants
-NFRAP	No Further Remedial Action Planned (Delisted CERCLA Site)
-NOI	Notice of Intent
-NOV	Notice of Violation
-NPDES	National Pollution Discharge Elimination System
-NPL	National Priorities List
-NRC	Nuclear Regulatory Commission
-NRIS	Nuclear Regulatory Information System
-OSHA	Occupational Safety and Health Administration
-PADS	PCB Activity Database System

Acronyms and Abbreviations

-PCB	Polychlorinated Biphenyls
-POTW	Publicly-Owned Treatment Works
-PPM	Parts Per Million
-PRP	Potentially Responsible Parties
-RAATS	RCRA Administrative Action Tracking System
-RCRA	Resource Conservation and Recovery Act of 1976
-RCRIS	Resource Conservation and Recovery Information System
-RFA	RCRA Facility Assessment
-RFI	RCRA Facility Investigation
-RI	Remedial Investigation (CERCLA)
-SARA	Superfund Amendments and Reauthorization Act of 1986
-SCS	Soil Conservation Service
-SDWA	Safe Drinking Water Act
-SETS	Superfund Enforcement Tracking System
-SSTS	Section Seven Tracking System
-SWF/LF	Solid Waste Facilities / Landfills
-TIGER	Topologically Integrated Geographic Encoding and Referencing System
-TRI	Toxic Release Inventory
-TSCA	Toxic Substances Control Act
-TSD	Treatment, Storage, or Disposal Facility
-USDA	U.S. Department of Agriculture
-USGS	U.S. Geological Survey
-UST	Underground Storage Tank
-WWTP	Wastewater Treatment Plant

APPENDIX C
SUPPORTING DOCUMENTATION

ARCS I
Final Site Inspection Report
Marino Property
Middletown, Connecticut

Prepared for _____

U.S. ENVIRONMENTAL PROTECTION AGENCY, Region I
Waste Management Division
Boston, MA

Work Assignment No.: 23-1JZZ
EPA Region: I
CERCLIS No.: CTD062199369
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Contract No.: 68-W9-0045
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DEPT. PLANNING & ZONING
98 AUG -4 AM 10: 16

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**Final Site Inspection Report
Marino Property
Middletown, Connecticut**

**CERCLIS No. CTD062199369
TDD No. 9209-74-ACS
Work Assignment No. 23-1JZZ
7710-023-FR-BQFX**

INTRODUCTION

The CDM Federal Programs Corporation (CDM) Alternative Remedial Contracting Strategy (ARCS) team was requested by the U.S. Environmental Protection Agency (EPA) Region I Waste Management Division to perform a Site Inspection (SI) of the Marino Property in Middletown, Connecticut. Tasks were conducted in accordance with the ARCS Contract No. 68-W9-0045, the Site Inspection scope of work dated September 3, 1992, and technical specifications provided by EPA under Work Assignment No. 23-1JZZ, which was issued to CDM on September 22, 1992. A Preliminary Assessment (PA) was prepared by Roy F. Weston, Inc. in December 1990. On the basis of the information provided in the PA report, the Marino Property SI was initiated.

Background information used in the generation of this report was obtained through file searches conducted at EPA, the Connecticut Department of Environmental Protection (CTDEP), telephone interviews with town officials, conversations with persons knowledgeable of the Marino Property, and conversations with other federal, state, and local agencies. Additional information was collected during the CDM onsite reconnaissance on April 22, 1994, and environmental sampling on September 7 and 8, 1994.

This package follows the guidelines developed under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended, commonly referred to as Superfund. These documents do not necessarily fulfill the requirements of other EPA regulations such as those under the Resource Conservation and Recovery Act (RCRA) or other federal, state, or local regulations. SIs are intended to provide a preliminary screening of sites to facilitate EPA's assignment of site priorities. They are limited efforts and are not intended to supersede more detailed investigations.

SITE DESCRIPTION

Consisting of a total of approximately 10 acres, Marino Property is located at 50 Walnut Street on the southwest corner of Walnut Street and River Road in Middletown, Middlesex County, Connecticut. The latitude is 41° 33' 59" North and the longitude is 72° 39' 05" West (see Figure 1: Location Map and Figure 2: Site Sketch) [2,35].

Four buildings exist on the property and are currently utilized by a number of small businesses. Salvatore Marino, the owner of the property, uses a portion of one of the buildings as an office for his real estate and construction company [2].

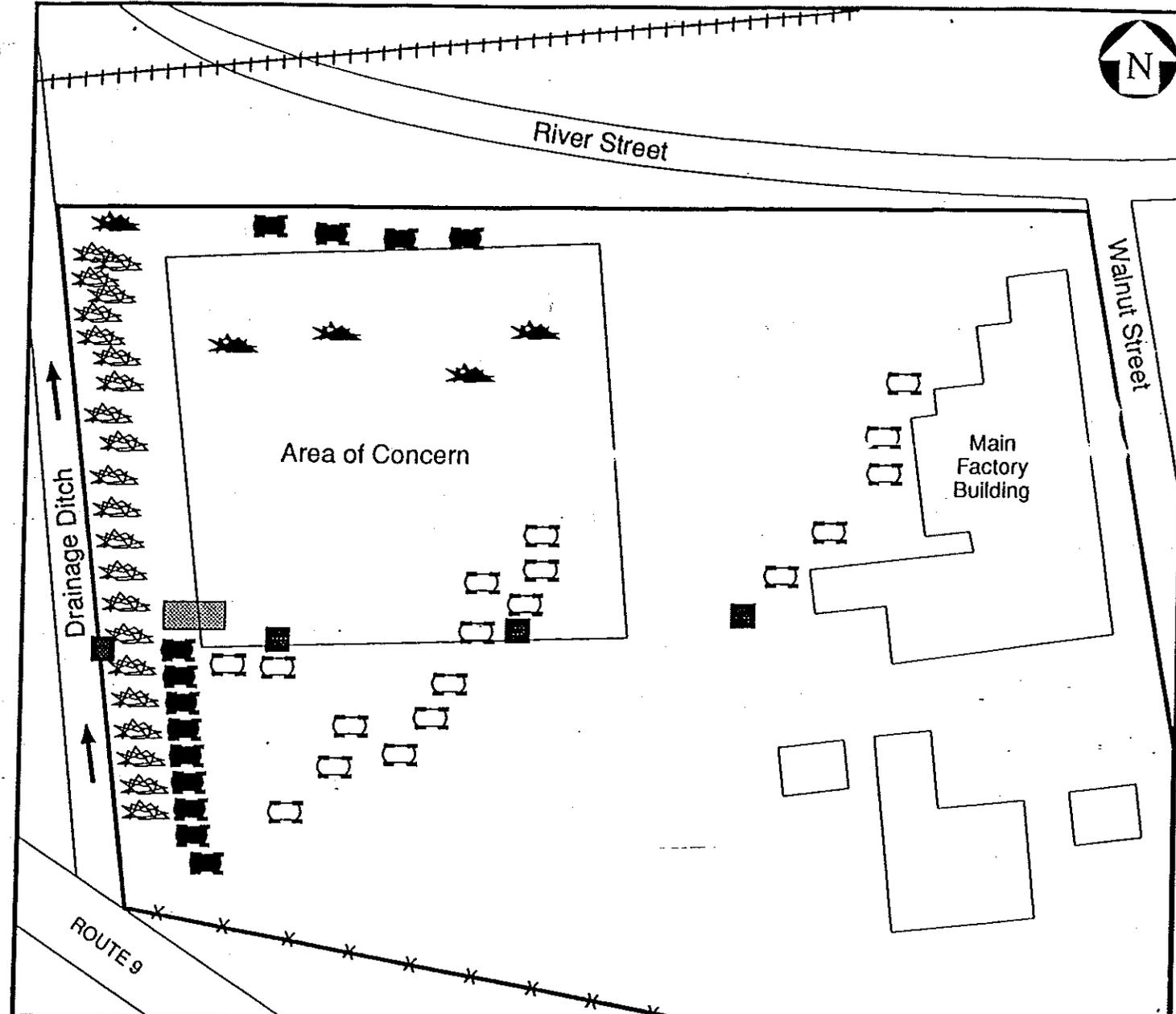


**LOCATION MAP
MARINO PROPERTY
MIDDLETOWN, CONNECTICUT**



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Figure 1



LEGEND

- | | | | |
|--|----------------------------------|--|------------------------------|
| | Dirt and Demolition Debris Piles | | Surface Water Flow Direction |
| | Parked Vehicles | | Property Boundaries |
| | Wood, Metal, and Concrete Debris | | Railroad Tracks |
| | Junked Vehicles | | Telephone Poles |
| | House Trailer | | |
| | Fence | | |

Not to Scale

**SITE SKETCH
MARINO PROPERTY
MIDDLETOWN, CONNECTICUT**



CDM FEDERAL PROGRAMS CORPORATION
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Figure 2

The area of concern is a 2- to 4-acre portion of the property to the west of the main factory building. That area was a former wetland but was covered with fill by Mr. Marino in the mid-1970s [14]. Junked cars, trucks, trailers, empty paint cans, empty 55-gallon drums, and demolition debris exist throughout the southern, western, and northern edges of the property boundaries. The property is generally level. Catch basins on the paved areas near the factory buildings collect overland flow near the buildings and discharge it to the municipal sewer system [2].

The property is located approximately 600 feet south of the Connecticut River [35]. A drainage ditch, approximately 20 feet deep and 10 feet wide, begins on the southwestern portion of the property, continues along the western edge, and empties into Sumner Brook approximately 100 feet northwest of the property boundaries. Sumner Brook runs perpendicular to the Connecticut River and empties into the Connecticut River shortly downstream. The ditch collects surface water runoff from the highway located above the southwestern portion of the property. The ditch is seasonally flooded [2]. Since the area of concern is completely flat and level, the surface water runoff direction is believed to be radial, with at least the western portion of the area assumed to drain toward the drainage ditch.

Residences are located nearby across Walnut Street, which borders the property to the east. River Road borders the property to the north, the drainage ditch borders the property to the west, and Route 9 borders the property to the south [2,35]. The nearest private groundwater well is located approximately 1 mile southeast of the property [19].

OPERATIONAL AND REGULATORY HISTORY AND WASTE CHARACTERISTICS

Marino Property was originally the site of OMO Manufacturing Company, a rubber and artificial leather factory that was built in the late 1800s. In 1968, the property was purchased by Georgia Bonded Fibers. The following year Hildebrand Industries purchased the property. A few years later, the Connecticut Development Commission obtained the rights to the property through a foreclosure of Hildebrand Industries [2,36]. Salvatore J. Marino purchased the property in 1973 from the Connecticut Development Commission and is the current owner. Mr. Marino leases out portions of the buildings on the property to various small businesses [2].

The area of concern is a 2- to 4-acre portion of the property to the west of the main building. That area was a former wetland and was used by the town as a municipal landfill from the 1930s until 1955 for the deposition of municipal wastes as well as incinerator wastes from the town incinerator. Waste oils, paints, unknown industrial wastes, and refuse from rubber and artificial leather manufacturing processes were also deposited in that area. The area was covered with fill by Mr. Marino in the mid-1970s. The origin of the fill is questionable, as it was apparently meant to go to a landfill north of town [14].

During the CDM onsite reconnaissance, Mr. Marino claimed that the state of Connecticut did extensive altering of the topography on this property when constructing the highway in the 1950s. This included moving dump refuse from an area west of his property onto his property, as well as modifying the course of Sumner Brook and the drainage ditch that runs along the western edge of the property. Mr. Marino indicated that he has not dumped any waste on the property [2].

Table 1 presents identified structures or areas on the Marino Property that are potential sources of contamination, the containment factors associated with each source, and the relative location of each source.

TABLE 1
Source Evaluation for
Marino Property

Potential Source Area	Containment Factors	Spatial Location
Contaminated soil	None	2- to 4-acre parcel of land
Incinerator waste	None	2- to 4-acre parcel of land
Leachate	None	2- to 4-acre parcel of land
Liquid from pail	None	2- to 4-acre parcel of land
Solids inside drums	None	2- to 4-acre parcel of land

[37]

Table 2 summarizes the types of potentially hazardous substances that have been disposed of, used, or stored on the property.

TABLE 2
Hazardous Waste Quantity for
Marino Property

Substance	Quantity or Volume/Area	Years of Use/Storage	Years of Disposal	Source Area
Refuse and chemicals from rubber and artificial leather manufacturing process	Unknown	Late 1800s to mid-1960s	Late 1800s to mid-1960s	2- to 4-acre parcel of land
Municipal and incinerator wastes	Unknown	1930s to 1955	1930s to 1955	2- to 4-acre parcel of land
Waste oils and paints	Unknown	Unknown	Unknown	2- to 4-acre parcel of land

[2,14]

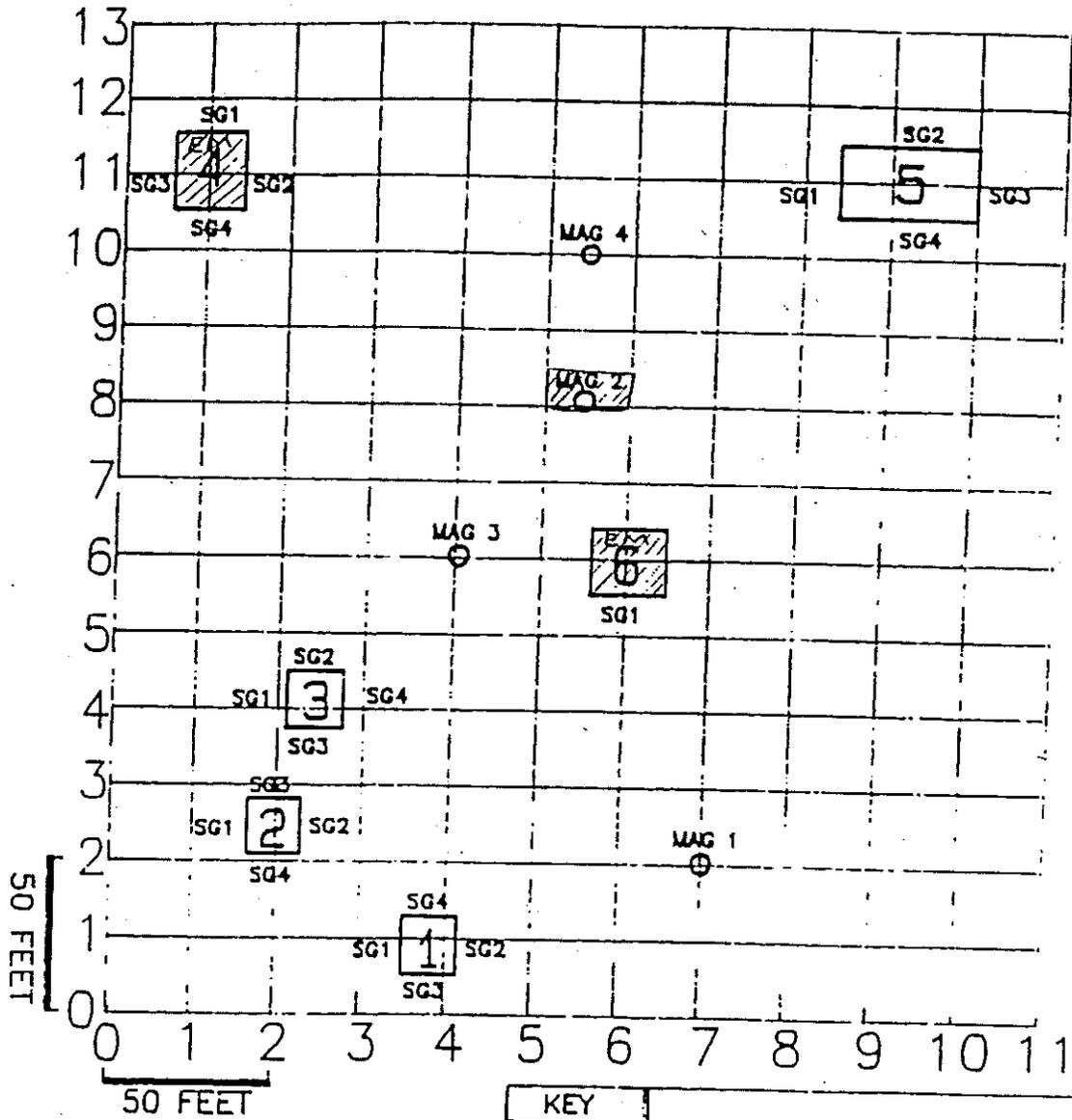
A citizen's complaint alleging past hazardous waste dumping in that area was received by CTDEP, Waste Engineering and Enforcement Division, in May 1983 [5]. In August 1983, an investigation was conducted by CTDEP. At that time, CTDEP collected several samples from the following areas: 1) drums located on the bank of the drainage ditch; 2) surface water in the drainage ditch; 3) leachate from two 3-foot test pits dug at the bank of the drainage ditch; and 4) a two-thirds full can of paint found on the property. All samples were analyzed for volatile organic compounds (VOCs) using a hydrocarbon vapor phase screening device. An EP toxicity test was also performed on the samples. Elevated levels of several contaminants were detected. Details of this sampling event are discussed in the Waste/Source Sampling section of this report [9,14].

In December 1985, Heynen Engineers was retained by a potential buyer of the property to install eight monitoring wells and sample the groundwater in each well for VOCs [20]. Elevated levels of several contaminants were detected during that investigation. Details of this sampling event are discussed in the Groundwater Pathway section of this report [10]. Those monitoring wells have since been destroyed [2].

The Site Remediation and Closure Department of CTDEP received an anonymous complaint in August 1990 that a drum was uncovered during the removal of soils at the property. The soil removal occurred in March 1990. The complainant reported that the damaged drum had a dark, thick liquid flowing out, and that the surrounding soil exhibited a "purplish" color. The drum was immediately reburied at a depth of approximately 6 feet. The complainant also stated that a former employee at the rubber company witnessed the dumping of five to ten chemical liquids on a weekly basis over a period of 20 to 30 years [6].

In October 1990, CTDEP referred the Marino Property to the Response and Prevention Section of EPA for an investigation and possible removal of the buried drums containing chemical liquids [24]. EPA contracted Roy F. Weston, Inc. (Weston) to conduct a Removal Program Preliminary Assessment and Site Investigation of the property. As part of this program, three surface soil samples were collected on the property by Weston (see Figure 3: Site Sketch with Weston Sampling Locations) in November 1990. VOCs, semivolatile organic compounds (SVOCs), and lead were detected. See the Waste/Source Sampling section for details regarding this sampling event [36].

Further investigation conducted by Weston in April 1991 included digging several test pits at depths of 1 to 7 feet and collecting six samples from inside three test pits (see Figure 4: Site Sketch with Weston Sampling Locations). During this investigation, two 55-gallon steel drums were encountered in one of the test pits. One of the drums was filled with rags, while the second drum was crushed to one-third of its original length and contained a red and white solid material. At another test pit location, three crushed 55-gallon drums containing red and white solids were uncovered. Several metal five-gallon pails, some containing a viscous liquid, were also uncovered in another test pit. Black incinerator waste mixed with glass, metal, fiberglass, and other solid waste was discovered in several test pits. In one of the test pits, a viscous colored liquid began to flow into the base of the test pit from the wall of the trench. VOCs,



KEY

-  ELECTROMAGNETIC CONDUCTOR INDICATED BY EJ31-0
-  MAGNETIC FIELD HIGH INDICATED BY MAGNETOMETER
- SG1-4 SOIL GAS COLLECTION LOCATIONS
- MAG 1-4
-  SURFACE SOIL SAMPLING LOCATIONS

SITE SKETCH WITH WESTON SAMPLING LOCATIONS
SAMPLES COLLECTED NOVEMBER 1990
MARINO PROPERTY
MIDDLETOWN, CONNECTICUT

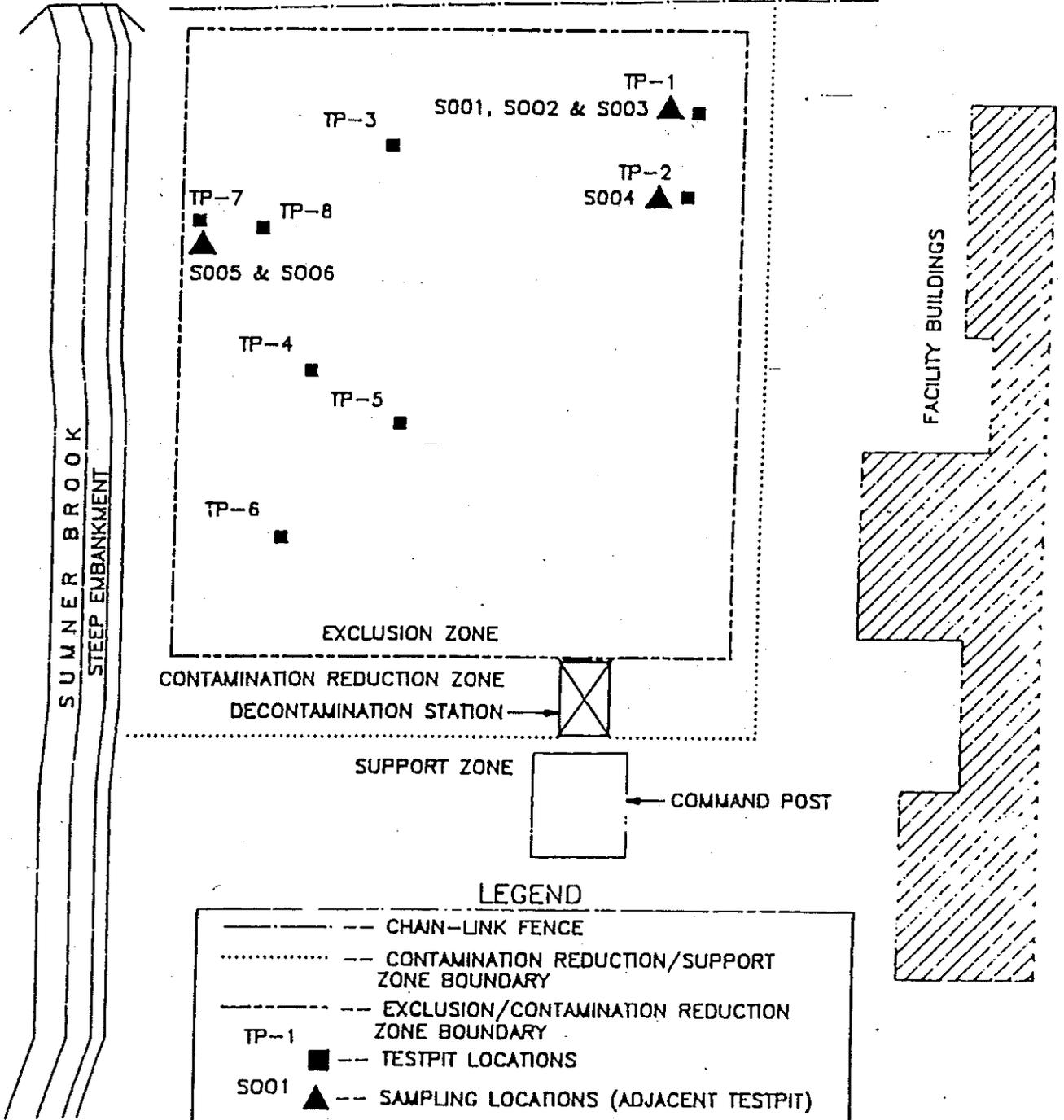


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Figure 3



RIVER ROAD



SITE SKETCH WITH WESTON SAMPLING LOCATIONS
SAMPLES COLLECTED APRIL 1991
MARINO PROPERTY
MIDDLETOWN, CONNECTICUT

CDM FEDERAL PROGRAMS CORPORATION
 a subsidiary of Camp Dresser & McKee Inc.

Figure 4

SVOCs, polychlorinated biphenyls (PCBs), and lead were detected at concentrations greater than three times above background [37]. See the Waste/Source Sampling section for details regarding this sampling event.

EPA entered Marino Property into the CERCLA Information System (CERCLIS) on September 8, 1992. The following CERCLIS facilities are located within a 1-mile radius of Marino Property: Middletown Municipal Landfill (CTD980521116), Portland Landfill (CTD060675543), and Fenner America, Ltd. (CTD052542669) [39]. The following RCRA large quantity generators are located within a 1-mile radius of Marino Property: Connecticut Service Station (CTD000842013), Middletown High School (CTD983902776), Rayco Metal Finishing, Inc. (CTD085068047), Sears Roebuck & Co. (CTD9838871294), Alpha Circuits, Inc. (CTD013134861), EIS Brake Parts Standard Motor Product (CTD980913537), and Fenner America, Ltd. (CTD052542669) [40].

On April 22, 1994, CDM conducted an onsite reconnaissance of Marino Property. Activities included a meeting with Mr. Marino and a walkover of the facility [2]. On September 7 and 8, 1994, CDM conducted onsite groundwater sampling using a Geoprobe® and sediment sampling of the drainage ditch and Sumner Brook. Thirteen samples were collected: three groundwater, seven sediment, one trip blank, and two equipment blanks. In addition, five performance evaluation (PE) samples were collected, all in accordance with the Task Work Plan dated June 1994. All samples were analyzed using EPA Tier II data validation protocols for VOCs, SVOCs, PCBs, pesticides, cyanide, and metals. All data quality objectives were met for this sampling event [2,3,4]. Details of this sampling activity are presented in the Groundwater and Surface Water Pathway sections of this report.

WASTE/SOURCE SAMPLING

In August 1983, CTDEP collected several surface water leachate, and paint samples from various areas near or in the drainage ditch and on the property. Each sample was analyzed for VOCs via a vapor phase screening device. An EP Toxicity test was also performed on the samples. The highest VOC concentrations were detected in a sample collected from a 5-gallon paint can. From this sample, the following compounds were detected: acetone (850 ppm), ethyl benzene (14,000 ppm), xylene (14,000 ppm), methyl ethyl ketone (1,000 ppm), and toluene (750 ppm). Through EP toxicity testing, lead (1,700 ppm) and chromium (170 ppm) were detected from the paint sample. From the leachate sample, barium (28 ppm) and zinc (38 ppm) were also detected [9].

Weston conducted a surface soil sampling program during its investigation in November 1990. Three surface soil samples (EM-6, MAG-2, and EM-4) were collected on the property, and one sample (Lower Bank) was collected in the drainage ditch, all at a depth ranging from 0 to 18 inches below the ground surface. All samples were analyzed for VOCs, SVOCs, and heavy metals through the New England Regional Laboratory. The background or reference sample number is MAG-2. Table 3 summarizes the sampling results collected by Weston in November 1990. A compound or analyte is included in the table if the concentration detected was greater than or equal to three times the background sample concentration. If the compound or analyte was not detected in the background sample, the detection limit (DL) is used as a reference. The

compound or analyte is included in the table if the sample concentration is greater than the DL. The table also lists the source, sample identification number, and reference concentration [36].

TABLE 3

**Summary of Analytical Results
Source Sample Analysis for Marino Property
Samples Collected by Weston in November 1990**

Sample No.	Compound/Analyte	Concentration (mg/kg)	Reference Sample No.	Reference Concentration (mg/kg)	Comments
EM-6	Benzo(a)anthracene	0.33	MAG-2	0.1	3.3 x REF
	Benzo(a)pyrene	0.24	MAG-2	0.05	4.8 x REF
	Bis(2-ethylhexyl) phthalate	77	MAG-2	16	4.8 x REF
	Chrysene	0.34	MAG-2	0.1	3.4 x REF
	Di-n-octyl phthalate	2.8	MAG-2	0.26	11 x REF
	Phenanthrene	0.42	MAG-2	0.22 U	1.9 x DL
	Lead	350	MAG-2	NA	NA

REF = Reference concentration

DL = Detection limit

NA = Not available

U = Indicates the sample was analyzed but not detected and reports the detection value

mg/kg = milligrams per kilogram or parts per million

Note: The precision of entries in the "Comments" column is governed by the rules of significant digits.

[36]

In April 1991, Weston dug several test pits in the area of concern at Marino Property and collected six samples (S001 through S006) from three test pits at depths ranging from 1 to 7 feet below ground surface. All samples were analyzed for VOCs, SVOCs, PCBs, and heavy metals through the New England Regional Laboratory. The background or reference sample number is S006. Table 4 summarizes the sampling results collected by Weston in April 1991.

TABLE 4

Summary of Analytical Results
 Source Sample Analysis for Marino Property
 Samples Collected by Weston in April 1991

Sample No. /Depth	Compound/Analyte	Concentration (mg/kg)	Reference Sample No.	Reference Concentration (mg/kg)	Comments
S001 1 foot	Ethylbenzene	230	S006	0.25 U	920 x DL
	4-methyl,2-pentanone	11,000	S006	0.75 U	15,000 x DL
	Toluene	13,000	S006	0.25 U	52,000 x DL
	Vinyl acetate	3,100	S006	2.5 U	1,200 x DL
	Total xylenes	1,400	S006	0.25 U	5,600 x DL
	Benzyl butyl phthalate	2,000	S006	7.94 U	250 x DL
	Bis(2-ethylhexyl) phthalate	97,000	S006	230	420 x REF
	Di-n-butyl phthalate	400	S006	7.94 U	50 x DL
	Di-n-octyl phthalate	7,900	S006	7.94 U	1,000 x DL
	1,2,4-trimethylbenzene	370	S006	0.25 U	1,500 x DL
	PCB (Aroclor-1260)	640	S006	160	4.00 x REF
S002 2 feet	Benzene	0.79	S006	0.25 U	3.2 x DL
	2-butanone	29	S006	25 U	1.2 x DL
	1,2-dichlorobenzene	2.9	S006	0.25 U	12 x DL
	Chlorobenzene	0.52	S006	0.25 U	2.1 x DL
	Toluene	36	S006	0.25 U	140 x DL
	4-methyl 2-pentanone	7.7	S006	0.75 U	10 x DL
	Total xylenes	2.0	S006	0.25 U	8.0 x DL
	Di-n-octyl phthalate	31	S006	7.94 U	3.9 x DL
	Lead	1,100	S006	150	7.3 x REF

TABLE 4 (continued)

Sample No.	Compound/Analyte	Concentration (mg/kg)	Reference Sample No.	Reference Concentration (mg/kg)	Comments
S003 2 feet	4-methyl 2-pentanone	1,200	S006	0.75 U	1,600 x DL
	Toluene	2,100	S006	0.25 U	8,400 x DL
S004 4 feet	Toluene	8,900	S006	0.25 U	35,600 x DL
	Benzyl butyl phthalate	1,000	S006	7.94 U	130 x DL
	Bis(2-ethylhexyl) phthalate	150,000	S006	230	650 x REF
	Di-n-octyl phthalate	9,800	S006	7.94 U	1,200 x DL

REF = Reference concentration

DL = Detection limit

U = Indicates the sample was analyzed but not detected and reports the detection value

mg/kg = milligrams per kilogram or parts per million

Note: The precision of entries in the "Comments" column is governed by the rules of significant digits.

[37]

GROUNDWATER PATHWAY

An unconfined aquifer exists within the surficial deposits at the property. The aquifer is composed of till and fine-grained stratified drift that consists of clay, silt, sand, and gravel. Also present in some areas are organic fibers, wood, and/or peat [7,15]. Fill consisting of sand, silt, gravel, bricks, glass, wood, metal, plastic, ashes, and wire has been deposited in the area of concern at depths ranging from 3 to 20 feet [7].

Horizontal groundwater flow in the unconfined aquifer is believed to be to the north, toward the Connecticut River [35]. Bedrock in the area consists of sedimentary rocks, such as sandstone, siltstone, and shale [15]. The depth to bedrock is up to 60 feet below the ground surface [1]. State groundwater classification in the immediate area of Marino Property is GB, its designated use being for process water and cooling water and not presumed suitable for direct human consumption without prior treatment [36].

The nearest private groundwater well is located approximately 1 mile southeast of the property [19]. An estimated 5,244 people are served by private groundwater sources within 4 miles of the property [12].

A cluster of eight public groundwater wells, known as the River Road Wells, exist at the bank of the Connecticut River, approximately 0.6 mile northeast of the property. These wells are

screened at approximately 60 feet below the ground surface in overburden material. Some of the wells have been in operation since the 1970s, and others were installed in the mid-1980s [23]. The wells are blended with surface water from the Mount Highby Reservoir, which is located outside the 4-mile radius and not in the surface water pathway. Together, the system serves approximately 35,800 people. The River Road Wells serve approximately 75 percent of that population or approximately 26,850 persons [23]. Hydrogeologic studies indicate that approximately 90 percent of the recharge from these wells comes from the Connecticut River [21]. The wells are treated by filtration and chlorination. The combined pumping rate from the wells is 3,000 gallons per minute. The water from these wells has been extensively tested for contamination for more than 20 years, and none has ever been detected [23]. A study is currently under way by CTDEP to determine the radius of the wellhead protection area for these wells. It has tentatively been determined that Marino Property lies outside the boundaries of the wellhead protection area [21].

The only other public groundwater well is a part-time treated well located in Portland, across the Connecticut River, approximately 1.25 mile north of the property. It operates only during the summer months [22]. Two sets of community wells also exist in the town of Middlefield, approximately 3.5 miles from Marino Property [23]. Table 5 lists the public groundwater supplies, including community sources, within 4 miles of Marino Property.

TABLE 5

Public Groundwater Supply Sources within 4 Miles of Marino Property

Distance from Property (miles)	Source Name	Location of Source (Town)	Estimated Population Served	Source Type
> 0.50 - 1.0	River Road Wells	Middletown	26,850	Overburden
> 1.0 - 2.0	Rivercrest Water Company	Portland	68	Overburden
> 3.0 - 4.0	Sylvan Ridge Condominiums	Middlefield	84	Bedrock
> 3.0 - 4.0	Sugarloaf Terrace Elderly Housing	Middlefield	40	Bedrock

[22,23]

Table 6 lists the estimated drinking water populations served by groundwater sources within 4 miles of Marino Property.

TABLE 6

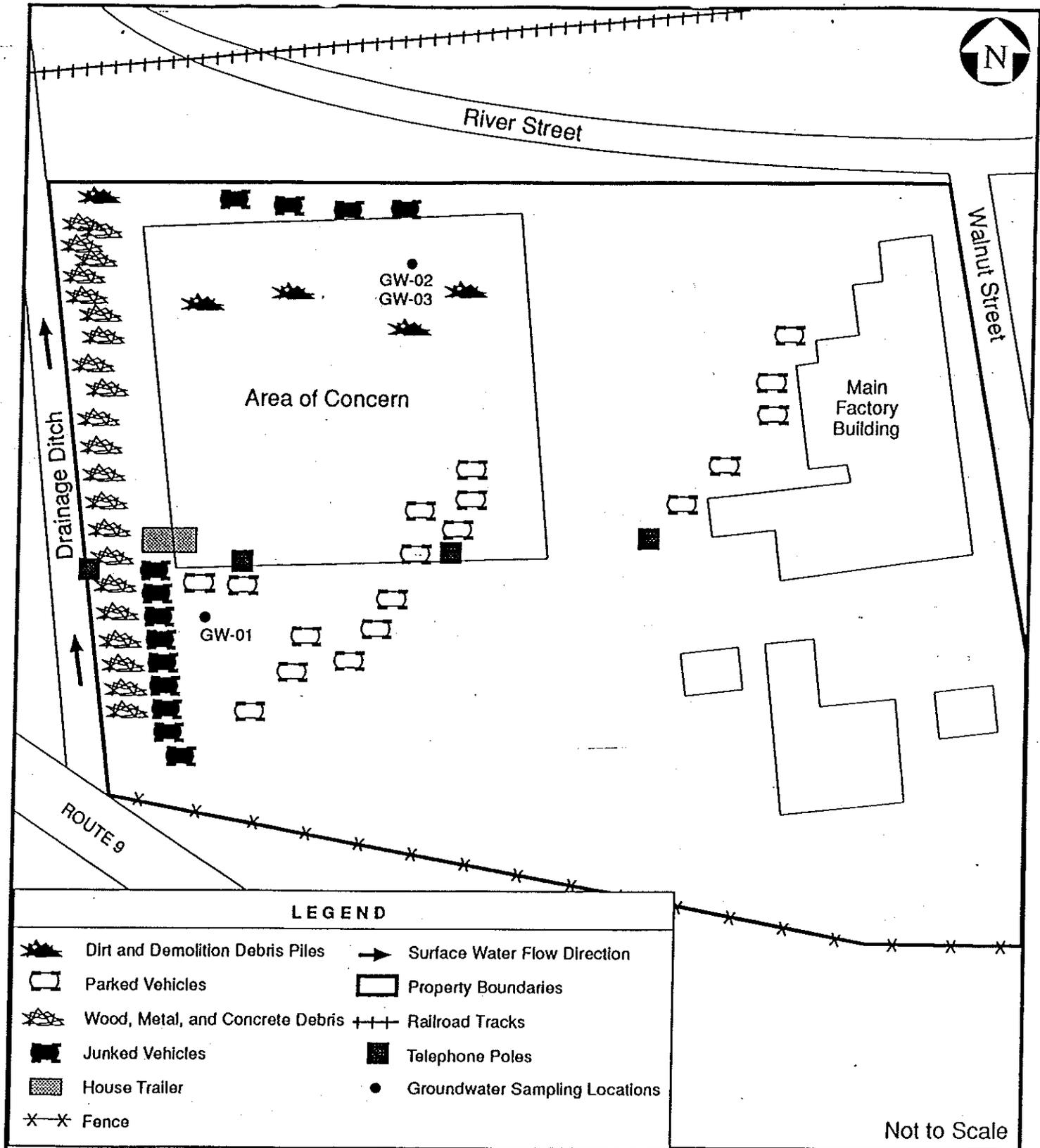
**Estimated Drinking Water Populations Served by Groundwater Sources
within 4 Miles of Marino Property**

Radial Distance From Marino Property (miles)	Estimated Population Served by Private Wells	Estimated Population Served by Public Wells	Total Estimated Population Served by Groundwater Sources Within the Ring
0.00 - 0.25	0	0	0
> 0.25 - 0.50	0	0	0
> 0.50 - 1.00	45	26,850	26,895
> 1.00 - 2.00	725	100	825
> 2.00 - 3.00	1,848	0	1,848
> 3.00 - 4.00	2,625	124	2,749
TOTAL	5,243	27,074	32,317

[12,22,23]

In December 1985, Heynen Engineers was retained by a potential buyer of the property to install eight monitoring wells and sample the groundwater for VOCs [20]. Elevated levels of several compounds that were detected during that investigation consist of the following: benzene (from 1 µg/l to 1,956.7 µg/l), ethylbenzene (from 1.3 µg/l to 282.1 µg/l), toluene (from 1.8 µg/l to 11,660.9 µg/l), xylene (from 3.1 µg/l to 674.8 µg/l), trichloroethylene (from 12.7 µg/l to 250.7 µg/l), and carbon tetrachloride (at 32.8 µg/l) [10]. Of the compounds detected during this sampling activity, benzene, ethylbenzene, toluene, and xylene were also found in the Weston source samples, and can therefore be attributed to the site [36,37]. The monitoring wells that were installed for this sampling activity have since been destroyed [2].

On September 7 and 8, 1994, CDM performed groundwater sampling activities at Marino Property using a Geoprobe® (see Figure 5: Site Sketch with CDM Groundwater Sampling Locations). Three groundwater samples were collected (GW-01, GW-02, and GW-03), including one background sample (GW-01). GW-02 and GW-03 are duplicates but, because of slow recharge, only the VOC parameter was collected for sample GW-03. Table 7 provides a sample summary of the CDM groundwater sampling event.



**SITE SKETCH WITH CDM GROUNDWATER SAMPLING LOCATIONS
MARINO PROPERTY
MIDDLETOWN, CONNECTICUT**

CDM FEDERAL PROGRAMS CORPORATION
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Figure 5

TABLE 7

Sample Summary: Marino Property
Groundwater Samples
Collected by CDM on September 7 and 8, 1994

Sample Location No.	CDM Sample#/ Traffic Report #	Date and Time	Remarks	Sample Source
GW-01	AHY27 (O) MAFJ46(I)	9-8-94 1100	Grab; Screened at 13 to 21 feet below the ground surface	Groundwater background sample collected 270 feet west of the southwestern corner of the main factory building, 31 feet west and 30 feet north of the third telephone pole west of the main factory building
GW-02	AHY28 (O) MAFJ47 (I)*	9-8-94 1200	Grab; Screened at 12 to 20 feet below the ground surface	Groundwater sample collected 60 feet south of the northern property boundary and 212 feet west of the northwest corner of the main factory building
GW-03	AHY29 (O)**	9-8-94 1200	Grab	Duplicate of GW-03 for quality control
EB-GW	AHY25 (O) MAFJ44 (I)	9-8-94 1000	Grab	Groundwater equipment blank

Notes:

I = Inorganic

O = Organic

* = metals only

** = VOC only

[2]

Table 8 summarizes the groundwater sampling results. In both cases, the analyte was not detected in the background sample; therefore, the SDL is used as a reference. The analyte is included in the table when the sample concentration is greater than the SDL. Both analytes detected were not detected in either of the Weston source sampling events and therefore cannot be considered attributable to the site [3,4].

TABLE 8

**Summary of Analytical Results
Groundwater Sample Analysis for Marino Property
Samples Collected by CDM on September 7 and 8, 1994**

Sample Location No.	Compound/Analyte	Concentration (µg/l)	Reference Concentration (µg/l)	Comments
GW-02	Chromium	45.8	25.7 U	1.78 x SDL
GW-02	Cobalt	18.1 J	12.3 U	1.47 x SDL

SDL = Sample detection limit

U = Indicates the sample was analyzed for but not detected and reports the detection value

J = Quantitation approximate due to limitations identified in quality control review

µg/l = micrograms per liter or parts per billion

Note: The precision of entries in the "Comments" column is governed by the rules of significant digits.

[3,4]

SURFACE WATER PATHWAY

The area of the property lies in the Lower Connecticut River Basin in the Connecticut Valley. The predominant soil group in the area of concern is fine-grain stratified drift, which consists of clay deposited by or in glacial meltwaters [38]. Marino Property is located in a 100-year floodplain [11].

A drainage ditch begins on the southwestern portion of the property and continues along and throughout the western boundary of the property. The ditch is intended to collect surface water runoff from Route 9, which is located above and perpendicular to the southern portion and starting point of the ditch. The ditch empties into Sumner Brook farther northwest of the property, outside the property boundaries [2]. Sumner Brook then empties into the Connecticut River approximately 600 feet north of the property [2,35].

Several catch basins are located near the factory buildings on the property. These catch basins collect stormwater near the buildings and discharge to the municipal sewer system. Because of dry conditions during the site visit, the direction of overland flow could not be determined in the area of concern, but a portion of it is assumed to drain toward the drainage ditch [2].

The primary route of entry of a contaminant to the ditch is via overland flow. The probable point of entry (PPE) of a contaminant into a perennially wet surface water body is Sumner Brook at the confluence with the drainage ditch approximately 500 feet south of the Connecticut River. The distance from the point where the ditch receives overland flow at the property to the point

where the ditch connects with Sumner Brook is approximately 100 feet [2]. The 15-mile downstream surface water pathway continues throughout the Connecticut River and ends at the East Haddam airport [33]. Because the Connecticut River is tidal for approximately 22 miles upstream from the confluence with Sumner Brook, the surface water pathway includes 15 miles north in the Connecticut River, and ends approximately at the Route 3 bridge in the town of Wethersfield [17,32].

The state surface water quality standard for Sumner Brook from the PPE to the Connecticut River is Class C, which is reflective of existing water quality problems. The state goal for Sumner Brook in this area is Class B, reflecting the need to achieve and maintain higher water quality conditions. The state surface water quality standard for the Connecticut River in the area of Sumner Brook is Class SC, which is reflective of coastal waters with existing water quality problems. The state goal for the Connecticut River in this area is Class SB, reflecting the need to achieve and maintain higher water quality conditions [16].

Neither Sumner Brook nor the Connecticut River supply municipal drinking water along the 15-mile surface water pathway [22,23]. The Connecticut Valley Hospital, located in the town of Middletown, uses six reservoirs, all located between 1.75 and 3.25 miles from the property, as its source of drinking water. Combined, these reservoirs serve approximately 2,500 people [23]. The reservoirs are not in the Marino Property surface water pathway [34,35]. Table 9 lists the water bodies within the surface water segment of Marino Property and gives the descriptor, length of reach, flow characteristics, and length of wetlands for each water body.

TABLE 9

Water Bodies within the Surface Water Segment of Marino Property

Surface Water Body	Descriptor ^a	Length of Reach (miles)	Flow Characteristics (cfs) ^b	Length of Wetlands
Sumner Brook	Small to moderate stream	0.1	<10*	0
Connecticut River	Coastal tidal waters	14.9	Not applicable	3.6 miles

^a Minimal stream. Small to moderate stream. Moderate to large stream. Large stream to river. Very large river. Coastal tidal waters. Shallow ocean zone or Great Lake. Deep ocean zone or Great Lake. Three-mile mixing zone in quiet flowing river.

^b Cubic feet per second.

* The exact flow rate could not be determined.

[2,17,27,28,29,30,31,32,33]

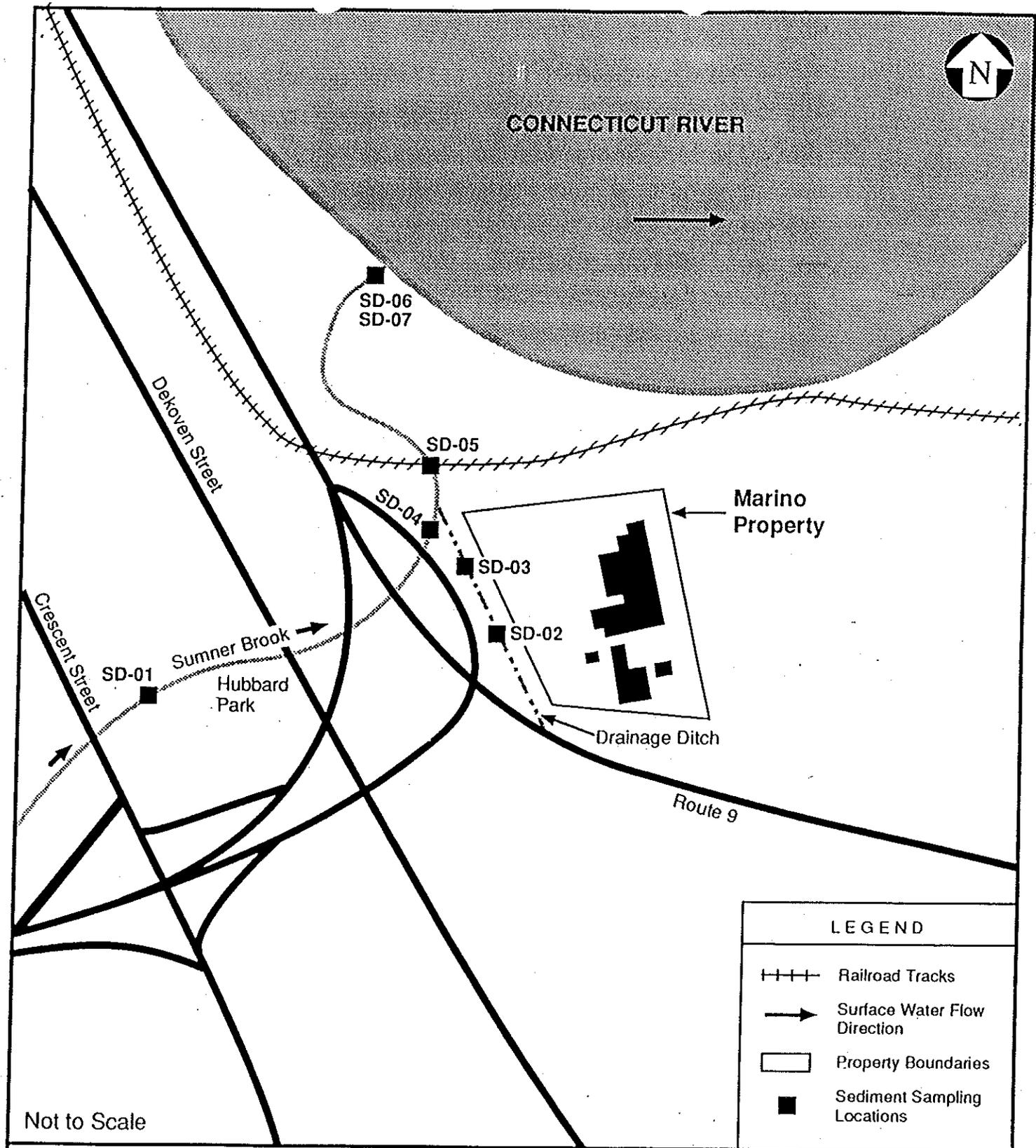
According to the Municipal Executive Director of the City of Middletown, who has lived and worked in the area for over 25 years, Sumner Brook, between the PPE and the Connecticut River, is not a fishery [18]. The Connecticut River is a major fishery, containing such species as white perch, redbreast sunfish, spottail shiner, blueback herring, American shad, pumpkinseed, and others. In recent years, several species of fishes were tested for contamination throughout the Connecticut River. Carp were found to contain high enough PCB levels to warrant a health advisory [25]. Although PCBs have been detected in onsite soil samples at elevated concentrations, it is likely that the numerous industries located on the banks of the Connecticut River have contributed to the contamination.

On September 7, 1994, CDM performed sediment sampling activities of Sumner Brook and the drainage ditch on the property to determine migration of contaminants from Marino Property to the Connecticut River (see Figure 6: Site Sketch with CDM Sediment Sampling Locations). Seven sediment samples were collected: two background from Sumner Brook (SD-01 and SD-04), two from the drainage ditch (SD-02 and SD-03), and three downgradient from the drainage ditch in Sumner Brook (SD-05, SD-06, and SD-07). SD-07 is a duplicate collected at the confluence with the Connecticut River. Sample SD-05 was collected under an active railroad bridge and next to a drainage swale which carries stormwater from a nearby road to Sumner Brook. Table 10 provides a sample summary of the CDM sediment sampling event.

TABLE 10

Sample Summary: Marino Property
Sediment Samples
Collected by CDM on September 7, 1994

Sample Location No.	CDM Sample #/ Traffic Report #	Date and Time	Remarks	Sample Source
SD-01	AHY17 (O) MAFJ36 (I)	9-7-94 1720	Grab 12 inches	Background sediment sample collected from Sumner Brook 100 feet northeast of the Crescent Street bridge and 200 feet southwest of the DeKoven Street bridge
SD-02	AHY18 (O) MAFJ37 (I)	9-7-94 1620	Grab 6 inches	Sediment sample collected from the drainage ditch 50 feet north of the telephone pole located on the drainage ditch bank
SD-03	AHY19 (O) MAFJ38 (I)	9-7-94 1610	Grab 6 inches	Sediment sample collected from the drainage ditch 200 feet north of SD-02



SITE SKETCH WITH CDM SEDIMENT SAMPLING LOCATIONS
MARINO PROPERTY
MIDDLETOWN, CONNECTICUT

CDM FEDERAL PROGRAMS CORPORATION
 a subsidiary of Camp Dresser & McKee Inc.

Figure 6

TABLE 10 (continued)

Sample Location No.	CDM Sample #/ Traffic Report #	Date and Time	Remarks	Sample Source
SD-04	AHY20 (O) MAFJ39 (I)	9-7-94 1245	Grab 12 inches	Background sediment sample collected from Sumner Brook 20 feet upstream of the confluence of the drainage ditch and in line with the northern end of the concrete foundation that becomes an overpass for Route 9
SD-05	AHY21 (O) MAFJ40 (I)	9-7-94 1215	Grab 12 inches	Sediment sample collected from Sumner Brook 30 feet downstream of the confluence of the drainage ditch and directly underneath the railroad bridge
SD-06	AHY22 (O) MAFJ41 (I)	9-7-94 1130	Grab 12 inches	Sediment sample collected from Sumner Brook on the west side of the brook at the confluence with the Connecticut River
SD-07	AHY23 (O) MAFJ42 (I)	9-7-94 1130	Grab 12 inches	Duplicate of SD-06 for quality control
EB-SD	AHY24 (O) MAFJ43 (I)	9-7-94 1015	Grab	Sediment equipment blank
TB-01	AHY26 (O)	9-7-94 900	Grab	Trip blank, RAS

Notes:

I = Inorganic

O = Organic

RAS = Routine Analytical Services

[2]

Table 11 summarizes the sediment sampling results. A compound or analyte is included in the table if the concentration detected was greater than or equal to three times the reference sample concentration. If a compound or analyte is not detected in the reference sample, the SQL or SDL is used as a reference. The compound or analyte is included in the table if the sample concentration is greater than the SQL or SDL. In comparing the two reference samples (SD-01 and SD-04), SD-04 is located closer to the confluence of Sumner Brook and the drainage ditch. It is therefore more representative of all the upstream sources and is used as the reference sample for Table 11.

TABLE 11

Summary of Analytical Results
Sediment Sample Analysis for Marino Property
Collected by CDM on September 7, 1994

Sample Location No.	Compound/Analyte	Concentration	Reference Concentration	Comments
SD-03	Bis(2-ethylhexyl) phthalate	1,500 µg/kg	400 U µg/kg	3.8 x SQL
	4,4'-DDD	15 J µg/kg	4.0 U µg/kg	3.8 x SQL
	Cadmium	0.97 J mg/kg	0.71 U J mg/kg	1.4 x SDL
	Lead	508 J mg/kg	164 J mg/kg	3.10 x REF
	Mercury	0.3 J mg/kg	0.11 U mg/kg	2.7 x SDL
SD-05	Ethylbenzene	16 µg/kg	13 U µg/kg	1.2 x SQL
	Total xylenes	36 µg/kg	13 U µg/kg	2.8 x SQL
	Naphthalene	1,300 µg/kg	400 U µg/kg	3 x SQL
	2-methylnaphthalene	2,400 µg/kg	400 U µg/kg	6 x SQL
	Acenaphthylene	1,000 µg/kg	400 U µg/kg	3 x SQL
	Acenaphthene	2,200 µg/kg	400 U µg/kg	5.5 x SQL
	Dibenzofuran	620 µg/kg	400 U µg/kg	1.6 x SQL
	Fluorene	2,800 µg/kg	400 U µg/kg	7.0 x SQL
	Phenanthrene	9,600 µg/kg	1,400 µg/kg	6.9 x REF
	Anthracene	1,700 µg/kg	400 U µg/kg	4 x SQL
	Carbazole	870 µg/kg	400 U µg/kg	2 x SQL
	Fluoranthene	8,600 µg/kg	2,200 µg/kg	3.9 x REF
	Pyrene	6,900 J µg/kg	1,900 J µg/kg	3.6 x SQL
	Bis(2-ethylhexyl) phthalate	1,800 µg/kg	400 U µg/kg	5 x SQL
SD-06 (dup of SD-07)	2-methyl naphthalene	500 µg/kg	400 U µg/kg	1 x SQL
	Fluorene	520 µg/kg	400 U µg/kg	1.3 x SQL
	4,4'-DDD	5.7 J µg/kg	4.0 U µg/kg	1.4 x SQL
	Barium	984 J mg/kg	104 J mg/kg	9.46 x REF
	Cadmium	2.3 mg/kg	0.71 U J mg/kg	3.2 x SDL

TABLE 11 (continued)

Sample Location No.	Compound/Analyte	Concentration	Reference Concentration	Comments
SD-06 (continued)	Copper	1,370 mg/kg	390 mg/kg	3.51 x REF
	Lead	865 J mg/kg	164 J mg/kg	5.27 x REF
	Mercury	0.19 J mg/kg	0.11 U mg/kg	1.7 x REF
	Zinc	2,210 J mg/kg	324 J mg/kg	6.82 x REF
SD-07 (dup of SD-06)	4,4'-DDD	14 J µg/kg	4.0 U µg/kg	3.5 x SQL
	4,4'-DDT	6.7 J µg/kg	4.0 U µg/kg	1.7 x SQL
	Barium	688 J mg/kg	104 J mg/kg	6.62 x REF
	Cadmium	2.0 mg/kg	0.71 U J mg/kg	2.8 x SDL
	Lead	548 J mg/kg	164 J mg/kg	3.34 x REF
	Mercury	0.16 J mg/kg	0.11 U mg/kg	1.5 x SDL
	Zinc	1,610 J mg/kg	324 J mg/kg	4.97 x REF

SDL = Sample detection limit

SQL = Sample quantitation limit

REF = Reference concentration

U = Indicates the sample was analyzed but not detected, and reports the detection value

J = Quantitation approximate due to limitations identified in quality control review

µg/kg = micrograms per kilogram or parts per billion

mg/kg = milligrams per kilogram or parts per million

Note: The precision of entries in the "Comments" column is governed by the rules of significant digits.

[3,4]

Several dumps and old landfills are located in or near Sumner Brook in the vicinity of the PPE. Also, surface water runoff from nearby highways drain to Sumner Brook and the drainage ditch. For these reasons, several compounds/analytes were detected in at least one CDM sediment sample but were not detected in source samples collected by Weston in 1990 and 1991; therefore, their presence might not be attributed to the site. These compounds/analytes include 2-methyl naphthalene, acenaphthene, acenaphthylene, dibenzofuran, fluorene, anthracene, carbazole, fluoranthene, naphthalene, pyrene, 4,4'-DDD, 4,4'-DDT, barium, cadmium, copper, mercury, and zinc. The following compounds/analytes were detected in at least one CDM sediment sample, and were also detected in source samples collected by Weston: bis(2-ethylhexyl)phthalate, ethylbenzene, xylene, 2-methylnaphthalene, phenanthrene, and lead [3,4,36,37].

SOIL EXPOSURE PATHWAY

Approximately 50 people currently work in the buildings located on the property. Seven residences are located within 200 feet of Marino Property to the east of the property boundaries. No residences are located within 200 feet of the area of concern. Marino Property, including the area of concern, is accessible, as no fences completely surround the property. No schools and day-care facilities are located within 200 feet of the property. There are no terrestrial sensitive environments on the property [2,35]. Approximately 9,858 people live within 1 mile travel distance of the property [12].

In November 1990, Weston collected three surface soil samples at a depth ranging from 0 to 18 inches below the ground surface on the property. The samples were analyzed for VOCs, SVOCs, and heavy metals (see Table 3 in the Waste/Source Sampling section for a summary of the analytical results). For sample EM-6, the following compounds/analytes were detected at levels either above the reference values when the reference compounds/analytes were not detected or at least three times above the SQL/SDL when the reference compounds/analytes were detected: benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, chrysene, di-n-octyl phthalate, phenanthrene, and lead [36].

In April 1991, Weston collected six samples from two test pits on the property. Three of these samples were collected at a depth of 2 feet or less below the ground surface (S001, S002, and S003). The samples were analyzed for VOCs, SVOCs, PCBs, and heavy metals (see Table 4 in the Waste/Source Sampling section for a summary of the analytical results). For sample S001, the following 11 compounds were detected: ethylbenzene, 4-methyl,2-pentanone, toluene, vinyl acetate, total xylenes, benzyl butyl phthalate, bis(2-ethylhexyl)phthalate, di-n-butyl phthalate, di-n-octyl phthalate, 1,2,4-trimethylbenzene, and PCBs. For sample S002, the following nine compounds/analytes were detected: benzene, 2-butanone, 1,2-dichlorobenzene, chlorobenzene, toluene, 4-methyl 2-pentanone, total xylenes, di-n-octyl phthalate, and lead, and for sample S003, two compounds, 4-methyl 2-pentanone and toluene, were detected, all either at levels above the reference values when the reference compounds/analytes were not detected or at least three times above the SQL/SDL when the reference compounds/analytes were detected [37].

AIR PATHWAY

During the CDM site reconnaissance in April 1994 and CDM sampling event in September 1994, Organic Vapor Monitor (OVM) readings were at background levels [2]. The nearest residence to the property is located approximately 50 feet from the property boundaries and 400 feet from the area of concern, across Walnut Street. The nearest school is the Hubbard School, located approximately 0.25 mile from the property [2,35]. A total of 15,356 people live within 4 miles of the property [12]. Table 12 lists the population by distance from the property.

TABLE 12

**Estimated Population within 4 Miles of
Marino Property**

Radial Distance From Marino Property (miles)	Estimated Population
0.00 - 0.25	1,094
> 0.25 - 0.50	2,101
> 0.50 - 1.00	6,663
> 1.00 - 2.00	17,456
> 2.00 - 3.00	14,798
> 3.00 - 4.00	15,356
TOTAL	57,468

[12]

Sensitive environments within 4 miles of Marino Property include a cumulative area of approximately 13.7 square miles of wetlands, a state wildlife refuge and several state endangered and threatened species. A federal threatened species in part also exists [13,34,35]. Table 13 lists the sensitive environments by distance from the property.

TABLE 13

Sensitive Environments within 4 Miles of Marino Property

Radial Distance From Marino Property (miles)	Name of Sensitive Environment	Status of Sensitive Environment
0.50 - 1.00	Sandbar Willow	State Threatened
> 1.00 - 2.00	Cromwell Meadows	State Wildlife Refuge
	Dwarf Bullrush	State Endangered
	Atlantic Sturgeon	State Threatened
	Mountain Sandwort	State Threatened
	American Bittern	State Endangered
	Sandbar Willow	State Threatened
	> 2.00 - 3.00	Cromwell Meadows
American Bittern		State Endangered
Least Bittern		State Threatened
Blue-Winged Teal		State Threatened
White Milkweed		State Endangered
Mountain Sandwort		State Threatened
Swamp Cottonwood		State Endangered
Nuttail Milkwort		State Endangered
> 3.00 - 4.00	American Bittern	State Endangered
	Pied-Billed Grebe	State Endangered
	Least Bittern	State Threatened
	Black Rail	State Threatened
	Yellow-Breasted Chat	State Endangered
	Adder's-Tongue	State Threatened
	Mountain Sandwort	State Threatened
	Puritan Tiger Beetle	State Endangered and Federal Threatened in part

[13]

SUMMARY

Marino Property consists of approximately 10 acres and is located at 50 Walnut Street in Middletown, Middlesex County, Connecticut. Marino Property was originally a rubber and artificial leather factory. The factory was built in the late 1800s and operated until the mid-1900s. Salvatore Marino, the current owner of the property, presently leases out most of the four buildings on the property to a number of small businesses. Mr. Marino uses a portion of one of the buildings as an office for his real estate and construction companies.

The area of concern is a 2- to 4-acre portion of the property located to the west of the main factory building. That area used to be a wetlands and was used by the town as a municipal landfill from the 1930s until 1955 for the deposition of municipal wastes, as well as incinerator wastes from the town incinerator. Waste oils, paints, unknown industrial wastes, and refuse from the rubber and artificial leather manufacturing process were also deposited in that area. Mr. Marino covered the area with fill in the mid-1970s.

After receiving a citizen's complaint in 1983 alleging past hazardous waste dumping in the area of concern, the Connecticut Department of Environmental Protection (CTDEP) collected samples from the property and analyzed each sample for volatile organic compounds (VOCs). Elevated levels of several contaminants were detected. In December 1985, Heynen Engineers was retained by a potential buyer of the property to install eight monitoring wells and sample the groundwater in each well for VOCs. Several compounds were detected at elevated concentrations.

In August 1990, CTDEP received an anonymous complaint that an uncontained drum containing a potentially hazardous liquid was uncovered during soil removal at the property. The drum was then apparently immediately reburied. The complainant also confirmed past weekly hazardous waste dumping occurring in the area of concern for 20 to 30 years. Later that year, Roy F. Weston, Inc. was contracted by the Response and Prevention Section of the U.S. Environmental Protection Agency (EPA) to conduct a surface soil sampling program on the property, which included collecting three samples on the property and analyzing for VOCs, semivolatile organic compounds (SVOCs), and heavy metals. Several contaminants were detected.

In April 1991, further investigation by Roy F. Weston, Inc. included digging several test pits, collecting six samples from three of the pits, and analyzing for VOCs, SVOCs, polychlorinated biphenyls (PCBs), and heavy metals. Several contaminants were detected at elevated concentrations.

The nearest private well is located approximately 1 mile southeast of the property. The nearest public groundwater wells are the River Road Wells, a cluster of eight wells beginning approximately 0.6 mile northeast of the property. Combined, the River Road Wells serve approximately 26,850 persons. Approximately 32,317 persons are served by groundwater sources within 4 miles of the property.

On September 7 and 8, 1994, CDM collected groundwater from two locations (including one background) on the property using a Geoprobe. All samples were analyzed for VOCs, SVOCs, PCB, pesticides, metals, and cyanide. Chromium and cobalt were detected in the groundwater sample but neither have been detected at significant concentrations in onsite soil samples.

A drainage ditch begins on the southwestern portion of the property and continues along and throughout the western perimeter of the property. The purpose of the ditch is to collect surface water runoff from Route 9, which is located above and perpendicular to the southern portion and starting point of the ditch. The ditch empties into Sumner Brook further northwest of the property, approximately 100 feet from the property boundaries. Sumner Brook then empties into the Connecticut River approximately 600 feet north of the property.

It has been assumed that at least part of the overland flow from the area of concern discharges to the drainage ditch. The probable point of entry (PPE) of a contaminant into a permanent surface water body via overland flow would be in Sumner Brook at the confluence of the drainage ditch approximately 500 feet south of the property. The PPE of a contaminant into a surface water body via groundwater flow would be in the Connecticut River, directly north of the property. Several catch basins are located near the factory buildings on the property collect stormwater near the buildings and discharge to the municipal sewer department.

On September 7, 1994, CDM collected seven sediment samples (including two background) from Sumner Brook and a drainage ditch on the property. All samples were analyzed for VOCs, SVOCs, PCB, pesticides, metals, and cyanide. Twenty-three compounds/analytes were detected in the sediment samples, six of which can be attributed to the site.

The 15-mile downstream surface water pathway consists of Sumner Brook for 0.1 mile and the Connecticut River for the remainder of the 14.9 miles both upstream and downstream, since the river is tidal. There are of 3.6 miles of wetland frontage that exist along the Connecticut River. There are no drinking water intakes on the 15-mile downstream surface water pathway.

Sumner Brook between the PPE and the Connecticut River is not a fishery. The Connecticut River is a major fishery, containing such species as white perch, redbreast sunfish, spottail shiner, blueback herring, American shad, pumpkinseed, and others. In recent years, several species of fishes were tested for contamination throughout the Connecticut River. Carp were found to contain high enough PCB levels to warrant a health advisory.

Approximately 50 people currently work in the buildings located on the property. Seven residences are located within 200 feet of Marino Property to the east of the property boundaries. No residences are located within 200 feet of the area of concern. Approximately 9,858 people live within 1 mile travel distance of the property. There are no schools, day-care centers or terrestrial sensitive environments on or within 200 feet of the property.

Approximately 57,468 persons live within 4 miles of Marino Property. The Hubbard School is located approximately 0.25 mile from the property. Sensitive environments within 4 miles of Marino Property include a cumulative area of approximately 13.7 square miles of wetlands, a state wildlife refuge, several state threatened and endangered species, as well as a federal threatened species.

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**APPENDIX B
SOIL BORING LOGS**

BORING/WELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25863-0020
 Project Location: Middletown, CT

Drilling Company: B.L. Myers Bros., Inc.
 Drillers: Kevin
 TRC Inspector: S. Parker

Boring/Well: B-1/MW-1
 Date Started: 06/13/2000
 Date Completed: 06/13/2000

Depth (feet)	Recovery (inches)	FID (ppm)	Blow Counts	Soil Description	Geology	Monitoring Well Construction
0-2	15	800		0-15 Dark brown m-c SAND, some silt Fuel oil odor	0	Flush Mount Casing & Concrete Completion
2-4	12	100		0-12 Dark brown m-c SAND, some silt, trace clay Petroleum odor	2	Bentonite Seal Top of sand pack
4-6	18	200		0-18 Dark brown SILT, little f sand, clay Moist. Petroleum odor	4	Top of screen
6-8	18	900		0-18 Dark brown SILT, little sand, clay Wet. Petroleum odor Water Table at 7'-8'	6	1" - 10 Slot PVC Screen
8-10	21	100		0-21 M SAND and SILT, trace clay Wet. Petroleum odor	8	#1 Morie Sand
10-12	18	600		0-18 Dark brown SILT, trace c sand, clay Wet. Petroleum odor	10	
					12	Bottom of Screen

Note: VOCs, SVOCs, TPH, and RCRA 8 Metals sample taken from 6'-8' interval.

Geologic Symbols:

-  Sand & Silt
-  Sand, Silt, Clay
-  Bentonite
-  Concrete

BORING/WELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25663-0020
 Project Location: Middletown, CT
 Drilling Company: B.L. Myers Bros., Inc.
 Drillers: Kevin
 TRC Inspector: S. Parker
 Boring/Well: B-2/MW-2
 Date Started: 06/13/2000
 Date Completed: 06/13/2000

Depth (feet)	Recovery (inches)	FID (ppm)	Blow Counts	Soil Description	Lithology	Monitoring Well Construction
1-3	20	30		0-20 Dark brown f SAND and SILT, little gravel	1	Flush Mount Casing & Concrete Completion
3-5	16	100		0-16 Dark brown SILT, some f sand, trace gravel	3	Bentonite Seal
5-7	10	80		0-10 Dark brown f SAND and SILT, little gravel Strong petroleum odor	5	Top of sand pack
7-9	little	100		little Dark brown SAND, SILT, GRAVEL, some coal Strong petroleum odor	7	Top of screen
9-11		50		Medium brown SILT and f SAND, little gravel, brick	9	1" - 10 Slot PVC Screen
11-13		120		Medium brown SILT, little sand, gravel Moist	11	#1 Morie Sand
13-15		40		Medium brown SILT and f SAND, some gravel Wet. Slight petroleum odor	13	Bottom of Screen

Note: VOCs, SVOCs, TPH, and RCRA 8 Metals sample taken from 11'-13' interval.

Geologic Symbols:

- Sand, Silt, Gravel
- Sand, Silt, Gravel, Coal
- Sand, Silt, Gravel, Brick
- Bentonite
- Concrete

BORING/WELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25863-0020
 Project Location: Middletown, CT

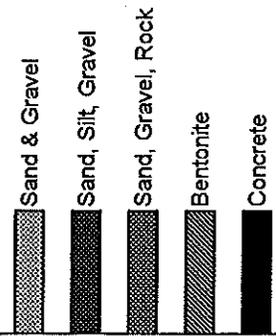
Drilling Company: B.L. Myers Bros., Inc.
 Drillers: Kevin
 TRC Inspector: S. Parker

Boring/Well: B-3a/MW-3a
 Date Started: 06/13/2000
 Date Completed: 06/13/2000

Depth (feet)	Recovery (inches)	FID (ppm)	Blow Count	Soil Description	Lithology	Monitoring Well Construction
1-3	15			0-15 Brown m-c SAND, some silt, little gravel. Dry. No odor	1	Flush Mount Casing & Concrete Completion
3-5	9			0-9 Brown c SAND and GRAVEL Moist. No odor	3	Bentonite Seal Top of sand pack Top of screen
5-7	6			0-6 Brown c SAND and GRAVEL, trace silt Moist. No odor	5	1" - 10 Slot PVC Screen
7-9	6			0-6 Brown SAND, GRAVEL, and crushed ROCK Moist. No odor	7	#1 Morie Sand
9-11	9	0		0-9 Brown f-m SAND, some gravel, little silt Moist. No odor	9	Bottom of Screen
11-13	9	0		0-9 F-c SAND, some silt, little gravel Wet. No odor	11	
					13	

Note: VOCs, SVOCs, TPH, and RCRA 8 Metals sample taken from 11'-13' interval.

Geologic Symbols:



BORING/WELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25863-0020
 Project Location: Middletown, CT

Drilling Company: B.L. Myers Bros., Inc.
 Drillers: Kevin
 TRC Inspector: S. Parker

Boring/Well: B-3b
 Date Started: 06/13/200
 Date Completed: 06/13/200

Depth (feet)	Recovery (inches)	FD (ppm)	Flow Count	Soil Description	Lithology	Monitoring Well Construction
0-2	12			0-12 Dark brown f-m SAND, trace silt, gravel No odor		Monitoring Well Construction
2-4	15		0-15 Dark brown m-c SAND, trace silt, gravel No odor			
4-6	12		0-12 Dark brown m-c SAND and GRAVEL, trace silt, rock			
6-8	9		0-9 Dark brown m-c SAND and GRAVEL, little rock, silt			
8-10	15	0	0-15 Brown m-c SAND, some silt, little gravel Moist. Slight organic odor			
10-12	3		0-3 Brown m-c SAND, some silt, trace gravel Moist. Slight organic odor			
12-14	12	0	0-12 Brown m-c SAND, little silt Wet. No odor Water Table at 12'-14'			

Note: SVOCs and TPH sample taken from 12'-14' interval.

Geologic Symbols:

Sand & Silt

Sand, Silt, Gravel

Sand, Silt, Gravel, Rock

BORING/WELL LOG

Project Name: Middletown Brownfields - WMTF
 Project Number: 25963-0020
 Project Location: Middletown, CT
 Drilling Company: B.L. Myers Bros., Inc.
 Drillers: Kevin, Orlando
 TRC Inspector: S. Parker
 Boring/Well: B-4MW-4
 Date Started: 06/14/2000
 Date Completed: 06/14/2000

Depth (feet)	Recovery (feet)	FID (ppm)	Blow Count	Soil Description	Lithology	Monitoring Well Construction
0-2	15			0-15 Brown SILT and f-m SAND, little gravel, rock No odor	0	Flush Mount Casing & Concrete Completion
2-4	12			0-12 Brown f-m SAND, some silt, little rock Moist. No odor	2	Bentonite Seal
4-6	21			0-21 Brown f-c SAND, some silt Moist. No odor	4	
6-10	18			0-18 Brown SILT and f SAND, trace gravel Moist. No odor	6	
10-12	18			0-18 Brown SILT and f-m SAND Moist. No odor	8	Top of sand pack
12-14	18			0-18 Brown SILT and f-c SAND, little rock, gravel No odor	10	Top of screen
14-16	24			0-12 Brown SILT and f-c SAND Wet. No odor 12-24 Grey SILT, some clay No odor.	12	1" - 10 Slot PVC Screen
					14	#1 Marie Sand
					16	Bottom of Screen

Note: VOCs, SVOCs, and RCRA 8 Metals sample taken at 12-14' interval.

Geologic Symbols:

-  Sand & Silt
-  Silt & Clay
-  Sand, Silt, Gravel
-  Sand, Silt, Rock
-  Sand, Silt, Gravel, Rock
-  Bentonite
-  Concrete

BORING/WELL LOG

Project Name: Middletown Brownfields - WWTF
Project Number: 25863-0020
Project Location: Middletown, CT

Drilling Company: B.L. Myers Bros., Inc.
Drillers: Kevin
TRC Inspector: S. Parker

Boring/Well: B-5/MW-5
Date Started: 06/13/2000
Date Completed: 06/13/2000

Depth (feet)	Recovery (inches)	FID (ppm)	Blow Count	Soil Description	Lithology	Monitoring Well Construction
1-3	12			0-12 Brown m-c SAND, little silt, gravel Dry. No odor	1 3 5 7 9	
3-5	15			0-15 Brown f-c SAND, some silt, little gravel Dry. No odor		
5-7	18			0-18 Brown c SAND and SILT, trace gravel Moist. No odor		
7-9	21	0		0-21 Brown SILT, some f sand Wet. No odor		

Note: VOCs, SVOCs, and RCRA 8 Metals sample taken at 7'-9' interval.

Geologic Symbols:

- Sand & Silt
- Sand, Silt, Gravel
- Bentonite
- Concrete

BORING/WELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25663-0020
 Project Location: Middletown, CT
 Drilling Company: ADH
 Drillers: Pete Hatfield, Brian Bois
 TRC Inspector: S. Parker
 Boring/Well: B-07MW-6
 Date Started: 06/27/2000
 Date Completed: 06/27/2000

Depth (feet)	Recovery (feet)	FD (gpm)	Blow Count	Soil Description	Geology	Monitoring Well Construction
0-5	45			0-12 Brown f-m SAND and SILT. Loose No odor 12-30 Brown & grey SHALE, GRAVEL and m SAND. Loose 30-36 Brown f-m SAND, some silt, little gravel. Loose Dry. No odor 36-45 Brown m SAND and crushed ROCK, GRAVEL, some silt. Loose Dry. No odor		Flush Mount Casing & Concrete Completion Bentonite Seal Top of sand pack Top of screen 1" - 10 Slot PVC Screen #1 Morse Sand Bottom of Screen
5-10	42			0-21 Grey, crushed ROCK and GRAVEL, some m sand Loose. Dry. No odor 21-42 Brown f-c SAND, some silt, gravel. Loose Dry. No odor		
10-15	30			0-21 Brown f-c SAND, some silt, gravel. Loose Moist. No odor 21-30 Grey SILT, little f sand. Dense Wet. No odor		
15-20	18			0-18 Grey SILT, little f sand. Dense Wet. No odor		

Note: VOCs, SVOCs, and RCRA 8 Metals sample taken from 10'-14' interval.

Geologic Symbols:

- Sand & Silt
- Sand & Gravel
- Sand, Silt, Gravel
- Sand, Gravel, Rock
- Sand, Silt, Gravel, Rock
- Bentonite
- Concrete

BORING/WELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25863-0020
 Project Location: Middletown, CT
 Drilling Company: ADH
 Drillers: Pete Hatfield, Brian Bois
 TRC Inspector: S. Parker
 Boring/Well: B-7a/MW-7
 Date Started: 06/27/2000
 Date Completed: 06/27/2000

Depth (feet)	Recovery (inches)	FID (ppm)	Blow Count	Soil Description	Lithology	Monitoring Well Construction
0-5	42			0-42 Brown f-c SAND, some silt, little gravel. Dense Moist. No odor		Flush Mount Casing & Concrete Completion
5-10	42			0-42 Brown f-c SAND and SILT, little grey silt, clay Very moist. No odor		Bentonite Seal Top of sand pack
10-15	48			0-12 Brown f-c SAND and SILT, little grey silt, clay Very moist. No odor 12-24 Tan c SAND and GRAVEL 24-48 Brown f-m SAND, some silt, gravel. Loose Moist. No odor		Top of screen 1" - 10 Slot PVC Screen #1 Morie Sand
15-20	60			0-18 Brown f-c SAND, some silt. Dense Moist. 18-36 Brown/grey m-c SAND and GRAVEL, cinders Slight petroleum odor Water Table at 17-19'		Bottom of Screen

Note: TPH, VOCs, SVOCs, RCRA 8 Metals and PCBs sample taken from 17-20' interval.

Geologic Symbols:

- Sand & Silt
- Sand, Silt, Clay
- Sand & Gravel
- Sand, Silt, Gravel
- Bentonite
- Concrete

BORINGWELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25863-0020
 Project Location: Middletown, CT
 Drilling Company: ADH
 Drillers: Pete Hatfield, Brian Bols
 TRC Inspector: S. Parker
 Boring/Well: B-7b
 Date Started: 06/27/2000
 Date Completed: 06/27/2000

Depth (feet)	Recovery (inches)	FID (ppm)	Blow Count	Soil Description	Lithology	Monitoring Well Construction
0-5	36			0-36 Brown f SAND, some silt, little gravel. Medium tight Dry. No odor	0	
5-10	48			0-33 Brown f-m SAND, some silt, little gravel. Medium tight No odor 33-36 Crushed ROCK 36-48 M SAND, some silt, little gravel. Medium tight Moist. No odor	5	
10-15	60			0-9 M SAND, some silt, little gravel. Medium tight Moist. No odor 9-12 GRAVEL and crushed ROCK 12-33 M SAND, some silt, little gravel. Medium tight Moist. No odor 33-36 Dark brown c SAND and SILT Slight odor 36-60 Brown f-c SAND and GRAVEL	10	
15-20	48			0-18 Brown f-c SAND and GRAVEL No odor 18-36 Brown f-c SAND and GRAVEL Wet. No odor 36-48 Grey SILT and CLAY	15	
					20	
					20	

Note: TPH, SVOCs and PCBs sample taken from 12.75'-13' interval.

Geologic Symbols:

- Crushed Rock
- Sand & Silt
- Silt & Clay
- Sand & Gravel
- Crushed Rock & Gravel
- Sand, Silt, Gravel

BORINGWELL LOG

Project Name: Middletown Brownfields - WWTF
 Project Number: 25863-0020
 Project Location: Middletown, CT

Drilling Company: ADH
 Drillers: Pete Hatfield, Brian Bois
 TRC Inspector: S. Parker

Boring/Well: B-7c
 Date Started: 06/27/2000
 Date Completed: 06/27/2000

Depth (feet)	Recovery (inches)	FID (ppm)	Blow Count	Soil Description	Lithology	Monitoring Well Construction		
0-5	36			0-36 Brown f-c SAND, some silt, little gravel, tight Moist. No odor		Monitoring Well Construction		
5-10	36			0-4 Brown f-c SAND, some silt, little gravel, tight Moist. No odor 4-24 C SAND, some silt, gravel, tight Moist. No odor				
10-15	51			0-24 Brown c SAND, some silt, crushed rock, tight Moist. No odor 24-42 F-m SAND, some silt, little gravel, tight Moist. No odor 42-51 F-m SAND, some silt, little gravel, tight Wet. No odor				
15-20	60			0-18 F-m SAND, some silt, little gravel, tight Wet. No odor 18-48 F-m SAND, some silt, little gravel, tight Moist. No odor 48-60 Brown f-m SAND Wet. No odor				

Note: TPH, SVOCs and PCBs sample taken from 10"-1.75' interval.

Geologic Symbols:

- Sand
- Sand, Silt, Gravel
- Sand, Silt, Rock

APPENDIX C
LABORATORY ANALYTICAL DATA

CASE NARRATIVES



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SAMPLE DATA PACKAGE

000001



**SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TRC ENVIRONMENTAL
CASE CT BROWNFIELDS**

Sample Receipt

The following samples were received on June 16, 2000 and were logged in under Katahdin Analytical Services work order number WQ1754 for a hardcopy due date of July 14, 2000.

<u>Sample No.</u>	<u>Sample Identification</u>
WQ1754-1	FB061400
WQ1754-2	TB061400
WQ1754-3	B-4
WQ1754-4	B-5
WQ1754-5	B-2A
WQ1754-6	B-2B
WQ1754-7	B-2C
WQ1754-8	PSS-1
WQ1754-9	PSS-2
WQ1754-10	PSS-3
WQ1754-11	PSS-4
WQ1754-12	PSS-5
WQ1754-13	PSS-6

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Volatile Organic Analysis

One trip blank and five soil/sediment samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on June 16, 2000, and were specified to be analyzed for the USEPA full list of volatile organics in accordance with USEPA method 8260B.

Analyses for this SDG were performed on instrument 5970-Q. A VSTD050 (50 ppb standard) was used for the continuing calibration standard. Internal standard and surrogate compounds were also spiked at 50 ppb.

Batch QC (VBLK, and LCS) was performed in each twelve hour window. Results are included in this data package. The LCS QC samples were spiked with the entire list of compounds quantitated for at 50 ppb. No matrix spike/matrix spike duplicate pair was analyzed on any of the samples in this workorder.

Initial analysis of sample WQ1754-6 yielded internal standard area and surrogate recovery deviations. Reanalysis yielded similar results, confirming matrix interference. Both sets of data are included in this data package.

Method 8000B, section 7.5.1.2.1 (Revision 2, 12/96) states, "in those instances where the RSD for one or more analytes exceeds 20%, the initial calibration curve may still be acceptable if the mean of the RSD values for all analytes in the calibration is less than or equal to 20%." Method 8260B narrows this 20% maximum to 15%.

In the calibration curve analyzed in this SDG, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 13.1%, the curve was acceptable.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" (software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration. In addition, all "M" flags have been reviewed and approved by the GC/MS supervisor. Copies of each manual integration are included in the pertinent quantitation reports.

No other protocol deviations were noted by the volatile organics staff.

Semivolatile Organic Analysis

Three soil/sediment samples were received by the Katahdin GC/MS laboratory on June 16, 2000 for analysis for the TCL list of analytes in accordance with USEPA method 8270B.

The samples were extracted following USEPA method 3550 on June 23, 2000. A laboratory control spike, consisting of all TCL analytes spiked into an aliquot of organic free sand, was extracted in the batch.

The initial calibration curves analyzed in this SDG had some of the target analyte %RSD values exceeding 15 %.

Method 8000B, section 7.5.1.2.1 (Revision 2, 12/96) states, "in those instances where the RSD for one or more analytes exceeds 20%, the initial calibration curve may still be acceptable if the mean of the RSD values for all analytes in the calibration is less than or equal to 20%." Section 7.3.7.1 of method 8270C (revision 3, 12/96) narrows this 20% maximum to 15%.

In the calibration curves analyzed for this SDG, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 8.4% and 6.5%, the curves were acceptable.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" by the data system. All manual integrations have been dated and initialed by the responsible analyst. Copies of each manual integration are included in the data package. All manual integrations have been reviewed and approved by the GC/MS supervisor.

No other protocol deviations were noted by the semivolatiles organics staff.

GC Analysis

Samples WQ1754-1 and -4 through -13 were received on June 16, 2000 for determination of extractable total petroleum hydrocarbons (ETPH) according to the method prepared by Environmental Research Institute, University of Connecticut, March 1999. The terms ETPH and TPH are used interchangeably. Sample WQ1754-8 was used for the matrix spike (MS) and the matrix spike duplicate (MSD). All samples and QC were extracted and analyzed within hold time, and all QC criteria were met, with the following comments:

ETPH Analysis

Samples WQ1754-9, -10, and -13 were diluted in order to bring the high TPH concentration into the calibration range.

There were no other observations noted by the GC laboratory staff.

Metals Analysis

The samples of Katahdin Work Order WQ1754 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition.

SPLP Extraction

SPLP extraction of Katahdin Sample Nos. WQ1754-(3-13) was performed in accordance with Method 1312 of the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition. All extractions were performed using SPLP Fluid #1. Dates of extraction and filtration of these extracts, as well as identification of the SPLP Fluid Blank that is associated with each extract, are listed in the following table. SPLP extracts are identified throughout the accompanying data package and raw data by the suffix "V" appended to the Katahdin Sample Number, e.g. "WQ1754-003V". The analysis reports for SPLP extraction blanks follow Form 3P in the QC summary section of the accompanying package.

Katahdin Sample Number	Extraction Start Date	Extraction End Date	Extract Filtration Date	Associated SPLP Fluid Blank
WQ1754-003	06/19/00	06/20/00	06/20/00	PBP503A
WQ1754-004	06/19/00	06/20/00	06/20/00	PBP503A
WQ1754-005	06/19/00	06/20/00	06/20/00	PBP506A

WQ1754-006	06/19/00	06/20/00	06/20/00	PBP503A
WQ1754-007	06/19/00	06/20/00	06/20/00	PBP506A
WQ1754-008	06/19/00	06/20/00	06/20/00	PBP506A
WQ1754-009	06/19/00	06/20/00	06/20/00	PBP506A
WQ1754-010	06/19/00	06/20/00	06/20/00	PBP506A
WQ1754-011	06/19/00	06/20/00	06/20/00	PBP506A
WQ1754-012	06/19/00	06/20/00	06/20/00	PBP506A
WQ1754-013	06/19/00	06/20/00	06/20/00	PBP506A

Inductively-Coupled Plasma (ICP) Atomic Emission Spectroscopic Analysis

The SPLP extracts of Katahdin Work Order WQ1754 were digested for ICP analysis on 06/21/00 (QC Batch QF21ICW0) in accordance with USEPA Method 3010A.

ICP analyses of Katahdin Work Order WQ1754 sample digestates were performed in accordance with USEPA Method 6010B, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61 ICP spectrometer. All samples were analyzed within holding times and all QC criteria were met with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

The SPLP extracts of Katahdin Work Order WQ1754 were digested for mercury analysis on 06/23/00 (QC Batch QF23HGW1) in accordance with USEPA Method 7470A. Katahdin Sample No. WQ1754-006V was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WQ1754 sample digestates were performed using a Leeman Labs PS200 automated mercury analyzer. All samples were analyzed within holding times and all run QC criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager and/or his designee, as verified by the following signature.

Maria Crouch
Authorized Signature
07/13/00

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
 Tel. (207) 874-2400
 Fax (207) 775-4029

CLIENT: TRC

PROJECT: _____

LAB (WORK ORDER) # 4481754

PAGE: 1 OF 1

COOLER: 1 OF 1

COC# _____

SDG# _____

DATE / TIME RECEIVED: 6/16/00 - 10:40

DELIVERED BY: Fedex

RECEIVED BY: TS

LIMS ENTRY BY: SA

LIMS REVIEW BY / PM: APC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. TEMPERATURE BLANKS PRESENT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. SAMPLES RECEIVED AT 4°C +/- 2? (ICE) ICE PACKS PRESENT (Y) or N?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TEMP BLANK TEMP (°C) = <u>5.8</u>	
7. VOLATILES FREE OF HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	COOLER TEMP (°C) = <u>NA</u> (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
8. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. SAMPLES PROPERLY PRESERVED ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12. CORRECTIVE ACTION REPORT FILED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE): COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN): _____

LOG - IN NOTES⁽¹⁾: _____

⁽¹⁾ Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

080001

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SAMPLE DATA PACKAGE

0000001



**SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TRC ENVIRONMENTAL**

Sample Receipt

The following samples were received on June 29, 2000 and were logged in under Katahdin Analytical Services work order number WQ1911 for a hardcopy due date of July 27, 2000.

<u>KATAHDIN Sample No.</u>	<u>TRC Sample Identification</u>
WQ1911-1	TB062700
WQ1911-2	FB062700
WQ1911-3	B-6
WQ1911-4	B-7A
WQ1911-5	B-7B
WQ1911-6	B-7C
WQ1911-7	B-8A
WQ1911-8	B-4A
WQ1911-9	B-4B

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Volatile Organic Analysis

Five soil/sediment samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on June 29, 2000, and were specified to be analyzed for the USEPA full list of volatile organics in accordance with USEPA method 8260B.

Analyses for this SDG were performed on instrument 5970-Q. A VSTD050 (50 ppb standard) was used for the continuing calibration standard. Internal standard and surrogate compounds were also spiked at 50 ppb.

Batch QC (VBLK, and LCS) was performed in each twelve hour window. Results are included in this data package. The LCS QC samples were spiked with the entire list of compounds quantitated for at 50 ppb. No matrix spike/matrix spike duplicate pair was analyzed on any of the samples in this workorder.

Method 8000B, section 7.5.1.2.1 (Revision 2, 12/96) states, "in those instances where the RSD for one or more analytes exceeds 20%, the initial calibration curve may still be acceptable if the mean of the RSD values for all analytes in the calibration is less than or equal to 20%." Method 8260B narrows this 20% maximum to 15%.

In the calibration curve analyzed in this SDG, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 13.1%, the curve was acceptable.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" (software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration. In addition, all "M" flags have been reviewed and approved by the GC/MS supervisor. Copies of each manual integration are included in the pertinent quantitation reports.

No other protocol deviations were noted by the volatile organics staff.

Semivolatile Organic Analysis

Seven soil/sediment samples were received by the Katahdin GC/MS laboratory on June 29, 2000 for analysis for the TCL list of analytes in accordance with USEPA method 8270B.

The samples were extracted following USEPA method 3550 on July 5, 2000. A laboratory control spike, consisting of all TCL analytes spiked into an aliquot of organic free sand, was extracted in the batch, along with a matrix spike/matrix spike duplicate pair on sample WQ1911-4.

Surrogates were double spiked into all field samples due to laboratory error.

Initial analysis of sample WQ1911-7 yielded a concentration of bis(2-ethylhexyl)phthalate over the upper limit of the calibration curve. Reanalysis occurred at a 1:4 dilution successfully. Both sets of data for this sample are included in the data package.

The initial calibration curves analyzed in this SDG had some of the target analyte %RSD values exceeding 15 %.

Method 8000B, section 7.5.1.2.1 (Revision 2, 12/96) states, "in those instances where the RSD for one or more analytes exceeds 20%, the initial calibration curve may still be acceptable if the mean of the RSD values for all analytes in the calibration is less than or equal to 20%." Section 7.3.7.1 of method 8270C (revision 3, 12/96) narrows this 20% maximum to 15%.

In the calibration curves analyzed for this SDG, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 10.8% and 6.5%, the curves were acceptable.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" by the data system. All manual integrations have been dated and initialed by the responsible

0000003



analyst. Copies of each manual integration are included in the data package. All manual integrations have been reviewed and approved by the GC/MS supervisor.

No other protocol deviations were noted by the semivolatiles organics staff.

GC Analysis

Samples WQ1911-2 through -9 were received on June 29, 2000 for determination of extractable polychlorinated biphenyls (PCBs) according to the EPA method 8082 and extractable total petroleum hydrocarbons (ETPH) according to the method prepared by Environmental Research Institute, University of Connecticut, March 1999. The terms ETPH and TPH are used interchangeably. Sample WQ1911-4 was used for the matrix spike (MS) and the matrix spike duplicate (MSD). All samples and QC were extracted and analyzed within hold time, and all QC criteria were met, with the following comments:

TPH Analysis

Samples WQ1911-5, 8, and 9 were diluted in order to bring the high concentration of analytes into the calibration range.

The recovery for the MS/MSD analysis of sample WQ1911-4 was not calculable due to non-homogeneity of the sample.

PCB Analysis

There were no method deviations or observations noted by the GC laboratory staff.

Metals Analysis

The samples of Katahdin Work Order WQ1911 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition.

SPLP Extraction

SPLP extraction of Katahdin Sample Nos. WQ1911-(3, 4, 7, 8) was performed in accordance with Method 1312 of the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition. All extractions were performed using SPLP Fluid #1. Dates of extraction and filtration of these extracts, as well as identification of the SPLP Fluid Blank that is associated with each extract, are listed in the following table. SPLP extracts are identified throughout the accompanying data package and raw data by the suffix "V" appended to the Katahdin Sample Number, e.g. "WQ1911-003V". The analysis report for SPLP extraction blank PBP509A follows Form 3P in the QC summary section of the accompanying package.

Katahdin Sample Number	Extraction Start Date	Extraction End Date	Extract Filtration Date	Associated SPLP Fluid Blank
WQ1911-003	07/11/00	07/12/00	07/12/00	PBP509A
WQ1911-004	07/11/00	07/12/00	07/12/00	PBP509A
WQ1911-007	07/11/00	07/12/00	07/12/00	PBP509A
WQ1911-008	07/11/00	07/12/00	07/12/00	PBP509A

Inductively-Coupled Plasma (ICP) Atomic Emission Spectroscopic Analysis

The SPLP extracts of Katahdin Work Order WQ1911 were digested for ICP analysis on 07/14/00 (QC Batch QG14ICW0) in accordance with USEPA Method 3010A. Katahdin Sample No. WQ1911-004V was prepared with duplicate matrix-spiked aliquots.

ICP analyses of Katahdin Work Order WQ1911 sample digestates were performed in accordance with USEPA Method 6010B, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA 61 ICP spectrometer. All samples were analyzed within holding times and all QC criteria were met with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

The SPLP extracts of Katahdin Work Order WQ1911 were digested for mercury analysis on 07/13/00 (QC Batch QG13HGW0) in accordance with USEPA Method 7470A. Katahdin Sample No. WQ1911-004V was prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin Work Order WQ1911 sample digestates were performed using a Leeman Labs PS200 automated mercury analyzer. All samples were analyzed within holding times and all run QC criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager and/or his designee, as verified by the following signature.

Maria Crouch
Authorized Signature
07/27/00

0000005

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
 Tel. (207) 874-2400
 Fax (207) 775-4029

CLIENT: TRC Environmental

PROJECT: _____

LAB (WORK ORDER) # 002 1911
 PAGE: () OF ()
 COOLER: () OF ()
 COC# _____
 SDG# _____
 DATE / TIME RECEIVED: 6/29/00-1000
 DELIVERED BY: Feder
 RECEIVED BY: Saw
 LIMS ENTRY BY: SBW
 LIMS REVIEW BY / PM: APC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. TEMPERATURE BLANKS PRESENT?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
6. SAMPLES RECEIVED AT 4°C +/- 2? (ICE/ICE PACKS PRESENT <u>Y</u> or <u>N</u> ?)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TEMP BLANK TEMP (°C)= _____ COOLER TEMP (°C)= <u>5.3</u> NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
8. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. SAMPLES PROPERLY PRESERVED ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12. CORRECTIVE ACTION REPORT FILED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN): _____

LOG - IN NOTES⁽¹⁾: _____

⁽¹⁾ Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.



340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE PRINT IN PEN

Page 1 of 1

Client: **TRC Environmental** Contact: **Sarah Trombetta** Phone #: **(860) 298-6219** Fax #: **(860) 298-6399**
 Address: **5 Waterside Crossing** City: **Windsor** State: **CT** Zip Code: **0610906095**
 Purchase Order #: _____ Proj. Name / No.: **25863 0020 00000/MBF** Katahdin Quote #: _____

Site (if different than above) _____ Address _____

Sampler (Print / Sign): **S. Parker** Copies To: _____

LAB USE ONLY WORK ORDER #: **WQ1911**
KATAHDIN PROJECT MANAGER

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

REMARKS: _____
 SHIPPING INFO: FED EX UPS CLIENT
 AIRBILL NO: _____
 EMP °C TEMP BLANK INTACT NOT INTACT

| Fill |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| OYON |

* Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOC (5035/8260B) (pres MeOH)	VOC (5035/8260B) pres NaHSO4	ETPH (or ETPH, Rev. 0)	SVOC (8270)	PCB (8082)	Metals (1312/600B & 7471A)	1 8 oz. jar for: ETPH, SVOC, PCB, RCRA 8
TB062700	06/27/00/1000		4	1	3					
FB062700	/0930	W	1			1*				
B-6	/0910	S	6	1	3		1	1		
B-7a	/1200		8	1	3	1	1	1		
B-7b	/1330		3			1	1	1		
B-7c	/1310		3			1	1	1		
B-8a	/1100		8	1	3	1	1	1		
B-7a MS/MSD	/1200		4	1	3				1	
B-4a	/1425									
B-4b	/1445									
B-4a	/1445		7	1	3	1	1	1		
B-4b	↓ /1425	↓	2			1	1			

COMMENTS: * Field blank for ETPH collected in 1 liter amber glass jar

VOCs (40ml vials) [ETPH (4 oz glass jar), SVOC, PCBs] [RCRA 8 Metals (8oz glass jar)]

Relinquished By: (Signature) <i>[Signature]</i>	Date / Time: <i>6/28/00 1200</i>	Received By: (Signature) <i>[Signature]</i>	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

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Sample Data	-----	100009	to	100063
Standards Data	-----	100064	to	100159
Raw QC Data	-----	100160	to	100184
Logbooks and Supporting Documents	-----	100185	to	100187
 <u>PCB ANALYSIS</u>		 300001		
QC Summary	-----	300002	to	300006
Sample Data	-----	300007	to	300021
Standards Data	-----	300022	to	300110
Raw QC Data	-----	300111	to	300136
Logbooks and Supporting Documents	-----	300137	to	300142
 <u>METALS ANALYSIS</u>		 400001		
Sample Data	-----	400002	to	400009
QC Summary	-----	400010	to	400121
Raw Data	-----	400122	to	4000431
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 <u>CONVENTIONAL AND PHYSICAL ANALYTICAL DATA</u>		 500001		
QC Summary	-----	500002	to	500004
Sample Data	-----	500005	to	500011
Raw Data	-----	500012	to	500025
 <u>TOTAL PETROLEUM HYDROCARBON DATA</u>		 700001		
QC Summary	-----	700002	to	700005
Sample Data	-----	700006	to	700016
Standards Data	-----	700017	to	700042
Raw QC Data	-----	700043	to	700058
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SAMPLE DATA PACKAGE

0000001



SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TRC ENVIRONMENTAL

Sample Receipt

The following samples were received on July 29, 2000 and were logged in under Katahdin Analytical Services work order number WQ2268 for a hardcopy due date of August 28, 2000.

<u>Sample No.</u>	<u>Sample Identification</u>
KATAHDIN WQ2268-1	TRC MW-4
WQ2268-2	MW-6
WQ2268-3	MW-2
WQ2268-4	FB072800
WQ2268-5	MW-7
WQ2268-6	MW-8
WQ2268-7	TB072800

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Volatile Organic Analysis

Six aqueous samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on July 29, 2000, and were specified to be analyzed for the USEPA full list of volatile organics in accordance with USEPA method 8260B.

Analyses for this SDG were performed on instrument 5972-M. A VSTD050 (50 ppb standard) was used for the continuing calibration standard. Internal standard and surrogate compounds were also spiked at 50 ppb.

Batch QC (VBLK, and LCS) was performed in each twelve hour window. Results are included in this data package. The LCS QC samples were spiked with the entire list of compounds quantitated for at 50 ppb. No matrix spike/matrix spike duplicate pair was analyzed on any of the samples in this workorder.

Inductively-Coupled Plasma (ICP) Atomic Emission Spectroscopic Analysis

Aqueous-matrix Katahdin Sample Nos. WQ2268-(1-6) were digested for ICP analysis on 08/03/00 (QC Batch QH03ICW1). Katahdin Sample No. WQ2268-5 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of Katahdin Work Order WQ2268 sample digestates were performed using a Thermo Jarrell Ash Trace ICP spectrometer. All samples were analyzed within holding times and all QC criteria were met with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Mercury Analysis by Cold Vapor Atomic Absorption (CVAA) Spectrophotometry

Aqueous-matrix Katahdin Sample Nos. WQ2268-(1-6) were digested for mercury analysis on 08/01/00 (QC Batch QH01HGW0). Katahdin Sample No. WQ2268-5 was prepared with duplicate matrix-spiked aliquots.

Mercury digestates were analyzed using a Leeman Labs PS200 automated mercury analyzer. All samples were analyzed within holding times and all QC requirements were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager and/or his designee, as verified by the following signature.

Wana Crouch
Authorized Signature
08/31/00

0000004

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
 Fax (207) 775-4029

LAB (WORK ORDER) # WQ 2268

PAGE: 1 OF 1

COOLER: () OF ()

COC# ---
 SDG# ---

DATE / TIME RECEIVED: 7-29-00 1:30

DELIVERED BY: RedEx

RECEIVED BY: DL

LIMS ENTRY BY: Spaw

LIMS REVIEW BY / PM: APC

CLIENT: TRC

PROJECT: _____

- | | YES | NO | EXCEPTIONS |
|--|-------------------------------------|-------------------------------------|--------------------------|
| 1. CUSTODY SEALS PRESENT / INTACT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. CHAIN OF CUSTODY PRESENT IN THIS COOLER? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. CHAIN OF CUSTODY SIGNED BY CLIENT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. CHAIN OF CUSTODY MATCHES SAMPLES? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. TEMPERATURE BLANKS PRESENT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. SAMPLES RECEIVED AT 4°C +/- 2°C?
(ICE) ICE PACKS PRESENT (Y or N)? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. VOLATILES FREE OF HEADSPACE? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. TRIP BLANK PRESENT IN THIS COOLER | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. PROPER SAMPLE CONTAINERS AND VOLUME? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. SAMPLES WITHIN HOLD TIME UPON RECEIPT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. SAMPLES PROPERLY PRESERVED ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. CORRECTIVE ACTION REPORT FILED? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |

COMMENTS _____ RESOLUTION _____

TEMP BLANK TEMP (°C) = 11.0
 COOLER TEMP (°C) = NA
 (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)

App notification search found on 7/31/00 - if we could.

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLIP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG-IN NOTES: Only 1 bag of ice
1 of 4 vial vials for MW-7, Received broken

⁽¹⁾ Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.



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Raw QC Data	-----	1000351	to	1000398
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 <u>SEMIVOLATILE ANALYSIS</u>		 200001		
QC Summary	-----	200002	to	200015
Sample Data	-----	200016	to	200062
Standards Data	-----	200063	to	2000184
Raw QC Data	-----	2000185	to	2000202
Logbooks and Supporting Documents	-----	2000203	to	2000211
 <u>METALS ANALYSIS</u>		 400001		
Sample Data	-----	400002	to	400007
QC Summary	-----	400008	to	4000132
Raw Data	-----	4000133	to	4000494
Logbooks and Supporting Documents	-----	4000495	to	4000501
 <u>TOTAL PETROLEUM HYDROCARBON DATA</u>				
QC Summary	-----	600002	to	600007
Sample Data	-----	600008	to	600026
Standards Data	-----	600027	to	600049
Raw QC Data	-----	600050	to	600064
Logbooks and Supporting Documents	-----	600065	to	600074

SAMPLE DATA PACKAGE



**SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TRC ENVIRONMENTAL
CASE CT BROWNFIELDS**

Sample Receipt

The following samples were received on June 14, 2000 and were logged in under Katahdin Analytical Services work order number WQ1719 for a hardcopy due date of July 12, 2000.

<u>Sample No.</u>	<u>Sample Identification</u>
KATAHDIN WQ1719-1	TRC B-1
WQ1719-2	B-2
WQ1719-3	B-3A
WQ1719-4	B-3B
WQ1719-5	B-5
WQ1719-6	FB061300
WQ1719-7	TB061300

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Volatile Organic Analysis

One trip blank and four soil/sediment samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on June 14, 2000, and were specified to be analyzed for the USEPA full list of volatile organics in accordance with USEPA method 8260B.

Analyses for this SDG were performed on instrument 5970-Q (low level soil), 5972-S (medium level soil), and 5972-F (aqueous). A VSTD050 (50 ppb standard) was used for the continuing calibration standard. Internal standard and surrogate compounds were also spiked at 50 ppb.

Batch QC (VBLK, and LCS) was performed in each twelve hour window. Results are included in this data package. The LCS QC samples were spiked with the entire list of compounds quantitated for at 50 ppb. No matrix spike/matrix spike duplicate pair was analyzed on any of the samples in this workorder.

Analysis of WQ1719-1 occurred using the methanol extract due to target analyte concentrations and the matrix.

Method 8000B, section 7.5.1.2.1 (Revision 2, 12/96) states, "in those instances where the RSD for one or more analytes exceeds 20%, the initial calibration curve may still be acceptable if the mean of the RSD values for all analytes in the calibration is less than or equal to 20%." Method 8260B narrows this 20% maximum to 15%.

In the calibration curves analyzed in this SDG, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 14.7%, 13.1%, and 14.1%, the curves were acceptable.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" (software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration. In addition, all "M" flags have been reviewed and approved by the GC/MS supervisor. Copies of each manual integration are included in the pertinent quantitation reports.

No other protocol deviations were noted by the volatile organics staff.

Semivolatile Organic Analysis

Five soil/sediment samples were received by the Katahdin GC/MS laboratory on June 14, 2000 for analysis for the TCL list of analytes in accordance with USEPA method 8270B.

The samples were extracted following USEPA method 3550 on June 23, 2000. A laboratory control spike, consisting of all TCL analytes spiked into an aliquot of organic free sand, was extracted in the batch.

Initial analysis of sample WQ1719-1 yielded a concentration of 2-methylnaphthalene over the upper limit of the calibration curve. Reanalysis occurred at a 1:4 dilution successfully. Both sets of data for this sample are included in the data package.

The initial calibration curves analyzed in this SDG had some of the target analyte %RSD values exceeding 15 %.

Method 8000B, section 7.5.1.2.1 (Revision 2, 12/96) states, "in those instances where the RSD for one or more analytes exceeds 20%, the initial calibration curve may still be acceptable if the mean of the RSD values for all analytes in the calibration is less than or equal to 20%." Section 7.3.7.1 of method 8270C (revision 3, 12/96) narrows this 20% maximum to 15%.

In the calibration curves analyzed for this SDG, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 8.4% and 6.5%, the curves were acceptable.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" by the data system. All manual integrations have been dated and initialed by the responsible

analyst. Copies of each manual integration are included in the data package. All manual integrations have been reviewed and approved by the GC/MS supervisor.

No other protocol deviations were noted by the semivolatiles organics staff.

GC Analysis

Samples WQ1719-1 through -4 and -6 were received on June 14, 2000 and were analyzed for extractable total petroleum hydrocarbons (ETPH) according to the method prepared by Environmental Research Institute, University of Connecticut, March 1999. The terms ETPH and TPH are used interchangeably. All samples and QC were extracted and analyzed within hold time, and all QC criteria were met with the following comments:

ETPH Analysis

Samples WQ1719-1 and -2 were diluted in order to bring the high TPH concentration into the calibration range. Consequently, the surrogate for sample WQ1719-1 was diluted out of range.

There were no method other deviations or other observations noted by the GC laboratory staff.

Metals Analysis

The samples of Katahdin Work Order WQ1719 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition.

SPLP Extraction

The SPLP extraction of Katahdin Sample Nos. WQ1719-(1, 2, 3, 5) was performed in accordance with USEPA Method 1312 of the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition. The SPLP extraction of these samples was begun on 06/16/00, and the resulting extracts were filtered on 06/17/00. SPLP extracts are identified throughout the accompanying data package and raw data by the suffix "V" appended to the Katahdin Sample Number, e.g. "WQ1719-001V". The SPLP extractions of Katahdin Sample Nos. WQ1719-(1, 2, 3, 5) were performed using SPLP Fluid #1 from Katahdin SPLP Fluid Preparation Batch 503. The SPLP extraction blank that is associated with these samples is identified as Katahdin Sample No. PBP503A. The analysis report for this SPLP extraction blank follows Form 3P in the QC summary section of the accompanying package.

Inductively-Coupled Plasma (ICP) Atomic Emission Spectroscopic Analysis

The SPLP extracts of Katahdin Sample Nos. WQ1719-(1, 2, 3, 5) were digested on 06/21/00 (QC Batch QF21ICW0) in accordance with USEPA Method 3010A prior to ICP analysis.

ICP analyses of Katahdin Work Order WQ1719 sample digestates were performed in accordance with USEPA Method 6010A, using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a

TJA 61 ICP spectrometer. All samples were analyzed within holding times and all QC requirements were met with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Mercury Analysis by Cold Vapor Atomic Absorption (CVAA) Spectrophotometry

The SPLP extracts of Katahdin Sample Nos. WQ1719-(1, 2, 3, 5) were digested on 06/21/00 (QC Batch QF21HGWO) in accordance with USEPA Method 7470A prior to mercury analysis.

Mercury digestates were analyzed in accordance with USEPA Method 7470A using a Leeman Labs PS200 automated mercury analyzer. All samples were analyzed within holding times and all QC requirements were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager and/or his designee, as verified by the following signature.

Maria Crouch
Authorized Signature
07/06/00

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
 Tel. (207) 874-2400
 Fax (207) 775-4029

LAB (WORK ORDER) # W&I 719

PAGE: 1 OF 1

COOLER: 1 OF 1

COC# ---
 SDG# ---

DATE / TIME RECEIVED: 6/14/00 - 9:40

DELIVERED BY: Fedex

RECEIVED BY: SAW

LIMS ENTRY BY: JS

LIMS REVIEW BY / PM: AIC

CLIENT: TAC Environmental

PROJECT: Brown Fields

- | | YES | NO | EXCEPTIONS |
|--|-------------------------------------|-------------------------------------|--------------------------|
| 1. CUSTODY SEALS PRESENT / INTACT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. CHAIN OF CUSTODY PRESENT IN THIS COOLER? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. CHAIN OF CUSTODY SIGNED BY CLIENT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. CHAIN OF CUSTODY MATCHES SAMPLES? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. TEMPERATURE BLANKS PRESENT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. SAMPLES RECEIVED AT 4°C +/- 2°
ICE / ICE PACKS PRESENT <input checked="" type="checkbox"/> or N? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. VOLATILES FREE OF HEADSPACE? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. TRIP BLANK PRESENT IN THIS COOLER | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. PROPER SAMPLE CONTAINERS AND VOLUME? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. SAMPLES WITHIN HOLD TIME UPON RECEIPT? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. SAMPLES PROPERLY PRESERVED ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. CORRECTIVE ACTION REPORT FILED? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N/A |

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES ⁽¹⁾:

COMMENTS

RESOLUTION

TEMP BLANK TEMP (°C) = 1.6
 COOLER TEMP (°C) = NA
 (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)

AIC notified Sarah Trombetta by v.m. 6/14/00

⁽¹⁾ Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

000006



340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE PRINT IN PEN

Page 1 of 1

Client: TRC Contact: Sarah Trombetta Phone #: 6219 (800) 298-2692 Fax #: (800) 298-6399
 Address: 5 Waterside Crossing City: Windsor State: CT Zip Code: 06095
 Purchase Order #: _____ Proj. Name / No.: Middletown Brownfields Katahdin Quote #: _____

Bill (if different than above) Address: _____

Sampler (Print / Sign): Seth Parker / Seth A. Parker Copies To: _____

LAB USE ONLY
 WORK ORDER #: WQ1719
 KATAHDIN PROJECT MANAGER: _____
 REMARKS: _____
 SHIPPING INFO: FED EX UPS CLIENT
 IRBILL NO.: _____
 EMP°C: TEMP BLANK INTACT NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt.										
				OYON										
B-1	6/13/00/0915	S	7	1	3	1	1	1						
B-2	6/13/00/1045		7	1	3	1	1	1						
B-3a	6/13/00/1300		7	1	3	1	1	1						
B-3b	6/13/00/1200		2			1	1							
B-5	6/13/00/1415	↓	6	1	3		1	1						
FB061300	6/13/00/0830	W	1*			1								
TB061300	6/13/00/1500		4	1	3									
/	/													
/	/													
/	/													
/	/													
/	/													
/	/													
/	/													
/	/													
/	/													

COMMENTS: VOCs (40 ml vials), ETPH (4 oz glass), SVOC (4 oz. glass), Metals (8 oz. glass)
 * 1 liter amber glass

Relinquished By: (Signature) <u>Seth A. Parker</u>	Date / Time <u>6/13/00 1700</u>	Received By: (Signature) <u>Shelley Welch</u>	Date / Time <u>6/14/00 0940</u>	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Date / Time	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

SOIL ANALYTICAL DATA



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1719-1
 SDG: WQ1719
 Report Date: 06/28/2000
 PO No.: 06.14.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 82 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-1	Solid	06/13/2000	06/14/2000	06/21/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		1900	mg/Kg	24	120	5.0	06/23/2000	JCG
o-Terphenyl		DL		24			06/23/2000	JCG

Report Notes:

'DL' flag denotes inability to calculate surrogate recovery due to sample dilution.
 Sample dilution required for quantitation of one or more target analytes; therefore, standard laboratory Practical Quantitation Level (PQL) could not be achieved.



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1719-2
 SDG: WQ1719
 Report Date: 06/28/2000
 PO No.: 06.14.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 87 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method			
B-2	Solid	06/13/2000	06/14/2000	06/21/2000	GST	SW846 3550			
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst	
Total Petroleum Hydrocarbons		140	mg/Kg	2.3	11	5.0	06/26/2000	JCG	
o-Terphenyl		76	%	2.3			06/26/2000	JCG	

Report Notes:

Sample dilution required for quantitation of one or more target analytes; therefore, standard laboratory Practical Quantitation Level (PQL) could not be achieved.



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1719-3
 SDG: WQ1719
 Report Date: 06/28/2000
 PO No.: 06.14.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 91 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-3A	Solid	06/13/2000	06/14/2000	06/21/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		15	mg/Kg	1.1	5.5	5.0	06/23/2000	JCG
o-Terphenyl		72	%	1.1			06/23/2000	JCG



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1719-4
 SDG: WQ1719
 Report Date: 06/28/2000
 PO No.: 06.14.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 92 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method			
B-3B	Solid	06/13/2000	06/14/2000	06/21/2000	GST	SW846 3550			

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		6.8	mg/Kg	1.1	5.4	5.0	06/23/2000	JCG
o-Terphenyl		78	%	1.1			06/23/2000	JCG



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-4
 SDG: WQ1911
 Report Date: 07/17/2000
 PO No.: 06.29.00
 Project: 25863 0020 00000
 Percent Solids: 90 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-7A	Solid	06/27/2000	06/29/2000	07/07/2000	GST	SW846 3550		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		100	mg/Kg	1.1	5.5	5.0	07/14/2000	JCK
o-Terphenyl		58	%	1.1			07/14/2000	JCK



Katahdin Analytical Services, Inc.
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-7
 SDG: WQ1911
 Report Date: 07/17/2000
 PO No.: 06.29.00
 Project: 25863 0020 00000
 Percent Solids: 92 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-8A	Solid	06/27/2000	06/29/2000	07/07/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		75	mg/Kg	1.1	5.4	5.0	07/15/2000	JCK
o-Terphenyl		56	%	1.1			07/15/2000	JCK



Katahdin Analytical Services, Inc.
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing
Windsor, CT 06095
Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-5
SDG: WQ1911
Report Date: 07/17/2000
PO No.: 06.29.00
Project: 25863 0020 00000
Percent Solids: 94 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-7B	Solid	06/27/2000	06/29/2000	07/07/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		190	mg/Kg	3.2	16	5.0	07/15/2000	JCK
o-Terphenyl		63	%	3.2			07/15/2000	JCK

Report Notes:

Sample dilution required for quantitation of one or more target analytes; therefore, standard laboratory Practical Quantitation Level (PQL) could not be achieved.



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-6
 SDG: WQ1911
 Report Date: 07/17/2000
 PO No.: 06.29.00
 Project: 25863 0020 00000
 Percent Solids: 93 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-7C	Solid	06/27/2000	06/29/2000	07/07/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		94	mg/Kg	1.1	5.4	5.0	07/15/2000	JCK
o-Terphenyl		58	%	1.1			07/15/2000	JCK



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 82
 Method: SW8260
 Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/16/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<250	ug/Kgdrywt	50	250	5
CHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
VINYL CHLORIDE	<500	ug/Kgdrywt	50	500	10
BROMOMETHANE	<250	ug/Kgdrywt	50	250	5
CHLOROETHANE	<250	ug/Kgdrywt	50	250	5
TRICHLOROFLUOROMETHANE	<250	ug/Kgdrywt	50	250	5
1,1-DICHLOROETHENE	<250	ug/Kgdrywt	50	250	5
METHYLENE CHLORIDE	J220	ug/Kgdrywt	50	250	5
1,2-DICHLOROETHENE (TRANS)	<250	ug/Kgdrywt	50	250	5
1,1-DICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROETHENE (CIS)	<250	ug/Kgdrywt	50	250	5
2,2-DICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
CHLOROFORM	<250	ug/Kgdrywt	50	250	5
BROMOCHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
1,1,1-TRICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,1-DICHLOROPROPENE	<250	ug/Kgdrywt	50	250	5
CARBON TETRACHLORIDE	<250	ug/Kgdrywt	50	250	5
BENZENE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
TRICHLOROETHENE	<250	ug/Kgdrywt	50	250	5
DIBROMOMETHANE	<250	ug/Kgdrywt	50	250	5
BROMODICHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
CIS-1,3-DICHLOROPROPENE	<250	ug/Kgdrywt	50	250	5
TOLUENE	<250	ug/Kgdrywt	50	250	5
TRANS-1,3-DICHLOROPROPENE	<250	ug/Kgdrywt	50	250	5
1,1,2-TRICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,3-DICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
DIBROMOCHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
TETRACHLOROETHENE	<250	ug/Kgdrywt	50	250	5
1,2-DIBROMOETHANE	<250	ug/Kgdrywt	50	250	5
CHLOROENZENE	<250	ug/Kgdrywt	50	250	5
1,1,1,2-TETRACHLOROETHANE	<250	ug/Kgdrywt	50	250	5

Report Notes: J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 82
 Method: SW8260
 Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/16/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	1000	ug/Kgdrywt	50	250	5
BROMOFORM	<250	ug/Kgdrywt	50	250	5
STYRENE	<250	ug/Kgdrywt	50	250	5
1,1,2,2-TETRACHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,2,3-TRICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
ISOPROPYLBENZENE	840	ug/Kgdrywt	50	250	5
BROMOBENZENE	<250	ug/Kgdrywt	50	250	5
2-CHLOROTOLUENE	<250	ug/Kgdrywt	50	250	5
N-PROPYLBENZENE	2000	ug/Kgdrywt	50	250	5
4-CHLOROTOLUENE	<250	ug/Kgdrywt	50	250	5
1,3,5-TRIMETHYLBENZENE	2000	ug/Kgdrywt	50	250	5
TERT-BUTYLBENZENE	<250	ug/Kgdrywt	50	250	5
1,2,4-TRICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
SEC-BUTYLBENZENE	2800	ug/Kgdrywt	50	250	5
1,3-DICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
P-ISOPROPYLTOLUENE	1400	ug/Kgdrywt	50	250	5
1,4-DICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
N-BUTYLBENZENE	4300	ug/Kgdrywt	50	250	5
1,2-DIBROMO-3-CHLOROPROPAN	<250	ug/Kgdrywt	50	250	5
1,2,4-TRIMETHYLBENZENE	1600	ug/Kgdrywt	50	250	5
NAPHTHALENE	7900	ug/Kgdrywt	50	250	5
HEXACHLOROBUTADIENE	<250	ug/Kgdrywt	50	250	5
1,2,3-TRICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
MTBE	<250	ug/Kgdrywt	50	250	5
ACETONE	J430	ug/Kgdrywt	50	500	10
2-BUTANONE	<500	ug/Kgdrywt	50	500	10
4-METHYL-2-PENTANONE	<500	ug/Kgdrywt	50	500	10
2-HEXANONE	<500	ug/Kgdrywt	50	500	10
M+P-XYLENE	J150	ug/Kgdrywt	50	250	5
O-XYLENE	<250	ug/Kgdrywt	50	250	5
1,3,5-TRICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
VINYL ACETATE	<250	ug/Kgdrywt	50	250	5.0

Report Notes: J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1
SDG: WQ1719
Report Date: 6/27/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 82
Method: SW8260
Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/16/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<250	ug/Kgdrywt	50	250	5
DIETHYL ETHER	<250	ug/Kgdrywt	50	250	5
TETRAHYDROFURAN	<500	ug/Kgdrywt	50	500	10
2-CHLOROETHYLVINYLETHER	<500	ug/Kgdrywt	50	500	10
DIBROMOFLUOROMETHANE	105	%	50		
1,2-DICHLOROETHANE-D4	116	%	50		
TOLUENE-D8	102	%	50		
P-BROMOFLUOROBENZENE	118	%	50		

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-2
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 87
 Method: SW8260
 Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.94	5	5
CHLOROMETHANE	<5	ug/Kg	0.94	5	5
VINYL CHLORIDE	<10	ug/Kg	0.94	10	10
BROMOMETHANE	<5	ug/Kg	0.94	5	5
CHLOROETHANE	<5	ug/Kg	0.94	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.94	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.94	5	5
METHYLENE CHLORIDE	B14	ug/Kg	0.94	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.94	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.94	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.94	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.94	5	5
CHLOROFORM	<5	ug/Kg	0.94	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.94	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.94	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.94	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.94	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.94	5	5
BENZENE	<5	ug/Kg	0.94	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.94	5	5
TRICHLOROETHENE	<5	ug/Kg	0.94	5	5
DIBROMOMETHANE	<5	ug/Kg	0.94	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.94	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.94	5	5
TOLUENE	<5	ug/Kg	0.94	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.94	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.94	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.94	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.94	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.94	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.94	5	5
CHLOROBENZENE	<5	ug/Kg	0.94	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.94	5	5

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-2
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 87
 Method: SW8260
 Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.94	5	5
BROMOFORM	<5	ug/Kg	0.94	5	5
STYRENE	<5	ug/Kg	0.94	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.94	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.94	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.94	5	5
BROMOBENZENE	<5	ug/Kg	0.94	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.94	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.94	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.94	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.94	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.94	5	5
1,2,4-TRICHLOROENZENE	<5	ug/Kg	0.94	5	5
SEC-BUTYLBENZENE	6	ug/Kg	0.94	5	5
1,3-DICHLOROENZENE	<5	ug/Kg	0.94	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.94	5	5
1,4-DICHLOROENZENE	<5	ug/Kg	0.94	5	5
1,2-DICHLOROENZENE	<5	ug/Kg	0.94	5	5
N-BUTYLBENZENE	J3	ug/Kg	0.94	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.94	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.94	5	5
NAPHTHALENE	<5	ug/Kg	0.94	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.94	5	5
1,2,3-TRICHLOROENZENE	<5	ug/Kg	0.94	5	5
MTBE	<5	ug/Kg	0.94	5	5
ACETONE	J7	ug/Kg	0.94	10	10
2-BUTANONE	<10	ug/Kg	0.94	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.94	10	10
2-HEXANONE	<10	ug/Kg	0.94	10	10
M+P-XYLENE	<5	ug/Kg	0.94	5	5
O-XYLENE	<5	ug/Kg	0.94	5	5
1,3,5 TRICHLOROENZENE	<5	ug/Kg	0.94	5	5
VINYL ACETATE	<5.0	ug/Kg	0.94	5.0	5.0

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-2
SDG: WQ1719
Report Date: 6/27/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 87
Method: SW8260
Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.94	5	5
DIETHYL ETHER	<5	ug/Kg	0.94	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.94	10	10
2-CHLOROETHYLVINYLETHER	<10	ug/Kg	0.94	10	10
DIBROMOFLUOROMETHANE	115	%	0.94		
1,2-DICHLOROETHANE-D4	115	%	0.94		
TOLUENE-D8	128	%	0.94		
P-BROMOFLUOROBENZENE	118	%	0.94		

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-3
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 91
 Method: SW8260
 Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3A	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.85	5	5
CHLOROMETHANE	<5	ug/Kg	0.85	5	5
VINYL CHLORIDE	<10	ug/Kg	0.85	10	10
BROMOMETHANE	<5	ug/Kg	0.85	5	5
CHLOROETHANE	<5	ug/Kg	0.85	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.85	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.85	5	5
METHYLENE CHLORIDE	B13	ug/Kg	0.85	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.85	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.85	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.85	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.85	5	5
CHLOROFORM	<5	ug/Kg	0.85	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.85	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.85	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.85	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.85	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.85	5	5
BENZENE	<5	ug/Kg	0.85	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.85	5	5
TRICHLOROETHENE	<5	ug/Kg	0.85	5	5
DIBROMOMETHANE	<5	ug/Kg	0.85	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.85	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.85	5	5
TOLUENE	<5	ug/Kg	0.85	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.85	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.85	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.85	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.85	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.85	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.85	5	5
CHLOROBENZENE	<5	ug/Kg	0.85	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.85	5	5

Report Notes: B



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-3
SDG: WQ1719
Report Date: 6/27/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 91
Method: SW8260
Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3A	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.85	5	5
BROMOFORM	<5	ug/Kg	0.85	5	5
STYRENE	<5	ug/Kg	0.85	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.85	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.85	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.85	5	5
BROMOBENZENE	<5	ug/Kg	0.85	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.85	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.85	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.85	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.85	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.85	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.85	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.85	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.85	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.85	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.85	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.85	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.85	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.85	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.85	5	5
NAPHTHALENE	<5	ug/Kg	0.85	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.85	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.85	5	5
MTBE	<5	ug/Kg	0.85	5	5
ACETONE	13	ug/Kg	0.85	10	10
2-BUTANONE	<10	ug/Kg	0.85	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.85	10	10
2-HEXANONE	<10	ug/Kg	0.85	10	10
M+P-XYLENE	<5	ug/Kg	0.85	5	5
O-XYLENE	<5	ug/Kg	0.85	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.85	5	5
VINYL ACETATE	<5.0	ug/Kg	0.85	5.0	5.0

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-3
SDG: WQ1719
Report Date: 6/27/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 91
Method: SW8260
Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3A	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.85	5	5
DIETHYL ETHER	<5	ug/Kg	0.85	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.85	10	10
2-CHLOROETHYLVINYLETHER	<10	ug/Kg	0.85	10	10
DIBROMOFUOROMETHANE	112	%	0.85		
1,2-DICHLOROETHANE-D4	112	%	0.85		
TOLUENE-D8	118	%	0.85		
P-BROMOFUOROBENZENE	109	%	0.85		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-3
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 88
 Method: SW8260
 Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-4	SL	6/14/00	6/16/00	6/17/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	B10	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
CHLOROFORM	<5	ug/Kg	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	1.0	5	5
BENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
TRICHLOROETHENE	<5	ug/Kg	1.0	5	5
DIBROMOMETHANE	<5	ug/Kg	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
TOLUENE	<5	ug/Kg	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
TETRACHLOROETHENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	1.0	5	5
CHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-3
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 88
 Method: SW8260
 Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-4	SL	6/14/00	6/16/00	6/17/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOFORM	<5	ug/Kg	1.0	5	5
STYRENE	<5	ug/Kg	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	1.0	5	5
ISOPROPYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOBENZENE	<5	ug/Kg	1.0	5	5
2-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
N-PROPYLBENZENE	<5	ug/Kg	1.0	5	5
4-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
N-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
NAPHTHALENE	<5	ug/Kg	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
MTBE	<5	ug/Kg	1.0	5	5
ACETONE	J5	ug/Kg	1.0	10	10
2-BUTANONE	<10	ug/Kg	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	1.0	10	10
2-HEXANONE	<10	ug/Kg	1.0	10	10
M+P-XYLENE	<5	ug/Kg	1.0	5	5
O-XYLENE	<5	ug/Kg	1.0	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
VINYL ACETATE	<5.0	ug/Kg	1.0	5.0	5.0

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-3
SDG: WQ1754
Report Date: 6/27/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 88
Method: SW8260
Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-4	SL	6/14/00	6/16/00	6/17/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	1.0	5	5
DIETHYL ETHER	<5	ug/Kg	1.0	5	5
TETRAHYDROFURAN	<10	ug/Kg	1.0	10	10
2-CHLOROETHYLVINYLEETHER	<10	ug/Kg	1.0	10	10
DIBROMOFLUOROMETHANE	90	%	1.0		
1,2-DICHLOROETHANE-D4	86	%	1.0		
TOLUENE-D8	88	%	1.0		
P-BROMOFLUOROBENZENE	80	%	1.0		

Report Notes: B



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-5
SDG: WQ1719
Report Date: 6/27/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 87
Method: SW8260
Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.91	5	5
CHLOROMETHANE	<5	ug/Kg	0.91	5	5
VINYL CHLORIDE	<10	ug/Kg	0.91	10	10
BROMOMETHANE	<5	ug/Kg	0.91	5	5
CHLOROETHANE	<5	ug/Kg	0.91	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.91	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.91	5	5
METHYLENE CHLORIDE	B15	ug/Kg	0.91	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.91	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.91	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.91	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.91	5	5
CHLOROFORM	<5	ug/Kg	0.91	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.91	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.91	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.91	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.91	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.91	5	5
BENZENE	<5	ug/Kg	0.91	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.91	5	5
TRICHLOROETHENE	<5	ug/Kg	0.91	5	5
DIBROMOMETHANE	<5	ug/Kg	0.91	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.91	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.91	5	5
TOLUENE	<5	ug/Kg	0.91	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.91	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.91	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.91	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.91	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.91	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.91	5	5
CHLOROBENZENE	<5	ug/Kg	0.91	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.91	5	5

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1719-5
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 87
 Method: SW8260
 Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
ETHYLBENZENE	<5	ug/Kg	0.91	5	5
BROMOFORM	<5	ug/Kg	0.91	5	5
STYRENE	<5	ug/Kg	0.91	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.91	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.91	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.91	5	5
BROMOBENZENE	<5	ug/Kg	0.91	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.91	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.91	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.91	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.91	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.91	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.91	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.91	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.91	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.91	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.91	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.91	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.91	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.91	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.91	5	5
NAPHTHALENE	<5	ug/Kg	0.91	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.91	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.91	5	5
MTBE	<5	ug/Kg	0.91	5	5
ACETONE	15	ug/Kg	0.91	10	10
2-BUTANONE	<10	ug/Kg	0.91	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.91	10	10
2-HEXANONE	<10	ug/Kg	0.91	10	10
M+P-XYLENE	<5	ug/Kg	0.91	5	5
O-XYLENE	<5	ug/Kg	0.91	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.91	5	5
VINYL ACETATE	<5.0	ug/Kg	0.91	5.0	5.0

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-5
SDG: WQ1719
Report Date: 6/27/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 87
Method: SW8260
Date Analyzed: 6/16/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	SL	6/13/00	6/14/00	6/16/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.91	5	5
DIETHYL ETHER	<5	ug/Kg	0.91	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.91	10	10
2-CHLOROETHYL VINYLETHER	<10	ug/Kg	0.91	10	10
DIBROMOFLUOROMETHANE	116	%	0.91		
1,2-DICHLOROETHANE-D4	117	%	0.91		
TOLUENE-D8	126	%	0.91		
P-BROMOFLUOROBENZENE	116	%	0.91		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1911-3
 SDG: WQ1911
 Report Date: 7/12/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 94
 Method: SW8260
 Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-6	SL	6/27/00	6/29/00	7/11/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.84	5	5
CHLOROMETHANE	<5	ug/Kg	0.84	5	5
VINYL CHLORIDE	<10	ug/Kg	0.84	10	10
BROMOMETHANE	<5	ug/Kg	0.84	5	5
CHLOROETHANE	<5	ug/Kg	0.84	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.84	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.84	5	5
METHYLENE CHLORIDE	B8	ug/Kg	0.84	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.84	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.84	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.84	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.84	5	5
CHLOROFORM	<5	ug/Kg	0.84	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.84	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.84	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.84	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.84	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.84	5	5
BENZENE	<5	ug/Kg	0.84	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.84	5	5
TRICHLOROETHENE	<5	ug/Kg	0.84	5	5
DIBROMOMETHANE	<5	ug/Kg	0.84	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.84	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.84	5	5
TOLUENE	<5	ug/Kg	0.84	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.84	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.84	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.84	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.84	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.84	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.84	5	5
CHLOROBENZENE	<5	ug/Kg	0.84	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.84	5	5
ETHYLBENZENE	<5	ug/Kg	0.84	5	5
BROMOFORM	<5	ug/Kg	0.84	5	5
STYRENE	<5	ug/Kg	0.84	5	5

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1911-3
 SDG: WQ1911
 Report Date: 7/12/00
 PO No.: 06.29.00
 Project: 25863 0020 00000
 % Solids: 94
 Method: SW8260
 Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-6	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.84	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.84	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.84	5	5
BROMOBENZENE	<5	ug/Kg	0.84	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.84	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.84	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.84	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.84	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.84	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.84	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.84	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.84	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.84	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.84	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.84	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.84	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.84	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.84	5	5
NAPHTHALENE	<5	ug/Kg	0.84	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.84	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.84	5	5
MTBE	<5	ug/Kg	0.84	5	5
ACETONE	19	ug/Kg	0.84	10	10
2-BUTANONE	J9	ug/Kg	0.84	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.84	10	10
2-HEXANONE	<10	ug/Kg	0.84	10	10
M+P-XYLENE	<5	ug/Kg	0.84	5	5
O-XYLENE	<5	ug/Kg	0.84	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.84	5	5
VINYL ACETATE	<5.0	ug/Kg	0.84	5.0	5.0
CARBON DISULFIDE	<5	ug/Kg	0.84	5	5
DIETHYL ETHER	<5	ug/Kg	0.84	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.84	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/Kg	0.84	5	5
DIBROMOFLUOROMETHANE	119	%	0.84		
1,2-DICHLOROETHANE-D4	126	%	0.84		

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-3
SDG: WQ1911
Report Date: 7/12/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 94
Method: SW8260
Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-6	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	118	%	0.84		
P-BROMOFLUOROBENZENE	102	%	0.84		

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-4
 SDG: WQ1911
 Report Date: 7/12/00
 PO No.: 06.29.00
 Project: 25863 0020 00000
 % Solids: 90
 Method: SW8260
 Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7A	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	B8	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
CHLOROFORM	<5	ug/Kg	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	1.0	5	5
BENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
TRICHLOROETHENE	<5	ug/Kg	1.0	5	5
DIBROMOMETHANE	<5	ug/Kg	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
TOLUENE	<5	ug/Kg	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
TETRACHLOROETHENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	1.0	5	5
CHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5
ETHYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOFORM	<5	ug/Kg	1.0	5	5
STYRENE	<5	ug/Kg	1.0	5	5

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-4
 SDG: WQ1911
 Report Date: 7/12/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 90
 Method: SW8260
 Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7A	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	1.0	5	5
ISOPROPYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOBENZENE	<5	ug/Kg	1.0	5	5
2-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
N-PROPYLBENZENE	<5	ug/Kg	1.0	5	5
4-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
N-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
NAPHTHALENE	<5	ug/Kg	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
MTBE	<5	ug/Kg	1.0	5	5
ACETONE	20	ug/Kg	1.0	10	10
2-BUTANONE	<10	ug/Kg	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	1.0	10	10
2-HEXANONE	<10	ug/Kg	1.0	10	10
M+P-XYLENE	<5	ug/Kg	1.0	5	5
O-XYLENE	<5	ug/Kg	1.0	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
VINYL ACETATE	<5.0	ug/Kg	1.0	5.0	5.0
CARBON DISULFIDE	<5	ug/Kg	1.0	5	5
DIETHYL ETHER	<5	ug/Kg	1.0	5	5
TETRAHYDROFURAN	<10	ug/Kg	1.0	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/Kg	1.0	5	5
DIBROMOFLUOROMETHANE	115	%	1.0		
1,2-DICHLOROETHANE-D4	121	%	1.0		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095
Proj. ID: MIDDLETOWN

Lab Number: WQ1911-4
SDG: WQ1911
Report Date: 7/12/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 90
Method: SW8260
Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7A	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	113	%	1.0		
P-BROMOFLUOROBENZENE	93	%	1.0		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095

 Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7
 SDG: WQ1911
 Report Date: 7/12/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 92
 Method: SW8260
 Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.88	5	5
CHLOROMETHANE	<5	ug/Kg	0.88	5	5
VINYL CHLORIDE	<10	ug/Kg	0.88	10	10
BROMOMETHANE	<5	ug/Kg	0.88	5	5
CHLOROETHANE	<5	ug/Kg	0.88	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.88	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.88	5	5
METHYLENE CHLORIDE	B8	ug/Kg	0.88	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.88	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.88	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.88	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.88	5	5
CHLOROFORM	<5	ug/Kg	0.88	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.88	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.88	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.88	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.88	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.88	5	5
BENZENE	<5	ug/Kg	0.88	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.88	5	5
TRICHLOROETHENE	<5	ug/Kg	0.88	5	5
DIBROMOMETHANE	<5	ug/Kg	0.88	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.88	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.88	5	5
TOLUENE	<5	ug/Kg	0.88	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.88	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.88	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.88	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.88	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.88	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.88	5	5
CHLOROBENZENE	<5	ug/Kg	0.88	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.88	5	5
ETHYLBENZENE	<5	ug/Kg	0.88	5	5
BROMOFORM	<5	ug/Kg	0.88	5	5
STYRENE	<5	ug/Kg	0.88	5	5

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7
 SDG: WQ1911
 Report Date: 7/12/00
 PO No.: 06.29.00
 Project: 25863 0020 00000
 % Solids: 92
 Method: SW8260
 Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.88	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.88	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.88	5	5
BROMOBENZENE	<5	ug/Kg	0.88	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.88	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.88	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.88	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.88	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.88	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.88	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.88	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.88	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.88	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.88	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.88	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.88	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.88	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.88	5	5
NAPHTHALENE	<5	ug/Kg	0.88	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.88	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.88	5	5
MTBE	<5	ug/Kg	0.88	5	5
ACETONE	23	ug/Kg	0.88	10	10
2-BUTANONE	12	ug/Kg	0.88	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.88	10	10
2-HEXANONE	<10	ug/Kg	0.88	10	10
M+P-XYLENE	<5	ug/Kg	0.88	5	5
O-XYLENE	<5	ug/Kg	0.88	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/Kg	0.88	5	5
VINYL ACETATE	<5.0	ug/Kg	0.88	5.0	5.0
CARBON DISULFIDE	<5	ug/Kg	0.88	5	5
DIETHYL ETHER	<5	ug/Kg	0.88	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.88	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/Kg	0.88	5	5
DIBROMOFLUOROMETHANE	116	%	0.88		
1,2-DICHLOROETHANE-D4	120	%	0.88		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095
Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7
SDG: WQ1911
Report Date: 7/12/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 92
Method: SW8260
Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-BA	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	110	%	0.88		
P-BROMOFLUOROBENZENE	86	%	0.88		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1
 SDG: WQ1719
 Report Date: 6/30/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 82
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<400	ug/Kg	1.2	400	330
BIS(2-CHLOROETHYL)ETHER	<400	ug/Kg	1.2	400	330
2-CHLOROPHENOL	<400	ug/Kg	1.2	400	330
1,3-DICHLOROBENZENE	<400	ug/Kg	1.2	400	330
1,4-DICHLOROBENZENE	<400	ug/Kg	1.2	400	330
1,2-DICHLOROBENZENE	<400	ug/Kg	1.2	400	330
2-METHYLPHENOL	<400	ug/Kg	1.2	400	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<400	ug/Kg	1.2	400	330
4-METHYLPHENOL	<400	ug/Kg	1.2	400	330
N-NITROSODI-N-PROPYLAMINE	<400	ug/Kg	1.2	400	330
HEXACHLOROETHANE	<400	ug/Kg	1.2	400	330
NITROBENZENE	<400	ug/Kg	1.2	400	330
ISOPHORONE	<400	ug/Kg	1.2	400	330
2-NITROPHENOL	<400	ug/Kg	1.2	400	330
2,4-DIMETHYLPHENOL	<400	ug/Kg	1.2	400	330
BIS(2-CHLOROETHOXY)METHANE	<400	ug/Kg	1.2	400	330
2,4-DICHLOROPHENOL	<400	ug/Kg	1.2	400	330
1,2,4-TRICHLOROBENZENE	<400	ug/Kg	1.2	400	330
NAPHTHALENE	2700	ug/Kg	1.2	400	330
4-CHLOROANILINE	<400	ug/Kg	1.2	400	330
HEXACHLOROBTADIENE	<400	ug/Kg	1.2	400	330
4-CHLORO-3-METHYLPHENOL	<400	ug/Kg	1.2	400	330
2-METHYLNAPHTHALENE	E14000	ug/Kg	1.2	400	330
HEXACHLOROCYCLOPENTADIEN	<400	ug/Kg	1.2	400	330
2,4,6-TRICHLOROPHENOL	<400	ug/Kg	1.2	400	330
2,4,5-TRICHLOROPHENOL	<980	ug/Kg	1.2	980	820
2-CHLORONAPHTHALENE	<400	ug/Kg	1.2	400	330
2-NITROANILINE	<980	ug/Kg	1.2	980	820
DIMETHYL PHTHALATE	<400	ug/Kg	1.2	400	330
ACENAPHTHYLENE	<400	ug/Kg	1.2	400	330
2,6-DINITROTOLUENE	<400	ug/Kg	1.2	400	330
3-NITROANILINE	<980	ug/Kg	1.2	980	820
ACENAPHTHENE	830	ug/Kg	1.2	400	330

Report Notes: E



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1
 SDG: WQ1719
 Report Date: 6/30/00
 PO No.: 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 82
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
2,4-DINITROPHENOL	<980	ug/Kg	1.2	980	820
4-NITROPHENOL	<980	ug/Kg	1.2	980	820
DIBENZOFURAN	1200	ug/Kg	1.2	400	330
2,4-DINITROTOLUENE	<400	ug/Kg	1.2	400	330
DIETHYLPHTHALATE	<400	ug/Kg	1.2	400	330
4-CHLOROPHENYL-PHENYLETHE	<400	ug/Kg	1.2	400	330
FLUORENE	1500	ug/Kg	1.2	400	330
4-NITROANILINE	<980	ug/Kg	1.2	980	820
4,6-DINITRO-2-METHYLPHENOL	<980	ug/Kg	1.2	980	820
N-NITROSODIPHENYLAMINE	<400	ug/Kg	1.2	400	330
4-BROMOPHENYL-PHENYLETHER	<400	ug/Kg	1.2	400	330
HEXACHLOROBENZENE	<400	ug/Kg	1.2	400	330
PENTACHLOROPHENOL	<980	ug/Kg	1.2	980	820
PHENANTHRENE	3600	ug/Kg	1.2	400	330
ANTHRACENE	<400	ug/Kg	1.2	400	330
CARBAZOLE	<400	ug/Kg	1.2	400	330
DI-N-BUTYLPHTHALATE	<400	ug/Kg	1.2	400	330
FLUORANTHENE	<400	ug/Kg	1.2	400	330
PYRENE	<400	ug/Kg	1.2	400	330
BUTYLBENZYLPHTHALATE	<400	ug/Kg	1.2	400	330
3,3'-DICHLORO BENZIDINE	<400	ug/Kg	1.2	400	330
BENZO[A]ANTHRACENE	<400	ug/Kg	1.2	400	330
CHRYSENE	<400	ug/Kg	1.2	400	330
BIS(2-ETHYLHEXYL)PHTHALATE	<400	ug/Kg	1.2	400	330
DI-N-OCTYLPHTHALATE	<400	ug/Kg	1.2	400	330
BENZO[B]FLUORANTHENE	<400	ug/Kg	1.2	400	330
BENZO[K]FLUORANTHENE	<400	ug/Kg	1.2	400	330
BENZO[A]PYRENE	<400	ug/Kg	1.2	400	330
INDENO[1,2,3-CD]PYRENE	<400	ug/Kg	1.2	400	330
DIBENZO[A,H]ANTHRACENE	<400	ug/Kg	1.2	400	330
BENZO[G,H,I]PERYLENE	<400	ug/Kg	1.2	400	330
2-FLUOROPHENOL	75	%	1.2		
PHENOL-D6	78	%	1.2		

Report Notes: E



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombella
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 82
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	89	%	1.2		
2-FLUOROBIPHENYL	78	%	1.2		
2,4,6-TRIBROMOPHENOL	68	%	1.2		
TERPHENYL-D14	88	%	1.2		

Report Notes: E



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombella
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1DL
 SDG: WQ1719
 Report Date: 6/30/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 82
 Method: EPA 8270B
 Date Analyzed: 6/28/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<1600	ug/Kg	4.9	1600	330
BIS(2-CHLOROETHYL)ETHER	<1600	ug/Kg	4.9	1600	330
2-CHLOROPHENOL	<1600	ug/Kg	4.9	1600	330
1,3-DICHLOROBENZENE	<1600	ug/Kg	4.9	1600	330
1,4-DICHLOROBENZENE	<1600	ug/Kg	4.9	1600	330
1,2-DICHLOROBENZENE	<1600	ug/Kg	4.9	1600	330
2-METHYLPHENOL	<1600	ug/Kg	4.9	1600	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<1600	ug/Kg	4.9	1600	330
4-METHYLPHENOL	<1600	ug/Kg	4.9	1600	330
N-NITROSODI-N-PROPYLAMINE	<1600	ug/Kg	4.9	1600	330
HEXACHLOROETHANE	<1600	ug/Kg	4.9	1600	330
NITROBENZENE	<1600	ug/Kg	4.9	1600	330
ISOPHORONE	<1600	ug/Kg	4.9	1600	330
2-NITROPHENOL	<1600	ug/Kg	4.9	1600	330
2,4-DIMETHYLPHENOL	<1600	ug/Kg	4.9	1600	330
BIS(2-CHLOROETHOXY)METHANE	<1600	ug/Kg	4.9	1600	330
2,4-DICHLOROPHENOL	<1600	ug/Kg	4.9	1600	330
1,2,4-TRICHLOROBENZENE	<1600	ug/Kg	4.9	1600	330
NAPHTHALENE	2600	ug/Kg	4.9	1600	330
4-CHLOROANILINE	<1600	ug/Kg	4.9	1600	330
HEXACHLOROBUTADIENE	<1600	ug/Kg	4.9	1600	330
4-CHLORO-3-METHYLPHENOL	<1600	ug/Kg	4.9	1600	330
2-METHYLNAPHTHALENE	14000	ug/Kg	4.9	1600	330
HEXACHLOROCYCLOPENTADIEN	<1600	ug/Kg	4.9	1600	330
2,4,6-TRICHLOROPHENOL	<1600	ug/Kg	4.9	1600	330
2,4,5-TRICHLOROPHENOL	<4000	ug/Kg	4.9	4000	820
2-CHLORONAPHTHALENE	<1600	ug/Kg	4.9	1600	330
2-NITROANILINE	<4000	ug/Kg	4.9	4000	820
DIMETHYL PHTHALATE	<1600	ug/Kg	4.9	1600	330
ACENAPHTHYLENE	<1600	ug/Kg	4.9	1600	330
2,6-DINITROTOLUENE	<1600	ug/Kg	4.9	1600	330
3-NITROANILINE	<4000	ug/Kg	4.9	4000	820
ACENAPHTHENE	<1600	ug/Kg	4.9	1600	330

Report Notes: J, O-2



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombella
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1DL
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 82
Method: EPA 8270B
Date Analyzed: 6/28/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
2,4-DINITROPHENOL	<4000	ug/Kg	4.9	4000	820
4-NITROPHENOL	<4000	ug/Kg	4.9	4000	820
DIBENZOFURAN	J1000	ug/Kg	4.9	1600	330
2,4-DINITROTOLUENE	<1600	ug/Kg	4.9	1600	330
DIETHYLPHTHALATE	<1600	ug/Kg	4.9	1600	330
4-CHLOROPHENYL-PHENYLETHE	<1600	ug/Kg	4.9	1600	330
FLUORENE	J1300	ug/Kg	4.9	1600	330
4-NITROANILINE	<4000	ug/Kg	4.9	4000	820
4,6-DINITRO-2-METHYLPHENOL	<4000	ug/Kg	4.9	4000	820
N-NITROSODIPHENYLAMINE	<1600	ug/Kg	4.9	1600	330
4-BROMOPHENYL-PHENYLEETHER	<1600	ug/Kg	4.9	1600	330
HEXACHLOROBENZENE	<1600	ug/Kg	4.9	1600	330
PENTACHLOROPHENOL	<4000	ug/Kg	4.9	4000	820
PHENANTHRENE	3300	ug/Kg	4.9	1600	330
ANTHRACENE	<1600	ug/Kg	4.9	1600	330
CARBAZOLE	<1600	ug/Kg	4.9	1600	330
DI-N-BUTYLPHTHALATE	<1600	ug/Kg	4.9	1600	330
FLUORANTHENE	<1600	ug/Kg	4.9	1600	330
PYRENE	<1600	ug/Kg	4.9	1600	330
BUTYLBENZYLPHTHALATE	<1600	ug/Kg	4.9	1600	330
3,3'-DICHLORO BENZIDINE	<1600	ug/Kg	4.9	1600	330
BENZO[A]ANTHRACENE	<1600	ug/Kg	4.9	1600	330
CHRYSENE	<1600	ug/Kg	4.9	1600	330
BIS(2-ETHYLHEXYL)PHTHALATE	<1600	ug/Kg	4.9	1600	330
DI-N-OCTYLPHTHALATE	<1600	ug/Kg	4.9	1600	330
BENZO[B]FLUORANTHENE	<1600	ug/Kg	4.9	1600	330
BENZO[K]FLUORANTHENE	<1600	ug/Kg	4.9	1600	330
BENZO[A]PYRENE	<1600	ug/Kg	4.9	1600	330
INDENO[1,2,3-CD]PYRENE	<1600	ug/Kg	4.9	1600	330
DIBENZ[A,H]ANTHRACENE	<1600	ug/Kg	4.9	1600	330
BENZO[G,H,I]PERYLENE	<1600	ug/Kg	4.9	1600	330
2-FLUOROPHENOL	64	%	4.9		
PHENOL-D6	65	%	4.9		

Report Notes: J, O-2



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095
Proj. ID: MIDDLETOWN

Lab Number: WQ1719-1DL
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 82
Method: EPA 8270B
Date Analyzed: 6/28/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	62	%	4.9		
2-FLUOROBIPHENYL	74	%	4.9		
2,4,6-TRIBROMOPHENOL	62	%	4.9		
TERPHENYL-D14	74	%	4.9		

Report Notes: J, O-2



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-2
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 87
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-2
 SDG: WQ1719
 Report Date: 6/30/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 87
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLEETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO(A)ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO(B)FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO(K)FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO(A)PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ(A,H)ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO(G,H,I)PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	82	%	1.1		
PHENOL-D6	85	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-2
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 87
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	73	%	1.1		
2-FLUOROBIPHENYL	74	%	1.1		
2,4,6-TRIBROMOPHENOL	82	%	1.1		
TERPHENYL-D14	94	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-3
 SDG: WQ1719
 Report Date: 6/30/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 91
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3A	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1719-3
 SDG: WQ1719
 Report Date: 6/30/00
 PO No.: 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 91
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3A	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYL.BENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	76	%	1.1		
PHENOL-D6	78	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095
Proj. ID: MIDDLETOWN

Lab Number: WQ1719-3
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 91
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3A	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	72	%	1.1		
2-FLUOROBIPHENYL	77	%	1.1		
2,4,6-TRIBROMOPHENOL	81	%	1.1		
TERPHENYL-D14	92	%	1.1		

Report Notes:



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095
Proj. ID: MIDDLETOWN

Lab Number: WQ1719-4
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 92
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3B	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-4
 SDG: WQ1719
 Report Date: 6/30/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 92
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3B	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	74	%	1.1		
PHENOL-D6	73	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095
Proj. ID: MIDDLETOWN

Lab Number: WQ1719-4
SDG: WQ1719
Report Date: 6/30/00
PO No.: 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 92
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-3B	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	71	%	1.1		
2-FLUOROBIPHENYL	75	%	1.1		
2,4,6-TRIBROMOPHENOL	71	%	1.1		
TERPHENYL-D14	92	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-3
 SDG: WQ1754
 Report Date: 6/30/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 88
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-4	SL	6/14/00	6/16/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-3
 SDG: WQ1754
 Report Date: 6/30/00
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 88
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-4	SL	6/14/00	6/16/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	77	%	1.1		
PHENOL-D6	77	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-3
SDG: WQ1754
Report Date: 6/30/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 88
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-4	SL	6/14/00	6/16/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	73	%	1.1		
2-FLUOROBIPHENYL	75	%	1.1		
2,4,6-TRIBROMOPHENOL	74	%	1.1		
TERPHENYL-D14	90	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-5
 SDG: WQ1719
 Report Date: 6/30/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 87
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<400	ug/Kg	1.2	400	330
BIS(2-CHLOROETHYL)ETHER	<400	ug/Kg	1.2	400	330
2-CHLOROPHENOL	<400	ug/Kg	1.2	400	330
1,3-DICHLOROBENZENE	<400	ug/Kg	1.2	400	330
1,4-DICHLOROBENZENE	<400	ug/Kg	1.2	400	330
1,2-DICHLOROBENZENE	<400	ug/Kg	1.2	400	330
2-METHYLPHENOL	<400	ug/Kg	1.2	400	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<400	ug/Kg	1.2	400	330
4-METHYLPHENOL	<400	ug/Kg	1.2	400	330
N-NITROSODI-N-PROPYLAMINE	<400	ug/Kg	1.2	400	330
HEXACHLOROETHANE	<400	ug/Kg	1.2	400	330
NITROBENZENE	<400	ug/Kg	1.2	400	330
ISOPHORONE	<400	ug/Kg	1.2	400	330
2-NITROPHENOL	<400	ug/Kg	1.2	400	330
2,4-DIMETHYLPHENOL	<400	ug/Kg	1.2	400	330
BIS(2-CHLOROETHOXY)METHANE	<400	ug/Kg	1.2	400	330
2,4-DICHLOROPHENOL	<400	ug/Kg	1.2	400	330
1,2,4-TRICHLOROBENZENE	<400	ug/Kg	1.2	400	330
NAPHTHALENE	<400	ug/Kg	1.2	400	330
4-CHLOROANILINE	<400	ug/Kg	1.2	400	330
HEXACHLOROBUTADIENE	<400	ug/Kg	1.2	400	330
4-CHLORO-3-METHYLPHENOL	<400	ug/Kg	1.2	400	330
2-METHYLNAPHTHALENE	<400	ug/Kg	1.2	400	330
HEXACHLOROCYCLOPENTADIEN	<400	ug/Kg	1.2	400	330
2,4,6-TRICHLOROPHENOL	<400	ug/Kg	1.2	400	330
2,4,5-TRICHLOROPHENOL	<980	ug/Kg	1.2	980	820
2-CHLORONAPHTHALENE	<400	ug/Kg	1.2	400	330
2-NITROANILINE	<980	ug/Kg	1.2	980	820
DIMETHYL PHTHALATE	<400	ug/Kg	1.2	400	330
ACENAPHTHYLENE	<400	ug/Kg	1.2	400	330
2,6-DINITROTOLUENE	<400	ug/Kg	1.2	400	330
3-NITROANILINE	<980	ug/Kg	1.2	980	820
ACENAPHTHENE	<400	ug/Kg	1.2	400	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1719-5
 SDG: WQ1719
 Report Date: 6/30/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 87
 Method: EPA 8270B
 Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<980	ug/Kg	1.2	980	820
4-NITROPHENOL	<980	ug/Kg	1.2	980	820
DIBENZOFURAN	<400	ug/Kg	1.2	400	330
2,4-DINITROTOLUENE	<400	ug/Kg	1.2	400	330
DIETHYLPHTHALATE	<400	ug/Kg	1.2	400	330
4-CHLOROPHENYL-PHENYLETHE	<400	ug/Kg	1.2	400	330
FLUORENE	<400	ug/Kg	1.2	400	330
4-NITROANILINE	<980	ug/Kg	1.2	980	820
4,6-DINITRO-2-METHYLPHENOL	<980	ug/Kg	1.2	980	820
N-NITROSODIPHENYLAMINE	<400	ug/Kg	1.2	400	330
4-BROMOPHENYL-PHENYLETHER	<400	ug/Kg	1.2	400	330
HEXACHLOROBENZENE	<400	ug/Kg	1.2	400	330
PENTACHLOROPHENOL	<980	ug/Kg	1.2	980	820
PHENANTHRENE	<400	ug/Kg	1.2	400	330
ANTHRACENE	<400	ug/Kg	1.2	400	330
CARBAZOLE	<400	ug/Kg	1.2	400	330
DI-N-BUTYLPHTHALATE	<400	ug/Kg	1.2	400	330
FLUORANTHENE	<400	ug/Kg	1.2	400	330
PYRENE	<400	ug/Kg	1.2	400	330
BUTYLBENZYLPHTHALATE	<400	ug/Kg	1.2	400	330
3,3'-DICHLOROBENZIDINE	<400	ug/Kg	1.2	400	330
BENZO{A}ANTHRACENE	<400	ug/Kg	1.2	400	330
CHRYSENE	<400	ug/Kg	1.2	400	330
BIS(2-ETHYLHEXYL)PHTHALATE	<400	ug/Kg	1.2	400	330
DI-N-OCTYLPHTHALATE	<400	ug/Kg	1.2	400	330
BENZO{B}FLUORANTHENE	<400	ug/Kg	1.2	400	330
BENZO{K}FLUORANTHENE	<400	ug/Kg	1.2	400	330
BENZO{A}PYRENE	<400	ug/Kg	1.2	400	330
INDENO{1,2,3-CD}PYRENE	<400	ug/Kg	1.2	400	330
DIBENZ{A,H}ANTHRACENE	<400	ug/Kg	1.2	400	330
BENZO{G,H,I}PERYLENE	<400	ug/Kg	1.2	400	330
2-FLUOROPHENOL	69	%	1.2		
PHENOL-D6	71	%	1.2		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-5
SDG: WQ1719
Report Date: 6/30/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 87
Method: EPA 8270B
Date Analyzed: 6/27/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	SL	6/13/00	6/14/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	65	%	1.2		
2-FLUOROBIPHENYL	69	%	1.2		
2,4,6-TRIBROMOPHENOL	68	%	1.2		
TERPHENYL-D14	79	%	1.2		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-3
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 94
 Method: EPA 8270B
 Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-6	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-3
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 94
Method: EPA 8270B
Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-6	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	63	%	1.1		
PHENOL-D6	66	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-3
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 94
Method: EPA 8270B
Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-6	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	64	%	1.1		
2-FLUOROBIPHENYL	63	%	1.1		
2,4,6-TRIBROMOPHENOL	69	%	1.1		
TERPHENYL-D14	78	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-4
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 90
 Method: EPA 8270B
 Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-4
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 90
 Method: EPA 8270B
 Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	66	%	1.1		
PHENOL-D6	67	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-4
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 90
Method: EPA 8270B
Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	69	%	1.1		
2-FLUOROBIPHENYL	68	%	1.1		
2,4,6-TRIBROMOPHENOL	74	%	1.1		
TERPHENYL-D14	75	%	1.1		

Report Notes:



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-5
SDG: WQ1911
Report Date: 7/18/00
PO No.: 06.29.00
Project: 25863 0020 00000
% Solids: 94
Method: EPA 8270B
Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7B	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-5
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 94
 Method: EPA 8270B
 Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7B	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLEETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROENZIDINE	<360	ug/Kg	1.1	360	330
BENZO(A)ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO(B)FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO(K)FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO(A)PYRENE	<360	ug/Kg	1.1	360	330
INDENO(1,2,3-CD)PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ(A,H)ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO(G,H,I)PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	60	%	1.1		
PHENOL-D6	62	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-5
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 94
Method: EPA 8270B
Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7B	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	62	%	1.1		
2-FLUOROBIPHENYL	61	%	1.1		
2,4,6-TRIBROMOPHENOL	62	%	1.1		
TERPHENYL-D14	68	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-6
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 93
 Method: EPA 8270B
 Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7C	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSODI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBUTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-6
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 93
 Method: EPA 8270B
 Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7C	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYLPHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYLPHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	<360	ug/Kg	1.1	360	330
DI-N-OCTYLPHTHALATE	<360	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	66	%	1.1		
PHENOL-D6	68	%	1.1		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombella
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-6
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 93
Method: EPA 8270B
Date Analyzed: 7/8/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-7C	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	68	%	1.1		
2-FLUOROBIPHENYL	64	%	1.1		
2,4,6-TRIBROMOPHENOL	70	%	1.1		
TERPHENYL-D14	68	%	1.1		

Report Notes:



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 92
Method: EPA 8270B
Date Analyzed: 7/14/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHYL)ETHER	<360	ug/Kg	1.1	360	330
2-CHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,3-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,4-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
1,2-DICHLOROBENZENE	<360	ug/Kg	1.1	360	330
2-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<360	ug/Kg	1.1	360	330
4-METHYLPHENOL	<360	ug/Kg	1.1	360	330
N-NITROSO-DI-N-PROPYLAMINE	<360	ug/Kg	1.1	360	330
HEXACHLOROETHANE	<360	ug/Kg	1.1	360	330
NITROBENZENE	<360	ug/Kg	1.1	360	330
ISOPHORONE	<360	ug/Kg	1.1	360	330
2-NITROPHENOL	<360	ug/Kg	1.1	360	330
2,4-DIMETHYLPHENOL	<360	ug/Kg	1.1	360	330
BIS(2-CHLOROETHOXY)METHANE	<360	ug/Kg	1.1	360	330
2,4-DICHLOROPHENOL	<360	ug/Kg	1.1	360	330
1,2,4-TRICHLOROBENZENE	<360	ug/Kg	1.1	360	330
NAPHTHALENE	<360	ug/Kg	1.1	360	330
4-CHLOROANILINE	<360	ug/Kg	1.1	360	330
HEXACHLOROBTADIENE	<360	ug/Kg	1.1	360	330
4-CHLORO-3-METHYLPHENOL	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
HEXACHLOROCYCLOPENTADIEN	<360	ug/Kg	1.1	360	330
2,4,6-TRICHLOROPHENOL	<360	ug/Kg	1.1	360	330
2,4,5-TRICHLOROPHENOL	<900	ug/Kg	1.1	900	820
2-CHLORONAPHTHALENE	<360	ug/Kg	1.1	360	330
2-NITROANILINE	<900	ug/Kg	1.1	900	820
DIMETHYL PHTHALATE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
2,6-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
3-NITROANILINE	<900	ug/Kg	1.1	900	820
ACENAPHTHENE	<360	ug/Kg	1.1	360	330

Report Notes: E



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 92
 Method: EPA 8270B
 Date Analyzed: 7/14/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample	
				PQL	PQL
2,4-DINITROPHENOL	<900	ug/Kg	1.1	900	820
4-NITROPHENOL	<900	ug/Kg	1.1	900	820
DIBENZOFURAN	<360	ug/Kg	1.1	360	330
2,4-DINITROTOLUENE	<360	ug/Kg	1.1	360	330
DIETHYLPHTHALATE	<360	ug/Kg	1.1	360	330
4-CHLOROPHENYL-PHENYLETHE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
4-NITROANILINE	<900	ug/Kg	1.1	900	820
4,6-DINITRO-2-METHYLPHENOL	<900	ug/Kg	1.1	900	820
N-NITROSODIPHENYLAMINE	<360	ug/Kg	1.1	360	330
4-BROMOPHENYL-PHENYLEETHER	<360	ug/Kg	1.1	360	330
HEXACHLOROBENZENE	<360	ug/Kg	1.1	360	330
PENTACHLOROPHENOL	<900	ug/Kg	1.1	900	820
PHENANTHRENE	<360	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
CARBAZOLE	<360	ug/Kg	1.1	360	330
DI-N-BUTYL.PHTHALATE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	<360	ug/Kg	1.1	360	330
PYRENE	<360	ug/Kg	1.1	360	330
BUTYLBENZYL.PHTHALATE	<360	ug/Kg	1.1	360	330
3,3'-DICHLOROBENZIDINE	<360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	<360	ug/Kg	1.1	360	330
CHRYSENE	<360	ug/Kg	1.1	360	330
BIS(2-ETHYLHEXYL)PHTHALATE	E12000	ug/Kg	1.1	360	330
DI-N-OCTYL.PHTHALATE	<360	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	<360	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	<360	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	<360	ug/Kg	1.1	360	330
2-FLUOROPHENOL	55	%	1.1		
PHENOL-D6	52	%	1.1		

Report Notes: E



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 92
Method: EPA 8270B
Date Analyzed: 7/14/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	62	%	1.1		
2-FLUOROBIPHENYL	58	%	1.1		
2,4,6-TRIBROMOPHENOL	69	%	1.1		
TERPHENYL-D14	73	%	1.1		

Report Notes: E



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7DL
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 92
 Method: EPA 8270B
 Date Analyzed: 7/15/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<1400	ug/Kg	4.4	1400	330
BIS(2-CHLOROETHYL)ETHER	<1400	ug/Kg	4.4	1400	330
2-CHLOROPHENOL	<1400	ug/Kg	4.4	1400	330
1,3-DICHLOROBENZENE	<1400	ug/Kg	4.4	1400	330
1,4-DICHLOROBENZENE	<1400	ug/Kg	4.4	1400	330
1,2-DICHLOROBENZENE	<1400	ug/Kg	4.4	1400	330
2-METHYLPHENOL	<1400	ug/Kg	4.4	1400	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<1400	ug/Kg	4.4	1400	330
4-METHYLPHENOL	<1400	ug/Kg	4.4	1400	330
N-NITROSO-DI-N-PROPYLAMINE	<1400	ug/Kg	4.4	1400	330
HEXACHLOROETHANE	<1400	ug/Kg	4.4	1400	330
NITROBENZENE	<1400	ug/Kg	4.4	1400	330
ISOPHORONE	<1400	ug/Kg	4.4	1400	330
2-NITROPHENOL	<1400	ug/Kg	4.4	1400	330
2,4-DIMETHYLPHENOL	<1400	ug/Kg	4.4	1400	330
BIS(2-CHLOROETHOXY)METHANE	<1400	ug/Kg	4.4	1400	330
2,4-DICHLOROPHENOL	<1400	ug/Kg	4.4	1400	330
1,2,4-TRICHLOROBENZENE	<1400	ug/Kg	4.4	1400	330
NAPHTHALENE	<1400	ug/Kg	4.4	1400	330
4-CHLOROANILINE	<1400	ug/Kg	4.4	1400	330
HEXACHLOROBUTADIENE	<1400	ug/Kg	4.4	1400	330
4-CHLORO-3-METHYLPHENOL	<1400	ug/Kg	4.4	1400	330
2-METHYLNAPHTHALENE	<1400	ug/Kg	4.4	1400	330
HEXACHLOROCYCLOPENTADIEN	<1400	ug/Kg	4.4	1400	330
2,4,6-TRICHLOROPHENOL	<1400	ug/Kg	4.4	1400	330
2,4,5-TRICHLOROPHENOL	<3600	ug/Kg	4.4	3600	820
2-CHLORONAPHTHALENE	<1400	ug/Kg	4.4	1400	330
2-NITROANILINE	<3600	ug/Kg	4.4	3600	820
DIMETHYL PHTHALATE	<1400	ug/Kg	4.4	1400	330
ACENAPHTHYLENE	<1400	ug/Kg	4.4	1400	330
2,6-DINITROTOLUENE	<1400	ug/Kg	4.4	1400	330
3-NITROANILINE	<3600	ug/Kg	4.4	3600	820
ACENAPHTHENE	<1400	ug/Kg	4.4	1400	330

Report Notes: DL, O-2



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7DL
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 92
Method: EPA 8270B
Date Analyzed: 7/15/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
2,4-DINITROPHENOL	<3600	ug/Kg	4.4	3600	820
4-NITROPHENOL	<3600	ug/Kg	4.4	3600	820
DIBENZOFURAN	<1400	ug/Kg	4.4	1400	330
2,4-DINITROTOLUENE	<1400	ug/Kg	4.4	1400	330
DIETHYLPHTHALATE	<1400	ug/Kg	4.4	1400	330
4-CHLOROPHENYL-PHENYLETHE	<1400	ug/Kg	4.4	1400	330
FLUORENE	<1400	ug/Kg	4.4	1400	330
4-NITROANILINE	<3600	ug/Kg	4.4	3600	820
4,6-DINITRO-2-METHYLPHENOL	<3600	ug/Kg	4.4	3600	820
N-NITROSODIPHENYLAMINE	<1400	ug/Kg	4.4	1400	330
4-BROMOPHENYL-PHENYLEETHER	<1400	ug/Kg	4.4	1400	330
HEXACHLOROBENZENE	<1400	ug/Kg	4.4	1400	330
PENTACHLOROPHENOL	<3600	ug/Kg	4.4	3600	820
PHENANTHRENE	<1400	ug/Kg	4.4	1400	330
ANTHRACENE	<1400	ug/Kg	4.4	1400	330
CARBAZOLE	<1400	ug/Kg	4.4	1400	330
DI-N-BUTYLPHTHALATE	<1400	ug/Kg	4.4	1400	330
FLUORANTHENE	<1400	ug/Kg	4.4	1400	330
PYRENE	<1400	ug/Kg	4.4	1400	330
BUTYLBENZYLPHTHALATE	<1400	ug/Kg	4.4	1400	330
3,3'-DICHLOROBENZIDINE	<1400	ug/Kg	4.4	1400	330
BENZO[A]ANTHRACENE	<1400	ug/Kg	4.4	1400	330
CHRYSENE	<1400	ug/Kg	4.4	1400	330
BIS(2-ETHYLHEXYL)PHTHALATE	14000	ug/Kg	4.4	1400	330
DI-N-OCTYLPHTHALATE	<1400	ug/Kg	4.4	1400	330
BENZO[B]FLUORANTHENE	<1400	ug/Kg	4.4	1400	330
BENZO[K]FLUORANTHENE	<1400	ug/Kg	4.4	1400	330
BENZO[A]PYRENE	<1400	ug/Kg	4.4	1400	330
INDENO(1,2,3-CD)PYRENE	<1400	ug/Kg	4.4	1400	330
DIBENZ[A,H]ANTHRACENE	<1400	ug/Kg	4.4	1400	330
BENZO[G,H,I]PERYLENE	<1400	ug/Kg	4.4	1400	330
2-FLUOROPHENOL	DL	%	4.4		
PHENOL-D6	DL	%	4.4		

Report Notes: DL, O-2



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-7DL
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 92
Method: EPA 8270B
Date Analyzed: 7/15/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-8A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	DL	%	4.4		
2-FLUOROBIPHENYL	DL	%	4.4		
2,4,6-TRIBROMOPHENOL	DL	%	4.4		
TERPHENYL-D14	DL	%	4.4		

Report Notes: DL, O-2



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-4
 SDG: WQ1911
 Report Date: 07/12/2000
 PO No.: 06.29.00
 Project: 25863 0020 00000
 Percent Solids: 90 %
 Analytical Method: SW846 8082

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-7A	Solid	06/27/2000	06/29/2000	07/06/2000	LRS	SW846	3540	

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
PCB-1016		< 19	ug/Kg	1.1	19	17	07/11/2000	JCG
PCB-1221		< 19	ug/Kg	1.1	19	17	07/11/2000	JCG
PCB-1232		< 19	ug/Kg	1.1	19	17	07/11/2000	JCG
PCB-1242		< 19	ug/Kg	1.1	19	17	07/11/2000	JCG
PCB-1248		< 19	ug/Kg	1.1	19	17	07/11/2000	JCG
PCB-1254		< 19	ug/Kg	1.1	19	17	07/11/2000	JCG
PCB-1260	C	63	ug/Kg	1.1	19	17	07/11/2000	JCG
2,4,5,6-Tetrachloro-meta-xylene		83	%	1.1			07/11/2000	JCG
Decachlorobiphenyl		83	%	1.1			07/11/2000	JCG

Report Notes:

'C' flag denotes that the identification of the analyte was confirmed by analysis on dissimilar columns.



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-7
 SDG: WQ1911
 Report Date: 07/12/2000
 PO No.: 06.29.00
 Project: 25863 0020 00000
 Percent Solids: 92 %
 Analytical Method: SW846 8082

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method
B-8A	Solid	06/27/2000	06/29/2000	07/06/2000	LRS	SW846 3540

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
PCB-1016		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1221		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1232		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1242		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1248		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1254		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1260	C	61	ug/Kg	1.1	18	17	07/11/2000	JCG
2,4,5,6-Tetrachloro-meta-xylene		84	%	1.1			07/11/2000	JCG
Decachlorobiphenyl		87	%	1.1			07/11/2000	JCG

Report Notes:

'C' flag denotes that the identification of the analyte was confirmed by analysis on dissimilar columns.



Katahdin Analytical Services, Inc.
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-5
 SDG: WQ1911
 Report Date: 07/12/2000
 PO No.: 06.29.00
 Project: 25863 0020 00000
 Percent Solids: 94 %
 Analytical Method: SW846 8082

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-7B	Solid	06/27/2000	06/29/2000	07/06/2000	LRS	SW846 3540		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
PCB-1016		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1221		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1232		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1242		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1248		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1254		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1260	C	180	ug/Kg	1.1	18	17	07/11/2000	JCG
2,4,5,6-Tetrachloro-meta-xylene		77	%	1.1			07/11/2000	JCG
Decachlorobiphenyl		81	%	1.1			07/11/2000	JCG

Report Notes:

'C' flag denotes that the identification of the analyte was confirmed by analysis on dissimilar columns.



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-6
 SDG: WQ1911
 Report Date: 07/12/2000
 PO No.: 06.29.00
 Project: 25863 0020 00000
 Percent Solids: 93 %
 Analytical Method: SW846 8082

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-7C	Solid	06/27/2000	06/29/2000	07/06/2000	LRS	SW846 3540		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
PCB-1016		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1221		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1232		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1242		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1248		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1254		< 18	ug/Kg	1.1	18	17	07/11/2000	JCG
PCB-1260	C	88	ug/Kg	1.1	18	17	07/11/2000	JCG
2,4,5,6-Tetrachloro-meta-xylene		84	%	1.1			07/11/2000	JCG
Decachlorobiphenyl		87	%	1.1			07/11/2000	JCG

Report Notes:

'C' flag denotes that the identification of the analyte was confirmed by analysis on dissimilar columns.

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-1

Matrix: WATER

SDG Name: WQ1719

Percent Solids: 0.00

Lab Sample ID: WQ1719-001V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.5	B		P	1
7440-39-3	BARIUM	568			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	11.2	B		P	1
7439-92-1	LEAD	9.2			P	1
7439-97-6	MERCURY	0.06	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-2

Matrix: WATER

SDG Name: WQ1719

Percent Solids: 0.00

Lab Sample ID: WQ1719-002V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.4	B		P	1
7440-39-3	BARIUM	454			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	1.9	B		P	1
7439-92-1	LEAD	6.8			P	1
7439-97-6	MERCURY	0.06	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-3A

Matrix: WATER

SDG Name: WQ1719

Percent Solids: 0.00

Lab Sample ID: WQ1719-003V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	1.98	U		P	1
7440-39-3	BARIUM	436			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	1.2	B		P	1
7439-92-1	LEAD	3.2	B		P	1
7439-97-6	MERCURY	0.04	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-4

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-003V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	1.98	U		P	1
7440-39-3	BARIUM	415			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	1.7	B		P	1
7439-92-1	LEAD	12.4			P	1
7439-97-6	MERCURY	0.03	B	N	CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORM I - IN

Sample Data Summary 0000032

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-5

Matrix: WATER

SDG Name: WQ1719

Percent Solids: 0.00

Lab Sample ID: WQ1719-005V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	1.98	U		P	1
7440-39-3	BARIUM	359			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	U		P	1
7439-92-1	LEAD	2.1	B		P	1
7439-97-6	MERCURY	0.04	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORMI-IN

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-6

Matrix: WATER

SDG Name: WQ1911

Percent Solids: 0.00

Lab Sample ID: WQ1911-003V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	1.98	U		P	1
7440-39-3	BARIUM	383			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	2.9	B		P	1
7439-92-1	LEAD	1.48	U		P	1
7439-97-6	MERCURY	0.02	U		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORM I - IN

Sample Data Summary 0000041

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-7A

Matrix: WATER

SDG Name: WQ1911

Percent Solids: 0.00

Lab Sample ID: WQ1911-004V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	4.95	U		P	1
7440-39-3	BARIUM	221			P	1
7440-43-9	CADMIUM	0.75	U		P	1
7440-47-3	CHROMIUM	3.3	B		P	1
7439-92-1	LEAD	3.9	B		P	1
7439-97-6	MERCURY	0.02	B		CV	1
7782-49-2	SELENIUM	7.45	U		P	1
7440-22-4	SILVER	2.60	U		P	1

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-8A

Matrix: WATER

SDG Name: WQ1911

Percent Solids: 0.00

Lab Sample ID: WQ1911-007V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.2	B		P	1
7440-39-3	BARIUM	308			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	2.6	B		P	1
7439-92-1	LEAD	1.7	B		P	1
7439-97-6	MERCURY	0.02	U		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.2	B		P	1

Comments:

FORM I - IN

GROUND WATER ANALYTICAL DATA



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing
Windsor, CT 06095

Lab Sample ID: WQ2268-5
SDG: WQ2268
Report Date: 08/16/2000
PO No.: 07.29.00
Project: MIDDLETOWN BROWNFIELDS
Percent Solids: N/A
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
MW-7	Aqueous	07/28/2000	07/29/2000	08/03/2000	LRS	SW846 3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		680	ug/L	1.0	50	50	08/15/2000	JCK
o-Terphenyl		97	%	1.0			08/15/2000	JCK



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095

Lab Sample ID: WQ2268-6
 SDG: WQ2268
 Report Date: 08/16/2000
 PO No.: 07.29.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: N/A
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date	Date	Date	Prep			
		Sampled	Received	Prepped	Chemist	Preparative Method		
MW-8	Aqueous	07/28/2000	07/29/2000	08/03/2000	LRS	SW846 3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		670	ug/L	1.0	50	50	08/15/2000	JCK
o-Terphenyl		96	%	1.0			08/15/2000	JCK



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-3
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-2	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-3
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-2	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	11	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	12	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	6	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	J3	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes: J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-3
SDG: WQ2268
Report Date: 8/14/00
PO No. : 07.29.00
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-2	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	120	%	1.0		
1,2-DICHLOROETHANE-D4	121	%	1.0		
TOLUENE-D8	112	%	1.0		
P-BROMOFLUOROBENZENE	115	%	1.0		

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-1
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-4	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-1
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-4	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-1
SDG: WQ2268
Report Date: 8/14/00
PO No. : 07.29.00
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-4	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	116	%	1.0		
1,2-DICHLOROETHANE-D4	116	%	1.0		
TOLUENE-D8	111	%	1.0		
P-BROMOFLUOROBENZENE	108	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-2
 SDG: WQ2268
 Report Date: 8/14/00
 PO No.: 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-6	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-2
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-6	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-2
 SDG: WQ2268
 Report Date: 8/14/00
 PO No.: 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-6	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	119	%	1.0		
1,2-DICHLOROETHANE-D4	124	%	1.0		
TOLUENE-D8	112	%	1.0		
P-BROMOFLUOROBENZENE	109	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-5
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-7	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-5
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-7	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYL VINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	117	%	1.0		
1,2-DICHLOROETHANE-D4	120	%	1.0		
TOLUENE-D8	114	%	1.0		
P-BROMOFLUOROBENZENE	110	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-6
 SDG: WQ2268
 Report Date: 8/14/00
 PO No.: 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-8	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-6
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-8	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-6
SDG: WQ2268
Report Date: 8/14/00
PO No. : 07.29.00
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-8	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	119	%	1.0		
1,2-DICHLOROETHANE-D4	121	%	1.0		
TOLUENE-D8	114	%	1.0		
P-BROMOFLUOROBENZENE	110	%	1.0		

Report Notes:



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095

Lab Sample ID: WQ2268-5
 SDG: WQ2268
 Report Date: 08/09/2000
 PO No.: 07.29.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: N/A
 Analytical Method: SW846 8082

Sample Description	Matrix	Date	Date	Date	Prep				
		Sampled	Received	Prepped	Chemist				Preparative Method
MW-7	Aqueous	07/28/2000	07/29/2000	08/02/2000	LRS	SW846	3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst	
PCB-1016		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG	
PCB-1221		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG	
PCB-1232		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG	
PCB-1242		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG	
PCB-1248		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG	
PCB-1254		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG	
PCB-1260		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG	
2,4,5,6-Tetrachloro-meta-xylene		85	%	1.0			08/07/2000	JCG	
Decachlorobiphenyl		48	%	1.0			08/07/2000	JCG	



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095

Lab Sample ID: WQ2268-6
 SDG: WQ2268
 Report Date: 08/09/2000
 PO No.: 07.29.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: N/A
 Analytical Method: SW846 8082

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method
MW-8	Aqueous	07/28/2000	07/29/2000	08/02/2000	LRS	SW846 3510

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
PCB-1016		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG
PCB-1221		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG
PCB-1232		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG
PCB-1242		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG
PCB-1248		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG
PCB-1254		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG
PCB-1260		< 0.50	ug/L	1.0	0.50	0.50	08/07/2000	JCG
2,4,5,6-Tetrachloro-meta-xylene		80	%	1.0			08/07/2000	JCG
Decachlorobiphenyl		54	%	1.0			08/07/2000	JCG

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-2

Matrix: WATER

SDG Name: WQ2268

Percent Solids: 0.00

Lab Sample ID: WQ2268-003

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	22.4			P	1
7440-39-3	BARIUM	734			P	1
7440-43-9	CADMIUM	0.75	U		P	1
7440-47-3	CHROMIUM	135		N	P	1
7439-92-1	LEAD	214			P	1
7439-97-6	MERCURY	0.40			CV	1
7782-49-2	SELENIUM	7.45	U		P	1
7440-22-4	SILVER	2.60	U		P	1

Color Before: BROWN

Clarity Before: CLOUDY

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-4

Matrix: WATER

SDG Name: WQ2268

Percent Solids: 0.00

Lab Sample ID: WQ2268-001

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	1.98	U		P	1
7440-39-3	BARIUM	134			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	2.1	B	N	P	1
7439-92-1	LEAD	17.8			P	1
7439-97-6	MERCURY	0.02	U		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-6

Matrix: WATER

SDG Name: WQ2268

Percent Solids: 0.00

Lab Sample ID: WQ2268-002

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	4.6	B		P	1
7440-39-3	BARIUM	287			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	5.6	B	N	P	1
7439-92-1	LEAD	17.0			P	1
7439-97-6	MERCURY	0.02	U		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORMI - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-7

Matrix: WATER

SDG Name: WQ2268

Percent Solids: 0.00

Lab Sample ID: WQ2268-005

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	17.1			P	1
7440-39-3	BARIUM	1250			P	1
7440-43-9	CADMIUM	16.4			P	1
7440-47-3	CHROMIUM	163		N	P	1
7439-92-1	LEAD	136			P	1
7439-97-6	MERCURY	0.18	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	3.4	B		P	1

Color Before: BROWN

Clarity Before: CLOUDY

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-8

Matrix: WATER

SDG Name: WQ2268

Percent Solids: 0.00

Lab Sample ID: WQ2268-006

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	3.3	B		P	1
7440-39-3	BARIUM	462			P	1
7440-43-9	CADMIUM	1.6	B		P	1
7440-47-3	CHROMIUM	24.4		N	P	1
7439-92-1	LEAD	22.0			P	1
7439-97-6	MERCURY	0.13	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Color Before: BROWN

Clarity Before: CLOUDY

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

**QUALITY ASSURANCE / QUALITY CONTROL
SAMPLES**



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-7
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: -
 Method: SW8260
 Date Analyzed: 6/15/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB061300	SL	6/13/00	6/14/00	6/15/00	KMC	5030	KMC

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
DICHLORODIFLUOROMETHANE	<250	ug/Kgdrywt	50	250	5
CHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
VINYL CHLORIDE	<500	ug/Kgdrywt	50	500	10
BROMOMETHANE	<250	ug/Kgdrywt	50	250	5
CHLOROETHANE	<250	ug/Kgdrywt	50	250	5
TRICHLOROFLUOROMETHANE	<250	ug/Kgdrywt	50	250	5
1,1-DICHLOROETHENE	<250	ug/Kgdrywt	50	250	5
METHYLENE CHLORIDE	B270	ug/Kgdrywt	50	250	5
1,2-DICHLOROETHENE (TRANS)	<250	ug/Kgdrywt	50	250	5
1,1-DICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROETHENE (CIS)	<250	ug/Kgdrywt	50	250	5
2,2-DICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
CHLOROFORM	<250	ug/Kgdrywt	50	250	5
BROMOCHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
1,1,1-TRICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,1-DICHLOROPROPENE	<250	ug/Kgdrywt	50	250	5
CARBON TETRACHLORIDE	<250	ug/Kgdrywt	50	250	5
BENZENE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
TRICHLOROETHENE	<250	ug/Kgdrywt	50	250	5
DIBROMOMETHANE	<250	ug/Kgdrywt	50	250	5
BROMODICHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
CIS-1,3-DICHLOROPROPENE	<250	ug/Kgdrywt	50	250	5
TOLUENE	<250	ug/Kgdrywt	50	250	5
TRANS-1,3-DICHLOROPROPENE	<250	ug/Kgdrywt	50	250	5
1,1,2-TRICHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,3-DICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
DIBROMOCHLOROMETHANE	<250	ug/Kgdrywt	50	250	5
TETRACHLOROETHENE	<250	ug/Kgdrywt	50	250	5
1,2-DIBROMOETHANE	<250	ug/Kgdrywt	50	250	5
CHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
1,1,1,2-TETRACHLOROETHANE	<250	ug/Kgdrywt	50	250	5

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1719-7
 SDG: WQ1719
 Report Date: 6/27/00
 PO No. : 06.14.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: -
 Method: SW8260
 Date Analyzed: 6/15/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB061300	SL	6/13/00	6/14/00	6/15/00	KMC	5030	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<250	ug/Kgdrywt	50	250	5
BROMOFORM	<250	ug/Kgdrywt	50	250	5
STYRENE	<250	ug/Kgdrywt	50	250	5
1,1,2,2-TETRACHLOROETHANE	<250	ug/Kgdrywt	50	250	5
1,2,3-TRICHLOROPROPANE	<250	ug/Kgdrywt	50	250	5
ISOPROPYLBENZENE	<250	ug/Kgdrywt	50	250	5
BROMOBENZENE	<250	ug/Kgdrywt	50	250	5
2-CHLOROTOLUENE	<250	ug/Kgdrywt	50	250	5
N-PROPYLBENZENE	<250	ug/Kgdrywt	50	250	5
4-CHLOROTOLUENE	<250	ug/Kgdrywt	50	250	5
1,3,5-TRIMETHYLBENZENE	<250	ug/Kgdrywt	50	250	5
TERT-BUTYLBENZENE	<250	ug/Kgdrywt	50	250	5
1,2,4-TRICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
SEC-BUTYLBENZENE	<250	ug/Kgdrywt	50	250	5
1,3-DICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
P-ISOPROPYLTOLUENE	<250	ug/Kgdrywt	50	250	5
1,4-DICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
1,2-DICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
N-BUTYLBENZENE	<250	ug/Kgdrywt	50	250	5
1,2-DIBROMO-3-CHLOROPROPAN	<250	ug/Kgdrywt	50	250	5
1,2,4-TRIMETHYLBENZENE	<250	ug/Kgdrywt	50	250	5
NAPHTHALENE	<250	ug/Kgdrywt	50	250	5
HEXACHLOROBUTADIENE	<250	ug/Kgdrywt	50	250	5
1,2,3-TRICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
MTBE	<250	ug/Kgdrywt	50	250	5
ACETONE	<500	ug/Kgdrywt	50	500	10
2-BUTANONE	<500	ug/Kgdrywt	50	500	10
4-METHYL-2-PENTANONE	<500	ug/Kgdrywt	50	500	10
2-HEXANONE	<500	ug/Kgdrywt	50	500	10
M+P-XYLENE	<250	ug/Kgdrywt	50	250	5
O-XYLENE	<250	ug/Kgdrywt	50	250	5
1,3,5-TRICHLOROBENZENE	<250	ug/Kgdrywt	50	250	5
VINYL ACETATE	<250	ug/Kgdrywt	50	250	5.0

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1719-7
SDG: WQ1719
Report Date: 6/27/00
PO No. : 06.14.00
Project: MIDDLETOWN BROWNFIELD
% Solids: -
Method: SW8260
Date Analyzed: 6/15/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB061300	SL	6/13/00	6/14/00	6/15/00	KMC	5030	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<250	ug/Kgdrywt	50	250	5
DIETHYL ETHER	<250	ug/Kgdrywt	50	250	5
TETRAHYDROFURAN	<500	ug/Kgdrywt	50	500	10
2-CHLOROETHYLVINYLETHER	<500	ug/Kgdrywt	50	500	10
DIBROMOFLUOROMETHANE	107	%	50		
1,2-DICHLOROETHANE-D4	104	%	50		
TOLUENE-D8	99	%	50		
P-BROMOFLUOROBENZENE	92	%	50		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-2
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Sollds: -
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB061400	SL	6/14/00	6/16/00	6/19/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	B13	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
CHLOROFORM	<5	ug/Kg	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	1.0	5	5
BENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
TRICHLOROETHENE	<5	ug/Kg	1.0	5	5
DIBROMOMETHANE	<5	ug/Kg	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
TOLUENE	<5	ug/Kg	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
TETRACHLOROETHENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	1.0	5	5
CHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-2
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: -
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB061400	SL	6/14/00	6/16/00	6/19/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
ETHYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOFORM	<5	ug/Kg	1.0	5	5
STYRENE	<5	ug/Kg	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	1.0	5	5
ISOPROPYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOBENZENE	<5	ug/Kg	1.0	5	5
2-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
N-PROPYLBENZENE	<5	ug/Kg	1.0	5	5
4-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
N-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
NAPHTHALENE	<5	ug/Kg	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
MTBE	<5	ug/Kg	1.0	5	5
ACETONE	<10	ug/Kg	1.0	10	10
2-BUTANONE	<10	ug/Kg	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	1.0	10	10
2-HEXANONE	<10	ug/Kg	1.0	10	10
M+P-XYLENE	<5	ug/Kg	1.0	5	5
O-XYLENE	<5	ug/Kg	1.0	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
VINYL ACETATE	<5.0	ug/Kg	1.0	5.0	5.0

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-2
SDG: WQ1754
Report Date: 6/27/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: -
Method: SW8260
Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB061400	SL	6/14/00	6/16/00	6/19/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	1.0	5	5
DIETHYL ETHER	<5	ug/Kg	1.0	5	5
TETRAHYDROFURAN	<10	ug/Kg	1.0	10	10
2-CHLOROETHYLVINYLETHER	<10	ug/Kg	1.0	10	10
DIBROMOFLUOROMETHANE	116	%	1.0		
1,2-DICHLOROETHANE-D4	118	%	1.0		
TOLUENE-D8	122	%	1.0		
P-BROMOFLUOROBENZENE	117	%	1.0		

Report Notes: B



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing
 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1754-1
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: N/A
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
FB061400	Aqueous	06/14/2000	06/16/2000	06/20/2000	JRN	SW846 3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		< 50	ug/L	1.0	50	50	06/26/2000	JCG
o-Terphenyl		91	%	1.0			06/26/2000	JCG



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-1
 SDG: WQ1911
 Report Date: 7/12/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: -
 Method: SW8260
 Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB062700	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	B17	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
CHLOROFORM	<5	ug/Kg	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	1.0	5	5
BENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
TRICHLOROETHENE	<5	ug/Kg	1.0	5	5
DIBROMOMETHANE	<5	ug/Kg	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
TOLUENE	<5	ug/Kg	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
TETRACHLOROETHENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	1.0	5	5
CHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5
ETHYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOFORM	<5	ug/Kg	1.0	5	5
STYRENE	<5	ug/Kg	1.0	5	5

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-1
 SDG: WQ1911
 Report Date: 7/12/00
 PO No.: 06.29.00
 Project: 25863 0020 00000
 % Solids: -
 Method: SW8260
 Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB062700	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	1.0	5	5
ISOPROPYL BENZENE	<5	ug/Kg	1.0	5	5
BROMOBENZENE	<5	ug/Kg	1.0	5	5
2-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
N-PROPYLBENZENE	<5	ug/Kg	1.0	5	5
4-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
N-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
NAPHTHALENE	<5	ug/Kg	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
MTBE	<5	ug/Kg	1.0	5	5
ACETONE	J8	ug/Kg	1.0	10	10
2-BUTANONE	<10	ug/Kg	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	1.0	10	10
2-HEXANONE	<10	ug/Kg	1.0	10	10
M+P-XYLENE	<5	ug/Kg	1.0	5	5
O-XYLENE	<5	ug/Kg	1.0	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
VINYL ACETATE	<5.0	ug/Kg	1.0	5.0	5.0
CARBON DISULFIDE	<5	ug/Kg	1.0	5	5
DIETHYL ETHER	<5	ug/Kg	1.0	5	5
TETRAHYDROFURAN	<10	ug/Kg	1.0	10	10
2-CHLOROETHYL VINYLETHER	<5	ug/Kg	1.0	5	5
DIBROMOFLUOROMETHANE	118	%	1.0		
1,2-DICHLOROETHANE-D4	127	%	1.0		

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-1
SDG: WQ1911
Report Date: 7/12/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: -
Method: SW8260
Date Analyzed: 7/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB062700	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	114	%	1.0		
P-BROMOFLUOROBENZENE	106	%	1.0		

Report Notes: B, J



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing
Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Sample ID: WQ1911-2
SDG: WQ1911
Report Date: 07/17/2000
PO No.: 06.29.00
Project: 25863 0020 00000
Percent Solids: N/A
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
FB062700	Aqueous	06/27/2000	06/29/2000	06/30/2000	LRS	SW846 3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		87	ug/L	1.0	50	50	07/14/2000	JCK
o-Terphenyl		69	%	1.0			07/14/2000	JCK



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095

 Proj. ID: MBF

Lab Number: WQ2000-6
 SDG: WQ2000
 Report Date: 7/14/00
 PO No. : 07.08.00
 Project: 25863 0020 00000
 % Solids: 89
 Method: SW8260
 Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB070600	SL	7/6/00	7/8/00	7/11/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	816	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
CHLOROFORM	<5	ug/Kg	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	1.0	5	5
BENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
TRICHLOROETHENE	<5	ug/Kg	1.0	5	5
DIBROMOMETHANE	<5	ug/Kg	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
TOLUENE	<5	ug/Kg	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	1.0	5	5
TETRACHLOROETHENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2000-6
 SDG: WQ2000
 Report Date: 7/14/00
 PO No. : 07.08.00
 Project: 25863 0020 00000
 % Solids: 89
 Method: SW8260
 Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB070600	SL	7/6/00	7/8/00	7/11/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOFORM	<5	ug/Kg	1.0	5	5
STYRENE	<5	ug/Kg	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	1.0	5	5
ISOPROPYLBENZENE	<5	ug/Kg	1.0	5	5
BROMOBENZENE	<5	ug/Kg	1.0	5	5
2-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
N-PROPYLBENZENE	<5	ug/Kg	1.0	5	5
4-CHLOROTOLUENE	<5	ug/Kg	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	1.0	5	5
N-BUTYLBENZENE	<5	ug/Kg	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	1.0	5	5
NAPHTHALENE	<5	ug/Kg	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
MTBE	<5	ug/Kg	1.0	5	5
ACETONE	J8	ug/Kg	1.0	10	10
2-BUTANONE	<10	ug/Kg	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	1.0	10	10
2-HEXANONE	<10	ug/Kg	1.0	10	10
M+P-XYLENE	<5	ug/Kg	1.0	5	5
O-XYLENE	<5	ug/Kg	1.0	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	1.0	5	5
VINYL ACETATE	<5.0	ug/Kg	1.0	5.0	5.0

Report Notes: B, J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2000-6
SDG: WQ2000'
Report Date: 7/14/00
PO No. : 07.08.00
Project: 25863 0020 00000
% Solids: 89
Method: SW8260
Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB070600	SL	7/6/00	7/8/00	7/11/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	1.0	5	5
DIETHYL ETHER	<5	ug/Kg	1.0	5	5
TETRAHYDROFURAN	<10	ug/Kg	1.0	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/Kg	1.0	5	5
DIBROMOFLUOROMETHANE	107	%	1.0		
1,2-DICHLOROETHANE-D4	104	%	1.0		
TOLUENE-D8	107	%	1.0		
P-BROMOFLUOROBENZENE	102	%	1.0		

Report Notes: B, J

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FB072800

Matrix: WATER

SDG Name: WQ2268

Percent Solids: 0.00

Lab Sample ID: WQ2268-004

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	1.98	U		P	1
7440-39-3	BARIUM	0.49	B		P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.87	B	N	P	1
7439-92-1	LEAD	1.6	B		P	1
7439-97-6	MERCURY	0.02	U		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

Sample Data Summary 0000023



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-7
 SDG: WQ2268
 Report Date: 8/14/00
 PO No. : 07.29.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB072800	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WQ2268-7
SDG: WQ2268
Report Date: 8/14/00
PO No. : 07.29.00
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 8/7/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB072800	AQ	7/28/00	7/29/00	8/7/00	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	118	%	1.0		
1,2-DICHLOROETHANE-D4	123	%	1.0		
TOLUENE-D8	111	%	1.0		
P-BROMOFLUOROBENZENE	109	%	1.0		

Report Notes: