



Customer-Focused Solutions

**PHASE III
ENVIRONMENTAL SITE ASSESSMENT
FORMER PETERSON OIL COMPANY
44 RIVER ROAD
MIDDLETOWN, CONNECTICUT**

Prepared for:

City of Middletown

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April 2002

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1.0 INTRODUCTION

1.1 Objective

TRC performed a Phase III environmental site assessment at the former Peterson Oil Company property, located on River Road in Middletown, Connecticut. This Phase III environmental site assessment was conducted in consideration of the following objectives.

- Determine whether there are any conditions that require reporting to the Connecticut Department of Environmental Protection (CT DEP).
- Further define areas to be remediated and determine the approximate costs.
- Identify environmental issues that could affect site development.

It should be noted that this Phase III investigation was not intended to meet the requirements of a Phase III investigation as defined by the Connecticut Transfer Act.

1.2 Background

The location of the subject site is shown on Figure 1-1, with a more localized view of the site presented as Figure 1-2. The features and layout of the subject property are depicted on Figure 1-3. The City of Middletown currently owns the property. The site was previously occupied by the Peterson Oil Company (see description and details below).

The subject property is 1.49 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 2). The on-site facility is presently supplied by municipal water, gas, and electricity.

The site is bounded by Sumner Brook to the north, River Road to the west, the Connecticut River to the east and the City of Middletown Waste Water Treatment Facility to the south. Across River Road from the subject site to the west is the Marino property.

The site was previously occupied by a petroleum bulk storage facility since at least the early 1920s. Dismantling of the facility began in 1997.

A Phase I environmental site assessment was previously conducted on the site by Marin Environmental, Inc. in March 1998. The report indicated that six bulk storage above ground storage tanks (ASTs) with a combined capacity of 2,247,000 gallons were located on the site until February 1998. One bulk storage AST with a capacity of 1,150,000

gallons was located on the site prior to 1979. In addition, three underground storage tanks (USTs) existed on-site and were reportedly removed in September 1988.

Small areas of stained soil were identified by Marin in the area of the former on-site tank farm (southern area of the site). Three avenues of discharge to surface water bodies were identified on the site by Marin. These included seven floor drains located in the on-site building that reportedly discharged to Sumner Brook, a trench drain surrounding the fueling rack which reportedly discharged to a 5,000-gallon underground holding tank, and a storm water catch basin in the southeastern portion of the site which was reportedly connected to a drywell.

As part of a background investigation, Marin identified documentation regarding one on-site spill. This spill occurred on October 26, 1996 and involved the release of approximately 20 gallons of No. 2 heating oil. Contaminated soils were reportedly excavated and removed from the site.

A Phase II environmental site assessment was also conducted on the Peterson property by Marin in March 1998. This investigation consisted of the drilling of fourteen soil borings on the site and the collection of soil samples from each boring, the installation and sampling of eight ground water monitoring wells, and the collection of six surface soil samples.

Soils on the site were shown to be impacted by TPH and VOCs, primarily in the area of the former tank farm, the former loading racks and gasoline USTs/ASTs.

As a result of the Marin Phase II investigation, ground water samples from the site were shown to contain elevated levels of total petroleum hydrocarbons (TPH), dissolved lead, and volatile organic compounds (VOCs).

In March 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 an updated Phase I Environmental Site Assessment, contained in Appendix A. As a part of the updated Phase I, TRC conducted a database search of USEPA and State records in order to identify new and confirm historic potential environmental issues with regard to the site itself or to surrounding properties. The subject site was listed under the Connecticut Underground Storage Tank (UST) portion of the databases reviewed as part of this effort. The site was listed in the database report as having three 3,000 gallon USTs (one for diesel and two for gasoline). The report further states that these USTs are permanently out of use.

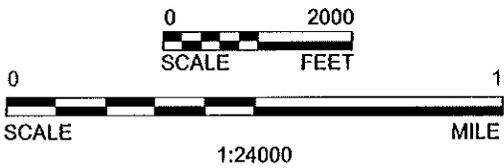
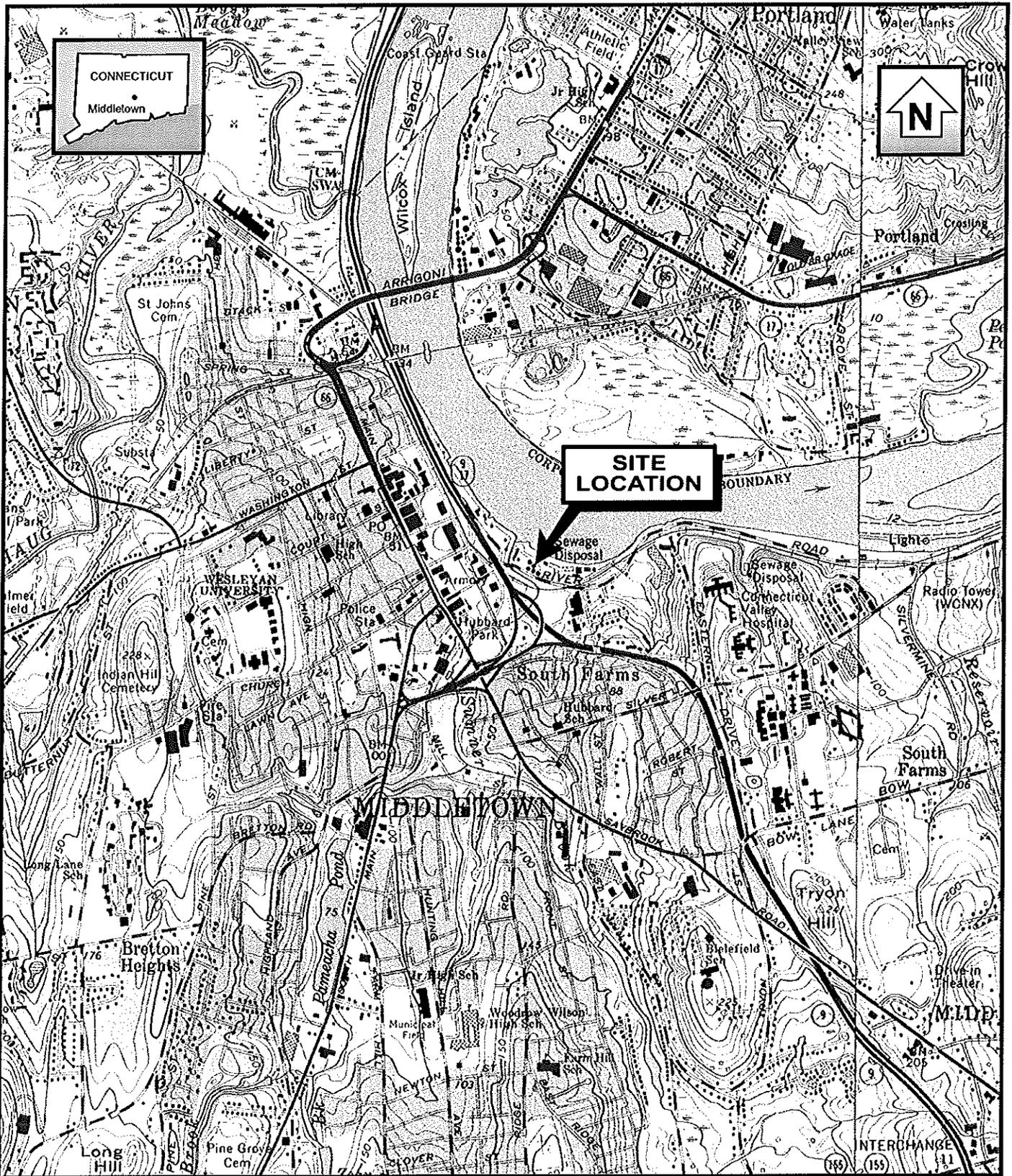
TRC performed a site inspection of the facility on March 13, 2000 and identified the following relevant issues:

- Staining in the vicinity of floor drains that empty into Sumner Brook;
- the former on-site tank farm and associated petroleum loading racks;

- and suspect asbestos containing material (ACM) in the office area (9"x9" floor tiles).

Based upon TRC's knowledge of the surrounding area and historic uses of other off-site properties in the immediate vicinity of the subject site, two off-site relevant items have been identified:

- The Marino property, a former manufacturing facility and recipient of wastes from a historic municipal landfill, is located across the street from the former Peterson Oil Company. This property has been the subject of an environmental investigation conducted by the USEPA.
- The City of Middletown's Waste Water Treatment Facility (WWTF) is located immediately adjacent to the former Peterson Oil Company property.



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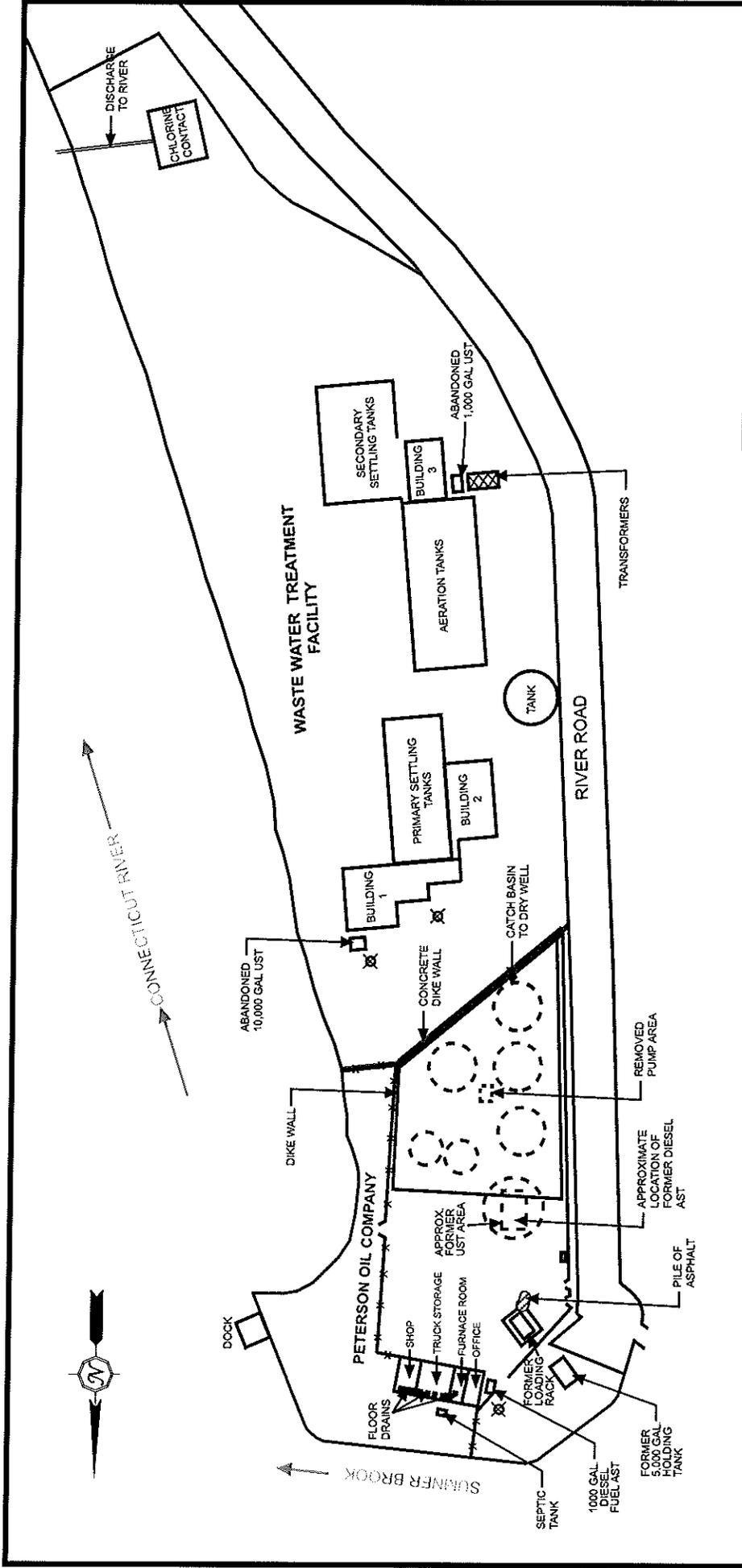
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FIGURE 1-1
SITE LOCATION MAP

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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FIGURE 1-2
SITE LOCATION MAP CLOSE-UP

Date: 01/01
Project No. 25863-0020

LEGEND

- ☒ UNLABELED 55-GALLON DRUM
- (dashed) APPROXIMATE FORMER AST LOCATION

NOT TO SCALE

2.0 PHASE III INVESTIGATION TECHNICAL APPROACH

All work performed for this Phase III 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

Soil borings and monitoring wells were advanced on-site as outlined in the initial sampling design. Surface soil samples were also collected as outlined in the QAPjP. The locations for all samples were determined based on the interpreted direction of ground water flow, the location of suspect on-site contaminant sources, as well as on the previous Phase II work completed by Marin. Figure 2-1 presents the locations where soil borings were advanced, monitoring wells were installed, and surface soil samples were collected.

On June 14, 27 and July 6, 2000, nine soil borings were completed using a hollow-stem auger drill rig and a direct-push rig in areas which were not accessible by the larger rig. Soil samples from each of the borings were collected using a split-spoon (hollow stem auger rig) or in five-foot-long direct-push sampling liners (direct-push rig). Soil samples were collected continuously from the ground surface to the water table depth at each location. Ground water monitoring wells were installed in seven of the ten borings following completion of the soil sampling. Surface soil sampling was also conducted at the Peterson site in the area of the former bulk petroleum storage ASTs on June 14, 2000. Dedicated, decontaminated stainless steel bowls and spoons were used to collect the surface soil samples to a depth of one foot below grade at each location.

Development of each of the newly installed monitoring wells was completed after the wells were installed. A period of approximately three weeks elapsed before sampling of all the on-site monitoring wells was conducted on August 2, 2000. Table 2-1 presents a list of samples collected as well as the chemical analyses performed on each sample.

Ground water level measurements were recorded for the site as well as for the adjacent site (the City's WWTF) where work was also conducted by TRC. Figure 2-2 illustrates the estimated direction of ground water flow based solely on ground water measurements obtained from wells at the Peterson site. Using additional information obtained from the wells at the WWTF, a broader based ground water contour map was constructed. Figure 2-3 indicates the estimated ground water flow direction using additional off-site control points.

2.2 Evaluation of the Need for Remediation

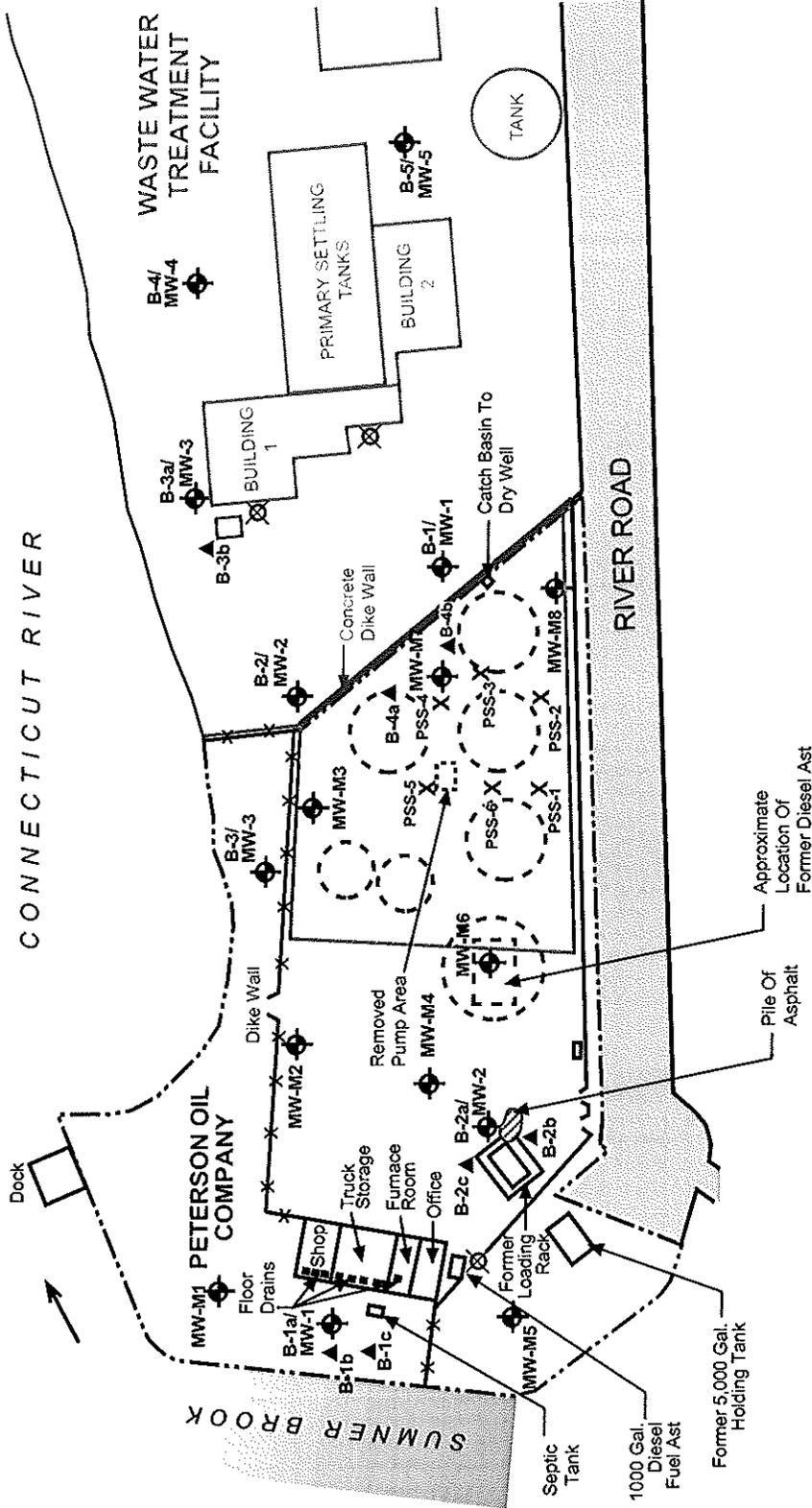
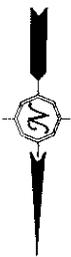
TRC analyzed the current and previous sampling data together with field observations to determine the need for remediation at the Site. The results of chemical analyses were compared with CT DEP Remediation Standard Regulations to evaluate the need for reporting site conditions to the CT DEP and to aid in defining areas requiring remedial action(s).

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

Sample Location	Sample Depth (ft) / Notes	TPH	VOCs	SVOCs	RCRA 8 Metals
		Method ETPH – 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
B-1A	8-10	√	√		√
B-1B	0-2	√	√		√
B-1C	6-8	√	√		√
B-2A	8-10	√	√	√	√
B-5	Dupl. of B-2A	√	√	√	√
B-2B	10-12	√	√		√
B-2C	9-11	√	√		√
B-3	8-10	√	√		√
B-4A	10-15	√	√	√	√
B-4B	10"-1.75	√		√	
PSS-1	0 - 1	√			√
PSS-2	0 - 1	√			√
PSS-3	0 - 1	√			√
PSS-4	0 - 1	√			√
PSS-5	0 - 1	√			√
PSS-6	0 - 1	√			√
MW-M1	-		√		√
MW-1	-		√		√
MW-M2	-		√		√
MW-2	-	√	√		√
MW-4	Dupl. of MW-2		√		√

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

Sample Location	Sample Depth (ft) / Notes	TPH Method ETPH – Rev. 0	VOCs Method 5035 8260B for soils and 8260B for water	SVOCs Method 8270	RCRA 8 Metals Method 1312/6010B or 7471A (SPLP for soils) and 6010B or 7471A for water
MW-M3	-		√		√
MW-3	-		√		√
MW-M4	-		√		√
MW-M6	-	√	√		√
MW-M7	-	√	√		√
MW-M8	-		√		√



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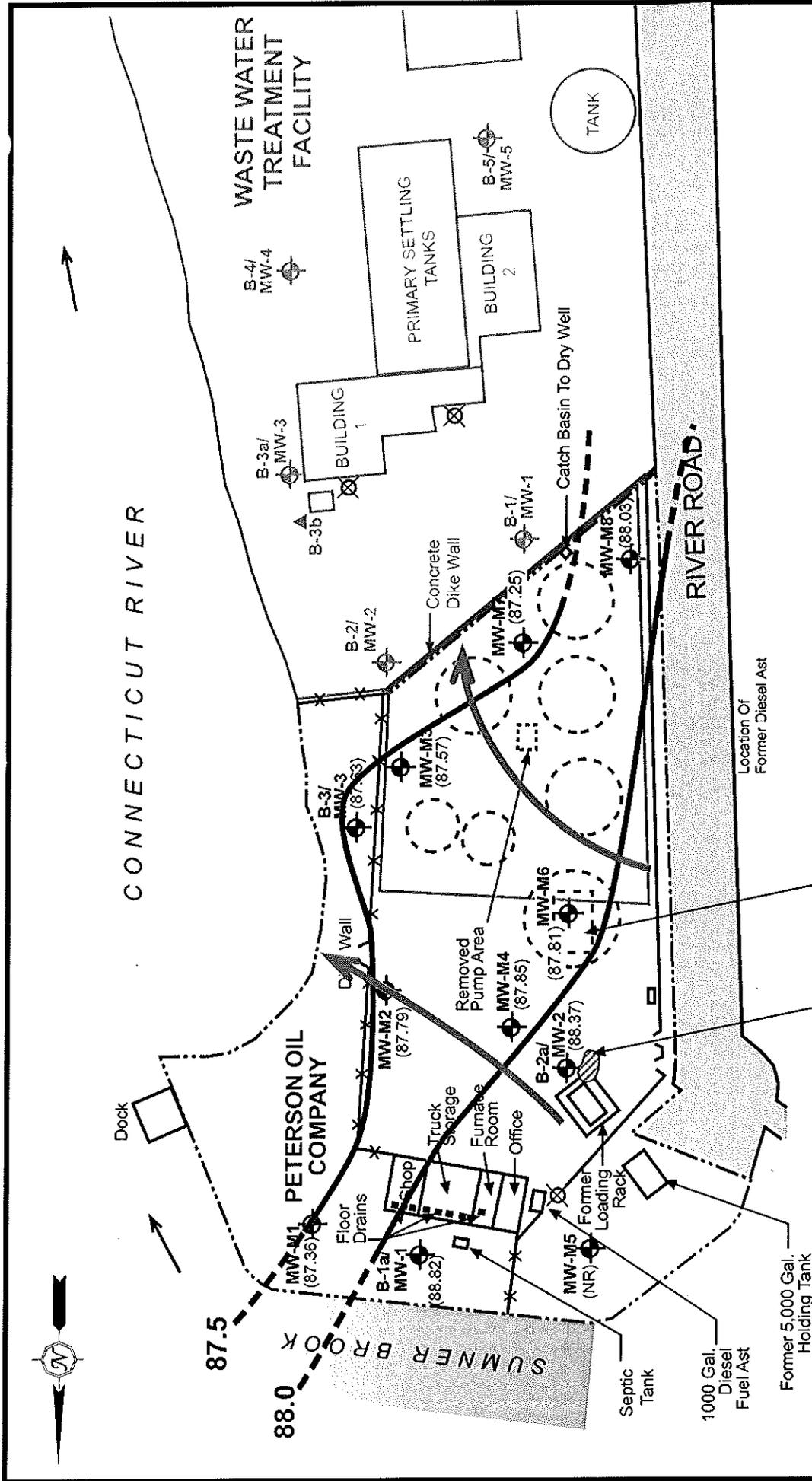
FIGURE 2-1
ENVIRONMENTAL SAMPLING LOCATIONS

Date: 01/01 Project No. 25863-0020

LEGEND

- B-1b ▲ SOIL BORING
- PSS-1-X ✕ UNLABELED 55-GALLON DRUM
- (with ✕) APPROXIMATE FORMER AST LOCATION
- ⊕ MONITORING WELL (INSTALLED BY TRC)
- MW-M8 (INSTALLED BY MARIN)

NOTE: DRAWING NOT TO SCALE



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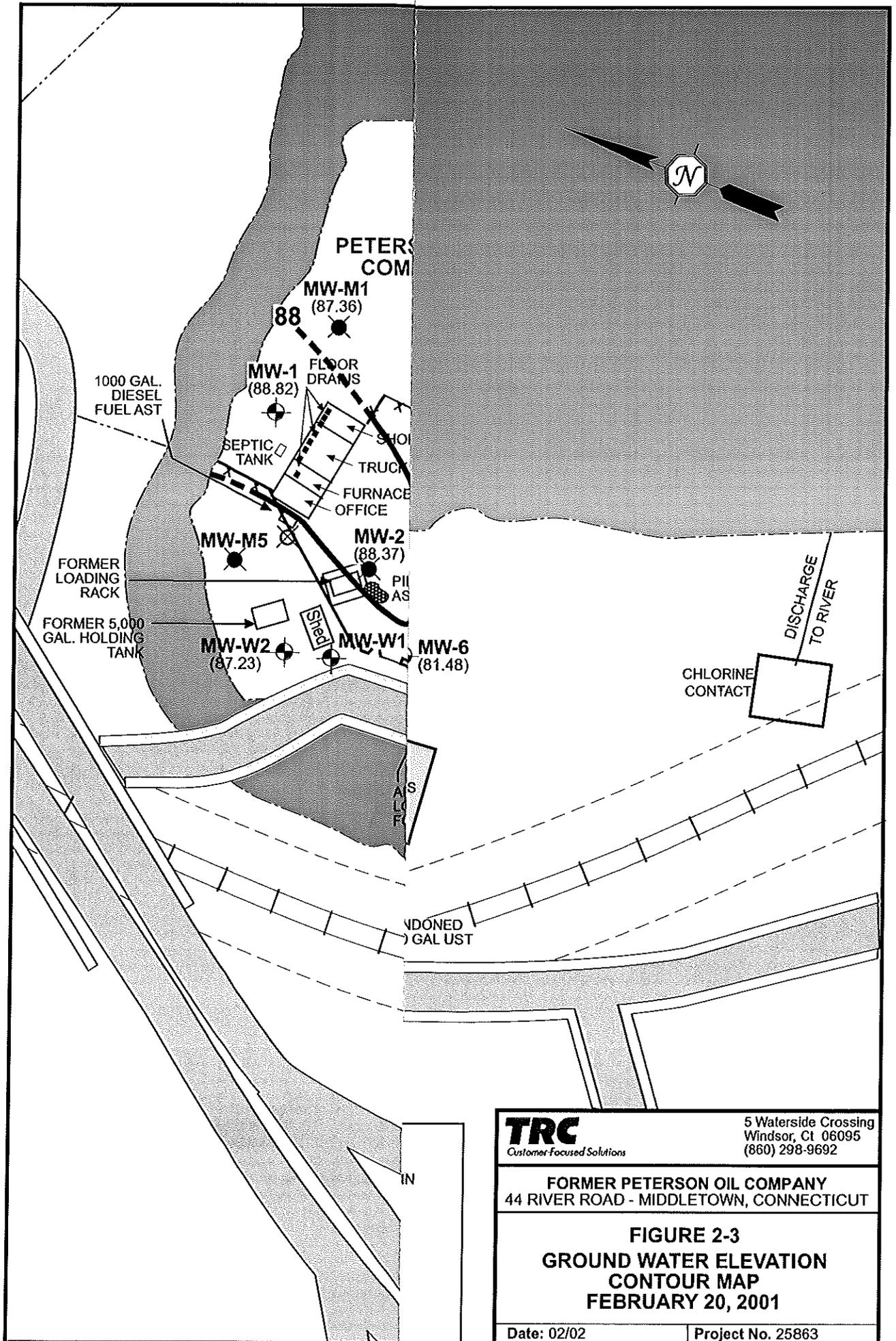
FIGURE 2-2
GROUND WATER ELEVATION CONTOUR
MAP (PETERSON) FEBRUARY 20, 2001

Date: 04/02 Project No. 25863-0020

LEGEND

- MONITORING WELL
- MW-1 (INSTALLED BY TRC)
- MW-M8 (INSTALLED BY MARIN)
- (NR) NO READING
- UNLABELED 55-GALLON DRUM
- APPROXIMATE FORMER AST LOCATION
- APPROXIMATE DIRECTION OF GROUND WATER FLOW

NOTE: DRAWING NOT TO SCALE



3.0 RESULTS OF INVESTIGATION

3.1 Environmental Conditions

The soil on site consists primarily of brown, fine to coarse sand, with little to some gravel and little silt. This soil is typical of river alluvium. The water table was encountered between 8 and 10 feet below grade in all of the borings. Appendix B contains copies of the soil boring logs. Previous work conducted at the site in 1998 by Marin Environmental yielded the following information. According to the Marin study, site soils are impacted by TPH and VOCs at levels exceeding the GB PMC in the area of the former tank farm (eastern end) and near the former loading racks. Elevated levels of TPH, dissolved lead, and VOCs were found in the ground water at the site. A ground water contour map generated by Marin in April of 1998 indicated that direction of ground water flow across the site was to the northwest, toward Sumner Brook. The data tables from the Marin report are located in Appendix C.

3.2 Analytical Results

Appendix D contains copies of the laboratory reports of chemical analyses.

3.2.1 Surface Soil

Table 3-1 presents the ETPH and RCRA 8 Metals results reported for the surface soils collected at the Peterson site. Also cited within this table are the standards to which the concentrations for each constituent are compared. Both the Connecticut Remediation Standard Regulation (RSR) Residential Direct Exposure Criteria (RDEC) and the GB Pollutant Mobility Criteria (GB PMC) are listed. The RDEC for the inorganics are not presented on the table, as SPLP and not total metals analyses were conducted for this investigation. The RDEC is not applicable to SPLP results. Note that these "hits" tables list only those analytes that were detected in the samples.

Extractable Total Petroleum Hydrocarbons (ETPH): ETPH was detected in each of the six surface soil samples collected at the site. ETPH concentrations were reported ranging from 7.5 parts per million (ppm) to 150 ppm. Each of these concentrations falls below the RDEC and the GB PMC of 500 ppm and 2,500 ppm, respectively.

Metals by SPLP: Metals were detected in all of the surface soil samples analyzed. Arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver were all detected in various surface soil samples at levels that do not exceed the GB PMC.

3.2.2 Subsurface Soil

Table 3-2 presents a summary of the chemical analyses of subsurface soil samples collected at the site (hits only). The applicable criteria are presented in the table along with the results (see the discussion above regarding the applicable criteria for soils).

Extractable Total Petroleum Hydrocarbons (ETPH): ETPH was detected in each of the soil samples submitted for this analysis. Two of the soil samples, B-1B and B-4B,

exhibited ETPH concentrations (650 ppm and 1,700 ppm, respectively) above the RDEC of 500 ppm. These concentrations do not exceed the GB PMC of 2,500 ppm for TPH.

Volatile Organic Compounds (VOCs): Methylene chloride was detected in each of the soil samples submitted for VOC analysis. Acetone was detected in all samples submitted for VOC analysis, with the exception of sample B-4A. These two constituents were detected at low concentrations in each sample below the RDEC and the GB PMC. It is likely that their presence in the samples is due to cross-contamination in the laboratory, as they are both considered to be common laboratory contaminants. Low levels of other VOCs were detected in samples B-1B, B-2B, and B-2C. The reported concentrations are below both the RDEC and the GB PMC for each respective VOC constituent.

Semivolatile Organic Compounds (SVOCs): Soil samples from three locations (B-2A and its duplicate B-5, B-4A, and B-4B) were submitted to the laboratory for SVOC analysis. SVOCs (primarily polynuclear aromatic hydrocarbons or PAHs) were detected samples B-4A and B-4B, but at concentrations that do not exceed the respective RDEC or the GB PMC for each constituent.

Metals by SPLP: Metals were detected in each of the soil boring samples submitted for this analysis. Table 3-2 specifies which metals were detected in each sample, but in general, barium chromium, lead, mercury, and silver were detected. None of the metals were detected at concentrations above the GB PMC.

3.2.3 Ground Water

Table 3-3 presents a summary of the results of chemical analyses conducted on ground water samples collected at the site. Note that these tables only list those analytes that were detected in the samples. In addition to presenting the results, the Connecticut Remediation Standard Regulation (RSR) Volatilization Criteria (VC) and the Surface Water Protection Criteria (SWPC) are presented for comparison purposes.

Extractable Total Petroleum Hydrocarbons (ETPH): ETPH was detected in wells MW-2, MW-M6 and MW-M7 at concentrations ranging from 0.5 ppm in MW-2 to 9.8 ppm in MW-M6. There are no VC or SWPC currently established under the CT RSRs for ETPH.

Volatile Organic Compounds (VOCs): Low concentrations of VOCs were detected in several of the on-site wells, including MW-M2, MW-M3, MW-3, MW-M4, and MW-M7. Moderate levels of several VOCs were detected in the ground water sample collected from MW-M6 (in the vicinity of a former UST and AST location). The concentrations reported did not exceed the applicable criteria. It should be noted that several VOCs do not have VC or SWPC established under the current RSRs.

Metals: Several metals, including arsenic, barium, cadmium, chromium, lead, mercury, and silver were detected in ground water samples collected from monitoring wells at the site. Concentrations of four metals; arsenic, cadmium, lead, and mercury exceeded the established SWPC. Arsenic was detected in excess of the SWPC in the ground water

samples from wells MW-1, MW-M3, MW-3, MW-M6, MW-M7 and MW-M8. Concentrations of arsenic in these wells ranged from 6.1 ppb to 77.4 ppb. Cadmium was detected at a concentration of 30.9 ppb in the ground water collected from well MW-1. Lead was detected in excess of the SWPC of 13 ppb in ground water from wells MW-M1, MW-1, MW-M2, MW-M3, MW-3, MW-M6, MW-M7, and MW-M8. Mercury was detected at a concentration of 3.6 ppb in the ground water sample MW-1. This concentration exceeds the SWPC of 0.4 ppb for mercury.

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).

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 one monitoring well at the Peterson site (MW-5) was not sampled due to the fact that it was dry on the date of the sampling. A report prepared by Marin in June 1998 indicated that this well had previously been dry. Additionally, matrix spike/matrix spike duplicate (MS/MSD) samples were not collected at the Peterson site as part of the field program.

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 and one monitored below the tolerance (but not at temperatures 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.

Field Quality Control – All blanks and duplicate samples were collected and/or analyzed as specified in the QAPjP. As mentioned above, a sample was not collected in triplicate volume in order for MS/MSD analyses to be run.

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.

3.4 Subsequent Remedial Actions

In response to the findings of the previous investigations, remedial activities were initiated at the site. On December 18 and 19, 2001, approximately 600 cubic yards of petroleum-impacted soil were excavated from the southwestern end of the property adjacent to the WWTF. The excavation measured approximately 50 feet in diameter; the depth ranged from 3 feet below grade on the western side of the excavation to a depth of 10 feet below grade on the eastern side of the excavation. The approximate area of excavation is provided on Figure 3-1.

A total of ten soil samples were collected from the sidewalls and bottom of the excavation (SS-1 through SS-10). The approximate locations of the soil samples are shown on Figure 3-2. All of the soil samples were analyzed for ETPH. Four soil samples were selected for further analysis. Soil samples SS-2 (southeast bottom, 10 feet below grade), SS-3 (eastern center bottom, 6 feet below grade), SS-5 (southern sidewall, 4 feet below grade) and SS-6 (center bottom, 6 feet below grade) were analyzed for volatile organic compounds (VOCs) by EPA Method 8021.

Soil sample SS-5 was collected from an area near a gravel drywell (and beneath the concrete dike wall that serves as the southern boundary between the Peterson property and the WWTF) that was encountered and removed as part of the excavation activities. The soil in the vicinity of the drywell exhibited both visible staining and petroleum-type odors. This drywell was the same as the one identified in the Marin Phase I investigation that was connected to the storm water catch basin.

The ETPH analytical results indicated no detectable concentrations in all of the samples except SS-5. The reported ETPH concentration for SS-5 was 5,600 ppm, which exceeds the RDEC of 500 ppm and the GB PMC of 2,500 ppm. Several VOCs were reported in all of the samples analyzed, all of which were below the DEC and PMC criteria. A summary of the analytical results is presented in Table 3-4. The laboratory analytical report is included within Appendix C.

TABLE 3-1

SURFACE SOIL SAMPLE ANALYTICAL RESULTS
 Peterson Oil Facility
 June 14, 2000

SAMPLE IDENTIFICATION SAMPLE DEPTH (FT)	PSS-1 0-1	PSS-2 0-1	PSS-3 0-1	PSS-4 0-1	PSS-5 0-1	PSS-6 0-1	FB061400	CT Residential DEC	CT GB PMC
ETPH (ppm)	7.5	110	140	47	17	150	ND	500	2,500
INORGANICS - by SPLP (ppb)									
ARSENIC	435	413	382	2.7 B	474	275	NA	N/A	500
BARIIUM	0.71 B		0.61 B	0.36 B	0.43 B	1.8 B		N/A	10,000
CADMIUM	1.6 B	1.8 B	8.0 B	4.9 B	3.7 B	4.9 B		N/A	50
CHROMIUM	8.4	42	79.5	12.4	7	7.3		N/A	500
LEAD	0.05 B	0.04 B	0.06 B	0.06 B	0.06 B	0.04 B		N/A	150
MERCURY		3.3 B			4.0 B			N/A	20
SELENIUM				1.3 B				N/A	500
SILVER								N/A	360

NOTES:

CT Residential DEC = Connecticut Remediation Standard Regulations Residential Direct Exposure Criteria.

CT GB PMC = 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.

ND = Not detected

NA = Not Analyzed

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.

TABLE 3-2
SOIL SAMPLE ANALYTICAL RESULTS
Peterson Oil Facility
June 14, 27 & July 6, 2000

SAMPLE IDENTIFICATION: SAMPLE DEPTH (FT)	B-1A 8-10	B-1B 0-2	B-1C 5-8	B-2A 8-10	B-5 Dup't of B-2A	B-2B 10-12	B-2C 9-11	B-3 8-10	B-4A 10-15	B-4B 0.65-1.75	CT Residential DEC	CT GB PMC
ETPH (ppm)	20	650	65	12	13	37	16	12	200	1700	500	2,500
VOLATILE ORGANICS (ppb)												
METHYLENE CHLORIDE	12 B	6 B	16 B	10 B	8 B	15 B	13 B	10 B	7 B	NA	82,000	1,000
CHLOROFORM						8					100,000	1,200
BENZENE		6									21,000	200
TOLUENE		38									500,000	67,000
NAPHTHALENE	8 J	28	72	6 J	5 J	5 B	9 J	26			1,000,000	56,000
ACETONE						8 J					500,000	140,000
2-BUTANONE						8 J					500,000	80,000
CARBON DISULFIDE						4 J					500,000	140,000
SEMIVOLATILE ORGANICS (ppb)												
ACENAPHTHENE	NA	NA	NA	ND	ND	NA	NA	NA				
DIBENZOFURAN										420 J	1,000,000	84,000
FLUORENE										660	270,000	5,600
PHENANTHRENE										1000	1,000,000	56,000
FLUORANTHENE									500	2600	1,000,000	40,000
PYRENE									740		1,000,000	56,000
BENZO(A)ANTHRACENE									610		1,000,000	40,000
CHRYSENE									420		1,000	1,000
BENZO(B)FLUORANTHENE									340 J		84,000	1,000
BENZO(A)PYRENE									390		1,000	1,000
INDENO(1,2,3-CD)PYRENE									320 J		1,000	1,000
INORGANICS - by SPLP (ppb)									200 J		1,000	1,000
BARIUM	240	286	345	303	276	143	127	404	231	NA	N/A	10,000
CHROMIUM	2.1 B	4.8 B	5.1 B	1.9 B	2.8 B			6.8 B	2.6 B		N/A	500
LEAD	3.6 B	24.9	6.8	0.06 B	0.03 B			7.7	11.5		N/A	150
MERCURY		0.08 B				0.03 B	0.06 B	1 B	1.2 B		N/A	20
SILVER											N/A	360

NOTES:
 CT Residential DEC = Connecticut Remediation Standard Regulations Residential Direct Exposure Criteria.
 CT GB PMC = Connecticut Remediation Standard Regulation GB Pollutant Mobility Criteria.
 NA - 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
 B (associated with VOC analysis) = The analyte detected was also detected in an associated blank.
 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 required detection limit; the concentration is considered to be estimated.
 J = Indicates that the concentration reported is estimated.
 ND = Not detected
 Bold indicates that the reported concentration exceeds one or more of the applicable criteria.

TABLE 3-2 (continued)
 SOIL SAMPLE ANALYTICAL RESULTS
 Peterson Oil Facility
 June 14, 27 & July 6, 2000

SAMPLE IDENTIFICATION; SAMPLE DEPTH (FT)	FB061400	TB061400	FB062700	TB062700	FB070600	TB070600	CT Residential DEC	CT GB PMC
ETPH (ppm)	ND	NA	0.087	NA	0.21	NA	500	2,500
VOLATILE ORGANICS (ppb)	NA		NA		NA			
METHYLENE CHLORIDE		13 B		17 B		16 B	82,000	1,000
CHLOROFORM							100,000	1,200
BENZENE							21,000	200
TOLUENE							500,000	67,000
NAPHTHALENE							1,000,000	56,000
ACETONE				8 J		8J	500,000	140,000
2-BUTANONE							500,000	80,000
CARBON DISULFIDE							500,000	140,000
SEMIVOLATILE ORGANICS (ppb)	NA	NA	NA	NA	NA	NA		
ACENAPHTHENE							1,000,000	84,000
DIBENZOFURAN							270,000	5,600
FLUORENE							1,000,000	56,000
PHENANTHRENE							1,000,000	40,000
FLUORANTHENE							1,000,000	56,000
PYRENE							1,000,000	40,000
BENZO(A)ANTHRACENE							1,000	1,000
CHRYSENE							84,000	1,000
BENZO(B)FLUORANTHENE							1,000	1,000
BENZO(A)PYRENE							1,000	1,000
INDENO(1,2,3-CD)PYRENE							1,000	1,000
INORGANICS (ppb)	NA	NA	NA	NA	NA	NA		
BARIUM							N/A	10,000
CHROMIUM							N/A	500
LEAD							N/A	150
MERCURY							N/A	20
SILVER							N/A	360

NOTES:

CT Residential DEC = Connecticut Remediation Standard Regulations Residential Direct Exposure Criteria.

CT GB PMC = 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.

ND = Not detected

NA = Not Analyzed

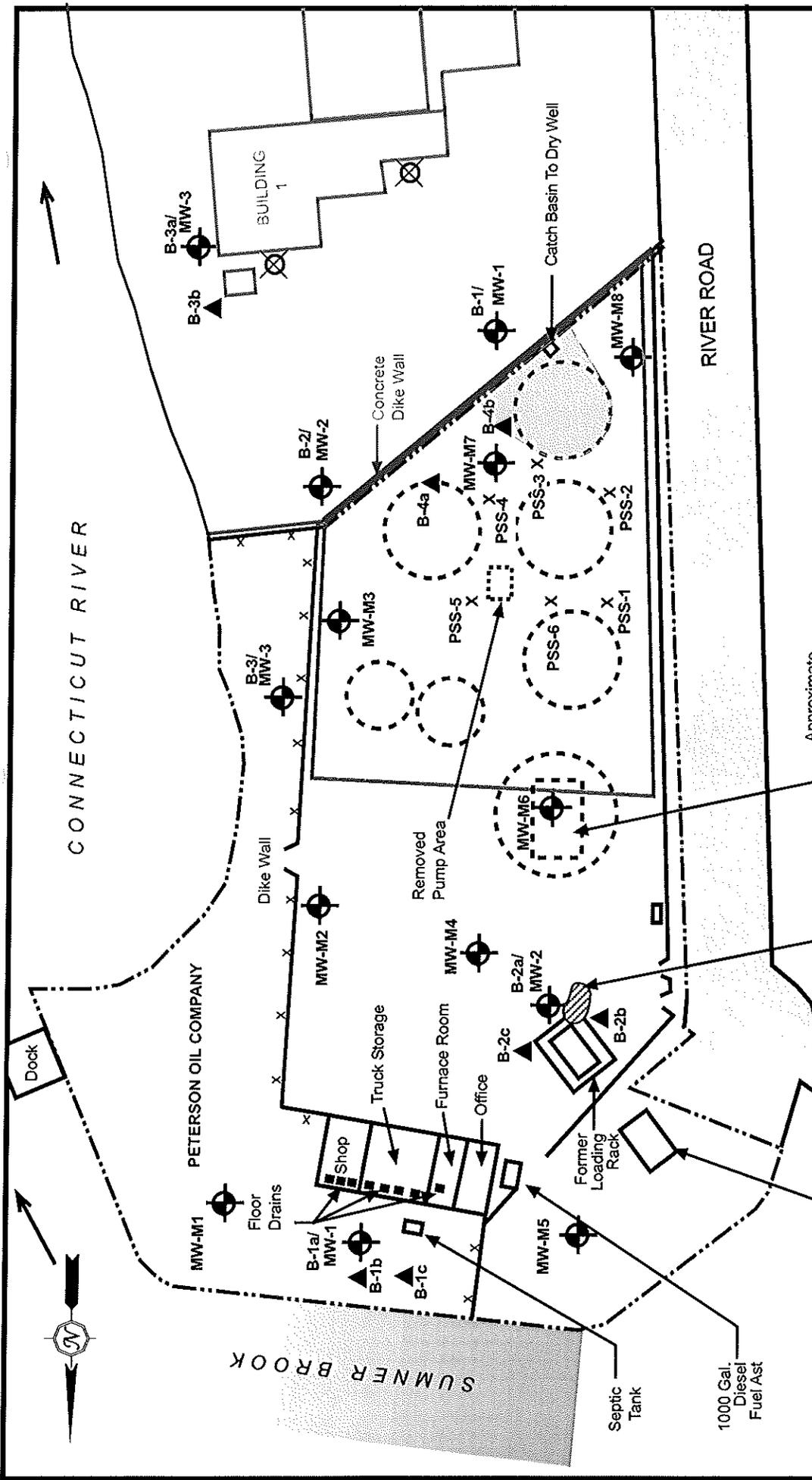
B (associated with VOC analysis) = The analyte detected was also detected in an associated blank.

TABLE 3-3

GROUND WATER SAMPLE ANALYTICAL RESULTS
 Peterson Oil Facility
 August 2, 2000

SAMPLE IDENTIFICATION	MW-1	MW-1Z	MW-2	MW-4 Dupl of MW-2	MW-1E	MW-5	MW-1A	MW-1G	MW-1F	MW-1E	FB090209	FB050206	CT VC	CT SWPC
ETPH (ppm)	NA	NA	0.5	ND	NA	NA	NA	9.8	7.7	NA	NA	NA	NE	NE
VOLATILE ORGANICS (ppb)														
METHYLENE CHLORIDE	ND	ND	ND	ND	NA	NA	NA	3 J	ND	ND	NA	ND	NE	48,000
CHLOROFORM		7											50,000	14,100
BENZENE							2 J						287	710
TRICHLOROETHENE													215	2,340
TOLUENE													219	2,340
ETHYLBENZENE													23,500	4,000,000
ISOPROPYLBENZENE						5		320 E	23				50,000	580,000
N-PROPYLBENZENE					5 J	4 J		51	23				NE	NE
1,3,5-TRIMETHYLBENZENE					5 J	4 J		200	28				NE	NE
1,2,4-TRICHLOROETHENE					5 J	4 J		1000 E	23				NE	NE
SEC-BUTYLBENZENE													NE	NE
P-ISOPROPYLTOLUENE								11	4 J				NE	NE
N-BUTYLBENZENE								6					NE	NE
1,2,4-TRIMETHYLBENZENE								75	3 J				NE	NE
NAPHTHALENE								1200	5 J				NE	NE
1,2,3-TRICHLOROETHENE								580 E					NE	NE
ACETONE													NE	NE
2-BUTANONE													50,000	50,000
M+P-XYLENE													50,000	21,300
O-XYLENE													21,300	21,300
INORGANICS (ppb)														
ARSENIC	2.4 B	77.4	3.7 B	10.4	6.1 B	17	12.3	17	17	17.3	NA	NA	NE	4
BARIUM	99.8	7950	109	114	123	666	309	309	666	247			NE	NE
CADMIUM	0.44 B	30.9	45	0.75 B	0.38 B	0.6 B	81	0.6 B	0.86 B	0.38 B	0.49B		NE	6
CHROMIUM	3.7 B	134	23.2	14.9 B	13.6 B	58.8		58.8	73.9	50.9			NE	NE
LEAD	30	10,700	5.1	36	16.6	116	6.6	116	228	62.4			NE	13
MERCURY	0.3	3.6	0.13 B	0.14 B	0.06 B	0.04 B	0.04 B	0.18 B	0.07 B	0.02 B			NE	0.4
SILVER		4.2 B							1.6 B				NE	12

NOTES:
 Monitoring well MW-1E was 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
 ND = Not detected
 NE = Not established under current Connecticut Remediation Standard Regulations.
 J = Analyte concentration reported is greater than the MDL but less than the PCL; the concentration is estimated.
 E = The concentration of the compound exceeds the calibration range of the instrument.
 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



TRC
Customer-Focused Solutions

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

FORMER PETERSON OIL COMPANY
44 RIVER ROAD - MIDDLETOWN, CONNECTICUT

FIGURE 3-1
AREA OF EXCAVATION

Date: 01/02 Project No. 25863-0020

LEGEND

- B-1b ▲ SOIL BORING
- PSS-1 X SURFACE SOIL SAMPLE
- MW-1 (INSTALLED BY TRC)
- MW-M8 (INSTALLED BY MARIN)
- (Dashed) APPROXIMATE FORMER AST LOCATION
- ◐ (Hatched) AREA OF EXCAVATION

NOTE: DRAWING NOT TO SCALE

PETERSON2.FHG

TABLE 3-4

SOIL SAMPLE ANALYTICAL RESULTS (REMEDIATION ACTIVITIES)
 Middletown Brownfields - Peterson Oil Facility
 December 18 and 19, 2001

SAMPLE IDENTIFICATION: SAMPLE DEPTH (ft)	SS-1 5	SS-2 10	SS-3 6	SS-4 4	SS-5 4	SS-6 6	SS-7 6	SS-8 3	SS-9 3	SS-10 3	CT Residential DEC	CT GB PMC
ETPH (ppm)	ND<50	ND<50	ND<50	ND<50	5600	ND<50	ND<50	ND<50	ND<50	ND<50	500	2,500
VOLATILE ORGANICS (ppb)	NA	ND<5.0	44	NA	ND<25	ND<5	NA	NA	NA	NA	500,000*	19,500*
M+P XYLENES		ND<5.0	8.8		150	12					1,000,000	56,000
ISOPROPYLBENZENE		5.1	12		260	5.5					500,000	14,000
N-PROPYLBENZENE		12	33		95	47					500,000	70,000
1,3,5-TRIMETHYLBENZENE		39	82		1600	120					500,000	70,000
1,2,4-TRIMETHYLBENZENE		6.8	9.2		250	ND<5					500,000	14,000
SEC-BUTYLBENZENE		ND<5.0	13		ND<25	8.3					500,000	41,800
4-ISOPROPYLTOLUENE		45	59		ND<25	130					1,000,000	56,000
NAPHTHALENE												

NOTES:

CT Residential DEC = Connecticut Remediation Standard Regulations Residential Direct Exposure Criteria.

CT GB PMC = Connecticut Remediation Standard Regulation GB Pollutant Mobility Criteria.

NA = Not Analyzed

ND = Not Detected

Bold indicates that the reported concentration exceeds one or more of the applicable criteria.

* = Total xylenes

4.0 SUMMARY AND CONCLUSIONS

TRC determined the following as a result of this investigation.

1. The site is underlain by brown, fine to coarse sand, with little to some gravel and little silt. The water table was encountered between 8 and 10 feet below grade in all of the borings. The ground water flow direction is to the southeast across the former Peterson Oil Company site.
2. Phase I and Phase II Environmental Site Assessments had been conducted at the site by Marin in 1998. This work was updated and expanded upon by TRC in 2000. Subsequent to the Phase I update and the Phase III investigation activities in 2000, remedial activities were initiated at the site.
3. Table 3-1 provides a summary of the surface soil sample analytical results. Six surface soil samples (0-1 feet below grade) were collected from the area around the former ASTs used to store petroleum products. The results did not indicate that there were impacts at levels above the RDEC or the GB PMC. Several shallow soil samples (0-3 feet below grade) were collected as part of the Marin investigation in 1998. These shallow soil samples were also collected from the area around the ASTs. The results had indicated TPH and lead impacts at shallow depth intervals near the ASTs, with the greatest impacts adjacent to the southernmost AST (closest to the concrete wall separating the Peterson site from the WWTF). The impacts in this area have subsequently been mitigated by the removal of soils.
4. Table 3-2 summarizes the subsurface soil sample analytical results. There were two areas in which elevated ETPH concentrations were noted. Soil boring B-1B, located at the northern end of the site (in the vicinity of the floor drains) exhibited an ETPH concentration of 650 ppm. An ETPH concentration of 1,700 ppm was exhibited in the area of a former AST (at soil boring location B-4B). Both concentrations exceeded the RDEC, but not the GB PMC. The elevated ETPH concentration noted at B-1B is likely the result of an isolated historic release, as elevated ETPH concentrations were not noted in adjacent borings. Elevated ETPH levels in the soil at B-4B are likely related to a historic surface spill, based on the shallow depth at which the elevated level was encountered. There is also a likely correlation, based on proximity, to elevated ETPH concentrations in B-1 and product observed in MW-1 at the WWTF, located immediately adjacent to the Peterson site.

The results of the subsurface soil sampling conducted as part of the Phase II investigation conducted in 1998 indicated the presence of elevated TPH in a boring advanced in the northwest portion of the AST farm. The sample collected from this boring (B-3) was collected at a depth of 15 to 17 feet below grade, rendering the RDEC irrelevant at this location. In addition, the TPH concentration was below the GB PMC.

All accessible impacted soil in the vicinity of the storm drain/dry well in the southern portion of the property was excavated subsequent to the Phase III investigation. The excavated soils were stockpiled on and covered with plastic sheeting on a remote section of the site. Following the collection of the confirmation samples the excavation was backfilled to grade with on-site soils. One confirmation soil sample, SS-5, located along the southern retaining wall contained high ETPH concentrations. This sample was obtained from soils that could not be removed without threatening the integrity of the retaining wall. The presence of ETPH in sample SS-5 and the presence of free-phase oil in well MW-1 on the WWTF side of the retaining wall indicate that the contamination continues beneath the wall and impacts the WWTF site. TRC recommends that a test pit(s) be excavated on the southern side of the concrete dike to determine the extent of petroleum impact. In addition, TRC recommends the removal and disposal of the stockpiled soils by a licensed hauler.

5. Given the extensive timeframe under which the site had been utilized for bulk petroleum storage, it is likely that there may be several localized areas of impacts remaining. Those conducting work at the site in the future will need to be cognizant of the likelihood that pockets of contamination related to the former presence of petroleum products at the site may be encountered. These "hotspots" may need to be remediated as they are encountered. Based on the quality of the ground water at the site and downgradient of the site, it is TRC's opinion that these hotspots are likely not numerous or significant in size.
6. Table 3-3 lists the concentrations of constituents observed in ground water at the Peterson site. Arsenic was detected in the ground water samples from wells MW-1, MW-3, MW-M3, MW-M6, MW-M7 and MW-M8 at concentrations which exceed the SWPC. Lead was detected in the ground water samples from all of the on-site wells except MW-2 and MW-M4 at concentrations which exceed the SWPC. Cadmium and mercury were also detected at levels above the SWPC in wells MW-1 and MW-M3, respectively. Additional ground water information has been obtained from work conducted by TRC at the adjacent WWTF and work conducted by the USEPA on the site across the street from the Peterson site at the Marino property. The results reported from the ground water sampling efforts at the Peterson site and the WWTF indicate the presence of similar constituents at levels that exceed the applicable criteria in the ground water at both sites. The results obtained from ground water sampling at the Marino site did not yield similar results, indicating that the elevated levels of inorganics observed are likely very localized.

TRC recommends that a quarterly ground water sampling program be implemented at the Peterson site (in conjunction with a program at the WWTF). This sampling program would serve to assess the effects of natural attenuation of the petroleum impacts under post-remediation conditions and provide additional data regarding the metals concentrations in the ground water.

7. As indicated on the site plans, there is a septic tank present in the northern portion of the former Peterson site. Given the potential of the septic system acting as a current or future source of contamination at the site, TRC recommends the removal of the septic tank and its associated piping.

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.

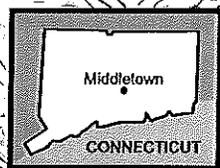
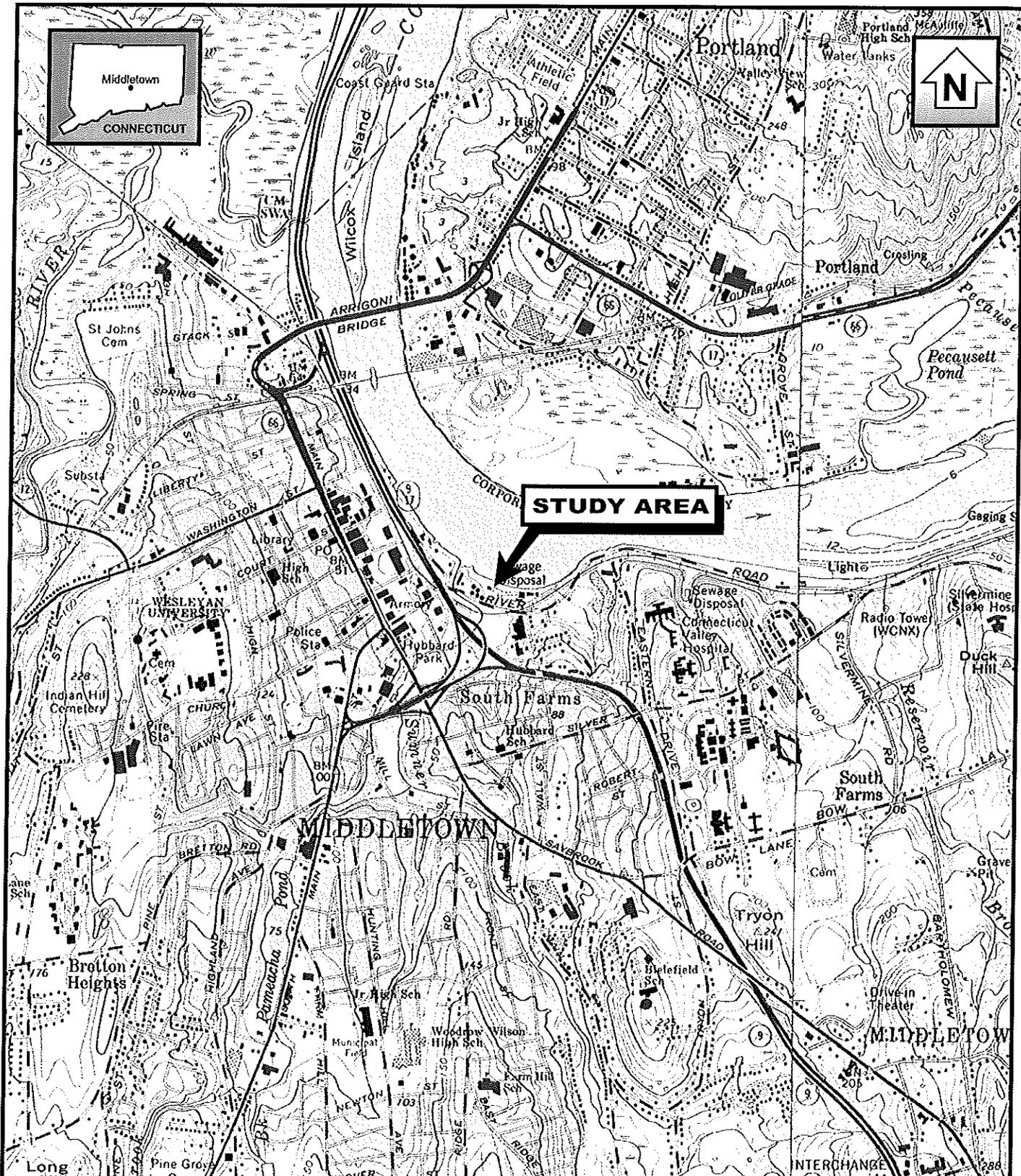
1.0 INTRODUCTION

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.

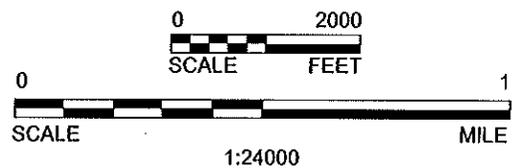
The subject site consists of two properties located on River Road in Middletown, Connecticut. The subject site is comprised of municipal and commercial properties currently zoned ID – Institutional Development. The site assessment included a walkover of the study area grounds and a “drive by” visual 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



1:24000

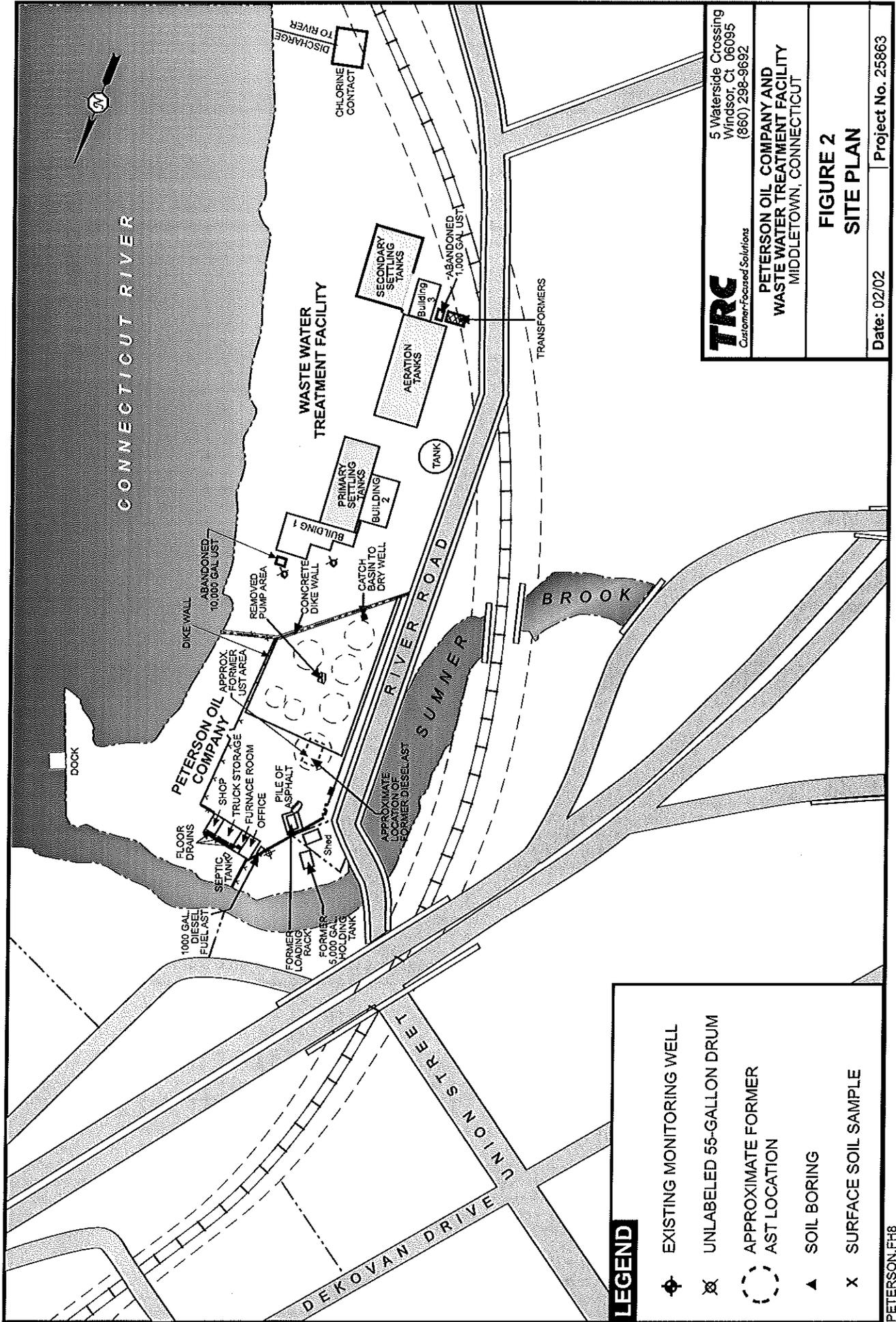
BASE CREATED WITH TOPO™ © 1996 WILDFLOWERS PRODUCTIONS, www.topo.com
 MIDDLETOWN AND MIDDLE HADDAM, CT - 7.5' USGS TOPOGRAPHIC MAPS

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



 TRC Customer Focused Solutions	5 Waterside Crossing Windsor, Ct 06095 (860) 298-9692
	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
	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

INFORMATION: 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.

EPA Comprehensive Environmental Response, Compensation and Liability Investigated Systems Site List-Active (CERCLIS):

- The Marino Property, located at 50 Walnut Street, is listed as an active CERCLA site. According to the report, the last site inspection was on May 4, 1995. No further information was available. This site is situated within one-half mile southeast and in the estimated upgradient direction of the subject site.

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

- Fenner America, located at 400 East Main Street, is listed as an inactive CERCLA site. A preliminary assessment was conducted on May 4, 1990. No further information was available. This site is situated within one mile south/southeast and in the estimated upgradient direction of the subject site.
- North & Judd Inc., located at 56 Pameacha Avenue, is listed as an inactive CERCLA site. The last inspection was performed on August 19, 1992. No further information was available. This site is situated within one mile southwest and in the estimated upgradient direction of the subject site.

RCRA Hazardous Waste Treatment, Storage, Disposal and Generator Sites:

- Sears Roebuck & Co, located at DeKoven Drive and College Street, is listed as a RCRA Notifier. No further information was available. This site is situated within one-quarter mile west/northwest and in the estimated crossgradient direction of the subject site.
- Fenner American Ltd, located at 400 East Main Street, is listed as a Large Quantity Generator and a Storage/Treatment Facility. According to the database report, seven violations have been cited regarding the facility. On April 14, 1995, stabilization measures evaluation was performed by the Environmental Protection Agency (EPA). This site is situated within one mile south/southeast and in the estimated upgradient direction of the subject site.
- North & Judd Inc., located at 56 Pameacha Avenue, is listed as a Land Disposal site. Seventeen (17) violations and three (3) enforcements were reported. Two (2) events pertaining to Corrective Action Data were indicated in the database report. This site is situated within one mile southwest and in the estimated upgradient direction 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.



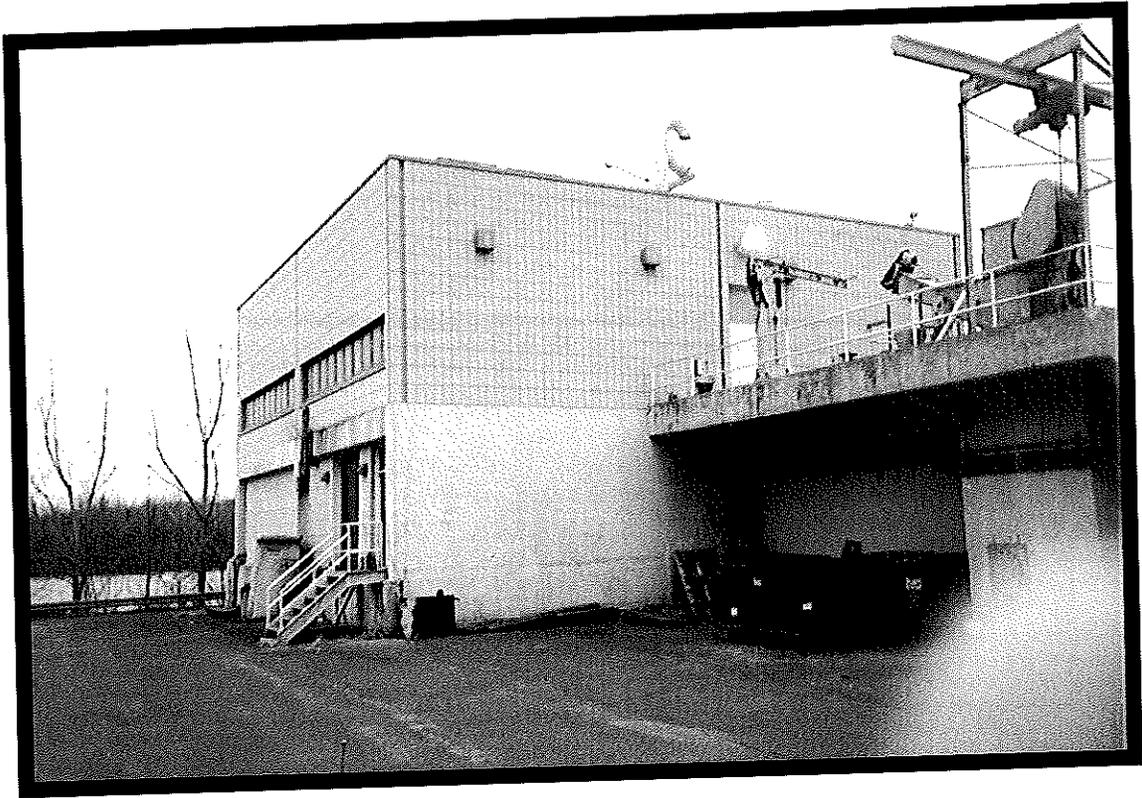


PHOTO E
Waste water treatment facility.

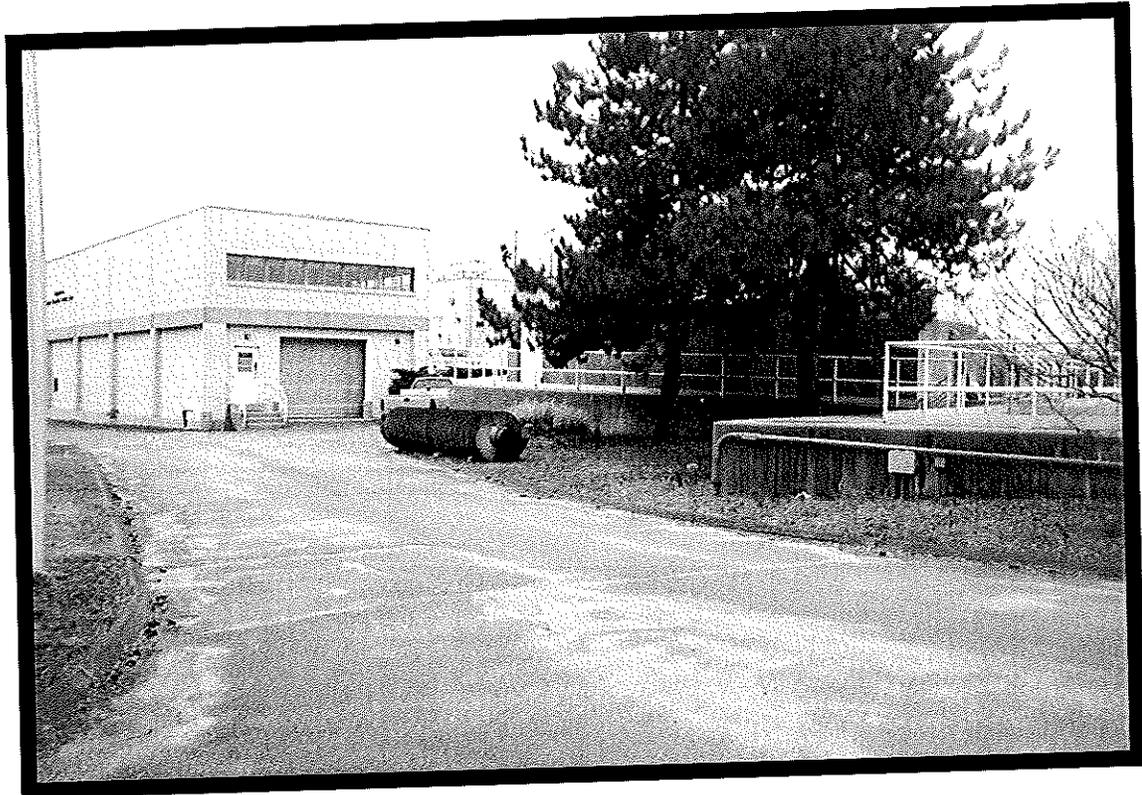


PHOTO F
Waste water treatment facility.



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:

Customer proceeds at its own risk in choosing to rely on EcoSearch Environmental Resources, Inc. ("EcoSearch") services, in whole or in part, prior to proceeding with any transaction. EcoSearch cannot be an insurer of the accuracy of the information, errors occurring in the conversion of data, or for customer's use of the data. EcoSearch and its affiliated companies, officers, agents, employees, and independent contractors cannot be held liable for accuracy, storage, delivery, loss, or expense suffered by the customer resulting directly or indirectly from any information provided by EcoSearch Environmental Resources, Inc.

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.
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* 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

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	0.25
◆	PADS Sites	1.00
◆	TRISites	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



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 1.00
- ◆ SSTS Sites 0.50
- ◆ DOCKET Sites 1.00
- ◆ TSCA Sites 1.00

STATE DATABASES

- HW (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	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
- ▨ 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 1982
- Middle Haddam, CT – 1961
 Photorevised 1984



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 W	mi
2	UST Connecticut Underground Storage Tank 1532	40 UNION ST 40 UNION ST MIDDLETOWN, CT 06457-3414 MIDDLESEX	0.13702 WSW	mi
3	RCRA Generator RCRA Notifier Site CTD983871294	SEARS ROEBUCK & CO DEKOVEN DR & COLLEGE ST MIDDLETOWN, CT 06457 MIDDLESEX	0.24431 WNW	mi
4	UST Connecticut Underground Storage Tank 1588	NORTHERN MIDDLESEX YMCA 99 UNION ST MIDDLETOWN, CT 06457-3427 MIDDLESEX	0.24654 WSW	mi
5A	CERCLA CERCLA Site CTD062199369	MARINO PROPERTY 50 WALNUT ST MIDDLETOWN, CT 06457-3848 MIDDLESEX	0.31453 SE	mi
5B	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 950	MARINO PROPERTY 50 WALNUT ST MIDDLETOWN, CT 06457-3848 MIDDLESEX	0.31453 SE	mi
6	LUST Connecticut Leaking Underground Storage Tank 1412	PERSONAL AUTO CARE 168 E MAIN ST MIDDLETOWN, CT 06457-3809 MIDDLESEX	0.42142 S	mi
7	LUST Connecticut Leaking Underground Storage Tank 1411	U.S. POST OFFICE 11 SILVER ST MIDDLETOWN, CT 06457-9998 MIDDLESEX	0.46776 SSE	mi
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 S	mi
9	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 2526	LIBERTY LTD. PARTNERSHIP 605 MAIN ST MIDDLETOWN, CT 06457-2730 MIDDLESEX	0.55138 WNW	mi
10	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 1982	WITCO CORP 1 BROWNSTONE AVE PORTLAND, CT 06480-1942 MIDDLESEX	0.59784 N	mi
11	PADS PCB Activity Database Site CTD000000006	CONNECTICUT VALLEY HOSPITAL SILVER ST MIDDLETOWN, CT 06450	0.64615 ESE	mi
			Manually Geocoded*	
12	IHW (HWS) Connecticut Inventory of Hazardous Waste Sites 671	KANDU MFG (NEW LOCATION) BROWNSTONE IND. PARK PORTLAND, CT	0.65396 NNE	mi
			Agency Provided LaU/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 SW	mi
			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 ECO145	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 (HWS) 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>		

CERCLA Archive Data

Delisted Comprehensive Environmental Response, Compensation, and Liability Act Sites (Archive Sites)

Map ID#:	16	Distance (mi):	0.764913	Facility Name:	KANDU MANUFACTURING (FORMER LOCATION)	
		Direction:	N	Address:	77 BROWNSTONE AVENUE	
EPA ID#:	CTD052537826			City, State, Zip:	PORTLAND, CT 06480	
CERCLIS Site ID#:	0101804			County:	MIDDLESEX	
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned				Hydro Unit:	01080205
Federal Facility Indicator:	Not a Federal Facility			Site Incident Category:	Not Reported	
Ownership Indicator:	Private					
Comments:	Not Reported					
NPL Status:	Not on the NPL					
RCRIS Facility Indicator:	Not Reported					
				<u>Date Started</u>	<u>Date Completed</u>	
<u>Event</u>				Not Reported	1988-08-19	
DISCOVERY				Not Reported	1989-03-09	
PRELIMINARY ASSESSMENT				1995-08-16	1996-03-22	
SITE INSPECTION						

Map ID#:	17D	Distance (mi):	0.795726	Facility Name:	FENNER AMERICA, LTD	
		Direction:	SSE	Address:	400 EAST MANI STREET	
EPA ID#:	CTD052542669			City, State, Zip:	MIDDLETOWN, CT 06457	
CERCLIS Site ID#:	0101816			County:	MIDDLESEX	
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned				Hydro Unit:	01080205
Federal Facility Indicator:	Not a Federal Facility			Site Incident Category:	Not Reported	
Ownership Indicator:	Unknown					
Comments:	Not Reported					
NPL Status:	Not on the NPL					
RCRIS Facility Indicator:	Yes (RCRA Facility)					
				<u>Date Started</u>	<u>Date Completed</u>	
<u>Event</u>				Not Reported	1989-01-24	
DISCOVERY				Not Reported	1990-04-04	
PRELIMINARY ASSESSMENT						

Map ID#:	19	Distance (mi):	0.849383	Facility Name:	KANOU MANUFACTURING (NEW LOCATION)	
		Direction:	NE	Address:	304 AIRLINE AVENUE	
EPA ID#:	CTD983869900			City, State, Zip:	PORTLAND, CT 06480	
CERCLIS Site ID#:	0101855			County:	MIDDLESEX	
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned				Hydro Unit:	01080205
Federal Facility Indicator:	Not a Federal Facility			Site Incident Category:	Not Reported	
Ownership Indicator:	Private					
Comments:	Not Reported					
NPL Status:	Not on the NPL					
RCRIS Facility Indicator:	Not Reported					
				<u>Date Started</u>	<u>Date Completed</u>	
<u>Event</u>				Not Reported	1988-10-20	
DISCOVERY				Not Reported	1988-12-30	
PRELIMINARY ASSESSMENT				1995-08-16	1996-03-20	
SITE INSPECTION						

Map ID#:	21C	Distance (mi):	0.871918	Facility Name:	NORTH & JUDD/G & W	
		Direction:	SW	Address:	58 PAMEACHA AVENUE	
EPA ID#:	CTD021814207			City, State, Zip:	MIDDLETOWN, CT 06457	
CERCLIS Site ID#:	0102622			County:	MIDDLESEX	
Status:	This site has been delisted from CERCLIS No Further Remedial Action Planned				Hydro Unit:	01080205
Federal Facility Indicator:	Not a Federal Facility			Site Incident Category:	Not Reported	
Ownership Indicator:	Unknown					
Comments:	Not Reported					
NPL Status:	Not on the NPL					
RCRIS Facility Indicator:	Environmental Priority Initiative Site					
				<u>Date Started</u>	<u>Date Completed</u>	
<u>Event</u>				Not Reported	1991-07-26	
DISCOVERY				Not Reported	1992-08-19	
PRELIMINARY ASSESSMENT						

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#:	CTD983871294			City, State, Zip:	MIDDLETOWN	CT 06457
Status:	RCRA Notifier (Former RCRA Site)					
				SIC Code:		
Land Type:	Private Land			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					
				SIC Code:	2241	
Land Type:	Unknown			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

En. #:	19850827	Agency: State	Type: Initial 3008(a) Compliance Order	Date:	08/27/1985
En. #:	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 (mi): **0.871918** Name: **NORTH & JUDD INC**
 Direction: **SW** Address: **56 PAMEACHA AVE** CT 06457
 EPA ID#: **CTD021814207** City, State, Zip: **MIDDLETOWN**
 Status: **Land Disposal Site**
 Land Type: **Unknown** SIC Code: **3362**
 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
19930126	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

Erf. #	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	06/21/1994

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		

TSCA Data

Toxic Substances Control Act Sites Data

Map ID#: 14

Distance (mi): 0.701416

Name:

CHEVRON U.S.A. INC.

Direction: N

Address:

51 BROWNSTONE AVE

Agency ID: 006951V

City, State, Zip:

PORTLAND, CT 06480

Additional Remarks: PORTLAND(CT) PLANT

CAS Number

Production Volume per Year

Reported Chemical Name

Not Reported

Connecticut IHW Data

Connecticut Inventory of Hazardous Waste Sites List Data

Map ID#:	5B	Distance (mi):	0.31453	Name:	MARINO PROPERTY
Agency ID:	950	Direction:	SE	Address:	50 WALNUT STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater Waste Type:	GB LIQUID CHEMICALS			Disposal Type:	Not Reportec
Map ID#:	9	Distance (mi):	0.55138	Name:	LIBERTY LTD. PARTNERSHIP
Agency ID:	2526	Direction:	WNW	Address:	605 MAIN STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater Waste Type:	Not Reported Not Reported			Disposal Type:	Not Reportec
Map ID#:	10	Distance (mi):	0.59784	Name:	WITCO CORP
Agency ID:	1982	Direction:	N	Address:	1 BROWNSTONE AVENUE
				City, State Zip:	PORTLAND, CT 06480
Groundwater Waste Type:	GB Not Reported			Disposal Type:	Not Reportec
Map ID#:	12	Distance (mi):	0.65396	Name:	KANDU MFG (NEW LOCATION)
Agency ID:	671	Direction:	NNE	Address:	BROWNSTONE IND. PARK
				City, State Zip:	PORTLAND, CT
Groundwater Waste Type:	GB SOLVENTS			Disposal Type:	TO GROUND
Map ID#:	13	Distance (mi):	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 Waste Type:	Not Reported Not Reported			Disposal Type:	Not Reportec
Map ID#:	15	Distance (mi):	0.74725	Name:	RUSSELL SQUARE ASSOCIATES
Agency ID:	3099	Direction:	SSE	Address:	395 EAST MAIN STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater Waste Type:	GB Not Reported			Disposal Type:	Not Reportec
Map ID#:	17B	Distance (mi):	0.79573	Name:	FENNER AMERICA, LTD
Agency ID:	707	Direction:	SSE	Address:	400 EAST MAIN STREET
				City, State Zip:	MIDDLETOWN, CT 06457
Groundwater Waste Type:	GA SOLVENTS			Disposal Type:	SOIL AND GROUNDWATER

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 Reportec
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 Reportec
Waste Type:	Not Reported				

Connecticut SWF Data
Connecticut Solid Waste Facilities Data

Map ID#:	18	Distance (m):	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>	NFA	Resp. Party Paid	
02/02/89	STEEL/UNKNOWN	Gasoline	Yes	Yes	SOIL REMOVAL	Yes	No	
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>	NFA	Resp. Party Paid	
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	
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>	NFA	Resp. Party Paid	
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 (m):** 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 (m):** 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 (m):** 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 missing addresses. Without proper addresses, it is more difficult to locate and map these sites.

Instead of leaving these potentially important sites out of the manually generated maps, we implement a painstaking manual geocoding strategy aimed at plotting the sites. The sites are identified at zip codes, city names, and county names identified with the radius and address. The zip codes, cities, and counties searched are identified on the EcoSearch Site List.

Our sophisticated mapping software, enhanced TIGER street maps, and other processing methods find and plot most environmental sites. We then plot those sites the computer fails to find using a variety of resources. These resources include a collection of paper maps, directories, cross-referencing database information from state and federal government, or the sites themselves to accurately locate environmental sites. We also identify TIGER street map errors and omissions.

This effort at manual geocoding results in a short or non-existent orphaned list of sites, reducing the accuracy and reliability of the data in our reports. The EcoSearch Institute has the advantage of all previous geocoding work that has been done providing a more complete and instantaneous list. The potential remains that an order can be placed in the field, thus resulting in more unmappable sites than typically associated with an environmental site.

The limited number of sites which could not be reasonably found through the manual geocoding process are presented in this section for further review to assess their impact on the environment.

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

Unmappable Sites

<u>Database</u>	<u>Agency ID#</u>	<u>Site Name and Address</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 CONTAIN 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 CONSTRUCTIO 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
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
RCRA Generator RCRA Small Quantity Generator	CTD983895624	WESLEYAN UNIVERSITY HALL ATWA LAWN AVE MIDDLETOWN, CT 06457
RCRA Generator RCRA Notifier Site	CTR000005702	WADSWORTH FALLS STATE PARK ROUTE 157 MIDDLETOWN, CT 06457
CORRACTS RCRA CORRACTS (Corrective Action) Site	CTD003935905	PRATT & WHITNEY MIDDLETOWN AIRCRAFT RD MIDDLETOWN, CT 06457
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

Unmappable Sites

<u>Database</u>	<u>Agency ID#</u>	<u>Site Name and Address</u>
UST Connecticut Underground Storage Tank	1438	WOODROW WILSON MIDDLE SCHOOL 1 WILDERMAN WAY MIDDLETOWN, CT 06457-2114
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
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 PL 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

Unmappable Sites

Database

PADS
PCB Activity Database Site

Agency ID#

CTD003935905

Site Name and Address

UNITED TECH PRATT & WHITNEY
AIRCRAFT RD
MIDDLETOWN, CT 06457

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#: **11UN** Distance (mi): **0.000000**
 Direction:
 EPA ID#: **CTD003935905**
 Status: **Large Quantity Generator Land Disposal Site Storage/Treatment Facility**

Name: **PRA**
 Address: **AIR**
 City, State, Zip: **MID**

Land Type: **Private Land**

SIC Code: **3728**
 Contact Name: **GEORGE**
 Contact Phone: **203-565-**

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	19840321001	Agency:	State
Eval. #:	19840321003	Agency:	Oversight-by-EPA
Eval. #:	19840322002	Agency:	State
Eval. #:	19850607004	Agency:	State
Eval. #:	19860926005	Agency:	State
Eval. #:	19860926006	Agency:	State
Eval. #:	19870225008	Agency:	Oversight-by-EPA
Eval. #:	19870514007	Agency:	State
Eval. #:	19880930009	Agency:	Oversight-by-EPA
Eval. #:	19890815010	Agency:	State
Eval. #:	19900906011	Agency:	State
Eval. #:	19900927012	Agency:	EPA Personnel
Eval. #:	19910808	Agency:	EPA Personnel
Eval. #:	19920529	Agency:	State
Eval. #:	19920908	Agency:	State
Eval. #:	19930913	Agency:	State
Eval. #:	19960910	Agency:	State
Eval. #:	19970627	Agency:	EPA Personnel
Eval. #:	19980105	Agency:	EPA Personnel
Eval. #:	19980128	Agency:	State
Eval. #:	19990603	Agency:	State

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
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
Viol. #:	CTD003935905S0003	Violation Type:	TSD - Closure / Post-Closure Requirements
Viol. #:	CTD003935905S0004	Violation Type:	TSD - Other Requirement

RCRA TSD and Generators Data

Facility and Compliance Information

Viol. #:	CTD003935905S0018	Violation Type:	TSD - Land Ban Requirements
Viol. #:	CTD003935905S0019	Violation Type:	TSD - Groundwater Monitoring Requirements
Viol. #:	CTD003935905S0020	Violation Type:	Generator - Any Requirements
Viol. #:	CTD003935905S0022	Violation Type:	TSD - Other Requirement
Viol. #:	CTD003935905S0023	Violation Type:	TSD - Other Requirement
Viol. #:	CTD003935905S0024	Violation Type:	TSD - Other Requirement
Viol. #:	CTD003935905S0025	Violation Type:	TSD - Groundwater Monitoring Requirements
Viol. #:	CTD003935905S0026	Violation Type:	TSD - Groundwater Monitoring Requirements
Viol. #:	CTD003935905X0001	Violation Type:	TSD - Groundwater Monitoring Requirements
Viol. #:	CTD003935905X0010	Violation Type:	TSD - Groundwater Monitoring Requirements
Viol. #:	CTD003935905X0011	Violation Type:	TSD - Other Requirement

ENFORCEMENTS

Enf. #:	19841001004	Agency:	EPA	Type:	Referral from EPA to State
			Oversight		
Enf. #:	19850607005	Agency:	State	Type:	Written Informal
Enf. #:	19850822007	Agency:	State	Type:	Written Informal
Enf. #:	19870622017	Agency:	EPA	Type:	Initial 3008(a) Compliance Order
			Oversight		
Enf. #:	19880802019	Agency:	EPA	Type:	Final 3008(a) Compliance Order
			Oversight		
Enf. #:	19900904024	Agency:	EPA	Type:	Civil Action for Compliance
Enf. #:	19910401036	Agency:	EPA	Type:	Civil Action for Compliance
Enf. #:	19931019	Agency:	EPA	Type:	Final Judicial -- Consent Decrees
Enf. #:	19940307	Agency:	State	Type:	Written Informal
Enf. #:	19961213	Agency:	State	Type:	Written Informal
Enf. #:	19980628	Agency:	State	Type:	Written Informal
Enf. #:	19990930	Agency:	EPA	Type:	Initial 3008(a) Compliance Order

RAATS (RCRA Administrative Action Tracking System)

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and

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

Event Date	Event Description	Agency	Program
08/24/1987	RFA Completed	EPA	
09/29/1988	RFI Imposition	EPA	
09/30/1991	RFI Workplan Approved	EPA	
10/01/1991	Corrective Action Prioritization	EPA	RCRA
07/17/1992	Stabilization Measures Evaluation	EPA	RCRA
07/07/1992	Stabilization Measures Implemented	EPA	RCRA

RCRA TSD and Generators Data

Facility and Compliance Information

Map ID#:	12UN	Distance (mi):	0.000000	Name:	WE
EPA ID#:	CTD983895624	Direction:		Address:	LAV
Status:	Small Quantity Generator			City, State, Zip:	MID
Land Type:	Private Land			SIC Code:	
				Contact Name:	DONALD
				Contact Phone:	203-347

RCRA Evaluation / Violation / Enforcement Data

No Compliance Information Reported

RAATS (RCRA Administrative Action Tracking System)

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and

No Corrective Action Instrument Information for this Site

Map ID#:	13UN	Distance (mi):	0.000000	Name:	WA
EPA ID#:	CTR000005702	Direction:		Address:	ROU
Status:	RCRA Notifier (Former RCRA Site)			City, State, Zip:	MID
Land Type:	State Land			SIC Code:	
				Contact Name:	ENVR E
				Contact Phone:	999-999-

RCRA Evaluation / Violation / Enforcement Data

EVALUATIONS

Eval. #:	19980720	Agency:	State
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RAATS (RCRA Administrative Action Tracking System)

No RAATS Information Reported for this Site

RCRA Corrective Action Data (CORRACTS) Instrument and

No Corrective Action Instrument Information for this Site

RCRA Corrective Action Data (COR)

Instrument and Events Data

Map ID#:	1411N	Distance (mi):	0.00
		Direction:	
EPA ID#:	CTD003935905	Name:	PRATT
		Address:	AIRCRA
Instrument Type:	Operating Permit	City, State Zip:	MIDDLE
Effective Date:	09/29/1988	Responsible Agency:	EPA
Issuance Date:	09/29/1988	Responsible Program:	Not Rep
Revocation Date:	Not Reported		

Legal Authority	Corrective Action
RCRA 3004(u) or equivalent	ENTIRE

Event Information

Event Date	Event Description	Agency	Program
09/18/1996	Human Exposures Controlled Determination	EPA	RCRA
09/18/1996	Groundwater Releases Controlled Determination	EPA	RCRA
09/16/1996	Stabilization Measures Implemented	EPA	RCRA
10/16/1995	Stabilization Measures Implemented	EPA	RCRA
06/30/1995	Stabilization Construction Completed	EPA	RCRA
09/01/1993	Stabilization Construction Completed	EPA	RCRA
08/17/1993	Stabilization Measures Implemented	EPA	RCRA
07/07/1993	Stabilization Measures Implemented	EPA	RCRA
07/17/1992	Stabilization Measures Evaluation	EPA	RCRA
10/01/1991	Corrective Action Prioritization	EPA	RCRA
09/30/1991	RFI Workplan Approved	EPA	Not Report
09/29/1988	RFI Imposition	EPA	Not Report
08/24/1987	RFA Completed	EPA	Not Report

PADS Data

PCB Activity Database Data

Map ID#:	37UN	Distance (mi):	0.000000	Name:	UNITED
		Direction:		Address:	AIRCRA
EPA ID:	CTD003935905			City, State, Zip:	MIDDLE
				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#: **9UN** Distance: **0.000000**
Direction:
Agency ID: **06457PRTTWAIRCR** Name: **PRATT & WHITNEY**
EPA ID#: **CTD003935905** Address: **AIRCRAFT RD.**
SIC Code: **3724** City, State, Zip: **MIDDLETOWN, CT**

Submission Year: **1987** Substance: **HYDRAZINE**
Maximum Amount On Site (lbs): **10,000 TO 99,999**
Amount Released or Transported Previous Year (lbs)
Air Water Underground Land Pub. Owned Treatment
600.00 0.00 0.00 0.00 0.00

Submission Year: **1987** Substance: **COBALT COMPOUNDS**
Maximum Amount On Site (lbs): **100,000 TO 999,999**
Amount Released or Transported Previous Year (lbs)
Air Water Underground Land Pub. Owned Treatment
15.00 13.00 0.00 120.00 0.00

Submission Year: **1987** Substance: **SODIUM HYDROXIDE (SOLUTION)**
Maximum Amount On Site (lbs): **10,000 TO 99,999**
Amount Released or Transported Previous Year (lbs)
Air Water Underground Land Pub. Owned Treatment
706.00 0.00 0.00 0.00 0.00

Submission Year: **1987** Substance: **SULFURIC ACID**
Maximum Amount On Site (lbs): **100,000 TO 999,999**
Amount Released or Transported Previous Year (lbs)
Air Water Underground Land Pub. Owned Treatment
6,320.00 0.00 0.00 0.00 0.00

Submission Year: **1987** Substance: **NITRIC ACID**
Maximum Amount On Site (lbs): **10,000 TO 99,999**
Amount Released or Transported Previous Year (lbs)
Air Water Underground Land Pub. Owned Treatment
940.00 0.00 0.00 0.00 0.00

Submission Year: **1987** Substance: **HYDROCHLORIC ACID (1995 AND AFTER "A**
Maximum Amount On Site (lbs): **100,000 TO 999,999**
Amount Released or Transported Previous Year (lbs)
Air Water Underground Land Pub. Owned Treatment
2,760.00 0.00 0.00 0.00 0.00

Submission Year: **1987** Substance: **FREON 113**
Maximum Amount On Site (lbs): **10,000 TO 99,999**
Amount Released or Transported Previous Year (lbs)
Air Water Underground Land Pub. Owned Treatment

TRI Data

Toxic Release Inventory Data

Submission Year: 1987 Substance: ALUMINUM OXIDE (FIBROUS FORMS)
Maximum Amount On Site (lbs): 100,000 TO 999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
4,900.00	0.00	0.00	9,400.00	0.00

Submission Year: 1987 Substance: NICKEL COMPOUNDS
Maximum Amount On Site (lbs): 100,000 TO 999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
320.00	310.00	0.00	35,000.00	0.00

Submission Year: 1987 Substance: 1,1,1-TRICHLOROETHANE
Maximum Amount On Site (lbs): 100,000 TO 999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
360,320.00	0.00	0.00	0.00	0.00

Submission Year: 1987 Substance: CHROMIUM COMPOUNDS
Maximum Amount On Site (lbs): 100,000 TO 999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
160.00	150.00	0.00	14,000.00	0.00

Submission Year: 1988 Substance: 1,1,1-TRICHLOROETHANE
Maximum Amount On Site (lbs): 100,000 TO 999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
310,000.00	0.00	0.00	0.00	0.00

Submission Year: 1988 Substance: ALUMINUM OXIDE (FIBROUS FORMS)
Maximum Amount On Site (lbs): 100,000 TO 999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
1,380.00	73.00	0.00	4,400.00	0.00

Submission Year: 1988 Substance: CHROMIUM COMPOUNDS
Maximum Amount On Site (lbs): 1,000,000 TO 9,999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
243.00	48.00	0.00	18,000.00	0.00

Submission Year: 1988 Substance: COBALT
Maximum Amount On Site (lbs): 100,000 TO 999,999
Amount Released or Transported Previous Year (lbs):

TRI Data

Toxic Release Inventory Data

Submission Year: 1989 Substance: FREON 113
Maximum Amount On Site (lbs): 10,000 TO 99,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
16,000.00	0.00	0.00	0.00	0.00

Submission Year: 1989 Substance: HYDRAZINE
Maximum Amount On Site (lbs): 1,000 TO 9,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
16.00	0.00	0.00	16.00	0.00

Submission Year: 1989 Substance: HYDROCHLORIC ACID (1995 AND AFTER "A")
Maximum Amount On Site (lbs): 10,000 TO 99,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
710.00	0.00	0.00	0.00	0.00

Submission Year: 1989 Substance: NICKEL
Maximum Amount On Site (lbs): 1,000,000 TO 9,999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
440.00	31.00	0.00	28,000.00	0.00

Submission Year: 1989 Substance: NITRIC ACID
Maximum Amount On Site (lbs): 1,000 TO 9,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
523.00	0.00	0.00	0.00	0.00

Submission Year: 1989 Substance: SULFURIC ACID
Maximum Amount On Site (lbs): 10,000 TO 99,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
928.00	0.00	0.00	0.00	0.00

Submission Year: 1990 Substance: CHROMIUM
Maximum Amount On Site (lbs): 1,000,000 TO 9,999,999
Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
299.00	32.00	0.00	0.00	0.00

Submission Year: 1990 Substance: COBALT
Maximum Amount On Site (lbs): 100,000 TO 999,999

Amount Released or Transported Previous Year (lbs):

TRI Data

Toxic Release Inventory Data

Submission Year: 1990 Substance: HYDROCHLORIC ACID (1995 AND AFTER "A")
Maximum Amount On Site (lbs): 10,000 TO 99,999

Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
777.00	0.00	0.00	0.00	0.00

Submission Year: 1990 Substance: NICKEL
Maximum Amount On Site (lbs): 1,000,000 TO 9,999,999

Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
640.00	49.00	0.00	0.00	0.00

Submission Year: 1990 Substance: NITRIC ACID
Maximum Amount On Site (lbs): 1,000 TO 9,999

Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
1,060.00	0.00	0.00	0.00	0.00

Submission Year: 1990 Substance: SULFURIC ACID
Maximum Amount On Site (lbs): 10,000 TO 99,999

Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
40.00	0.00	0.00	0.00	0.00

Submission Year: 1990 Substance: 1,1,1-TRICHLOROETHANE
Maximum Amount On Site (lbs): 100,000 TO 999,999

Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
290,000.00	0.00	0.00	0.00	0.00

Submission Year: 1991 Substance: 1,1,1-TRICHLOROETHANE
Maximum Amount On Site (lbs): 100,000 TO 999,999

Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
230,000.00	0.00	0.00	0.00	0.00

Submission Year: 1991 Substance: CHROMIUM
Maximum Amount On Site (lbs): 1,000,000 TO 9,999,999

Amount Released or Transported Previous Year (lbs):

Air	Water	Underground	Land	Pub. Owned Treatment
216.00	47.00	0.00	0.00	0.00

Submission Year: 1991 Substance: COBALT
Maximum Amount On Site (lbs): 10,000 TO 99,999

Amount Released or Transported Previous Year (lbs):

TRI Data

Toxic Release Inventory Data

Submission Year:	1992	Substance:	SULFURIC ACID		
		Maximum Amount On Site (lbs):	10,000 TO 99,999		
			Amount Released or Transported Previous Year (lbs):		
Air	Water	Underground	Land	Pub. Owned Treatment	
13.00	0.00	0.00	0.00	0.00	
Submission Year:	1993	Substance:	1,1,1-TRICHLOROETHANE		
		Maximum Amount On Site (lbs):	100,000 TO 999,999		
			Amount Released or Transported Previous Year (lbs):		
Air	Water	Underground	Land	Pub. Owned Treatment	
190,000.00	0.00	0.00	0.00	0.00	
Submission Year:	1993	Substance:	CHROMIUM		
		Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999		
			Amount Released or Transported Previous Year (lbs):		
Air	Water	Underground	Land	Pub. Owned Treatment	
120.00	20.00	0.00	0.00	0.00	
Submission Year:	1993	Substance:	COBALT		
		Maximum Amount On Site (lbs):	10,000 TO 99,999		
			Amount Released or Transported Previous Year (lbs):		
Air	Water	Underground	Land	Pub. Owned Treatment	
27.00	0.00	0.00	0.00	0.00	
Submission Year:	1993	Substance:	COPPER		
		Maximum Amount On Site (lbs):	10,000 TO 99,999		
			Amount Released or Transported Previous Year (lbs):		
Air	Water	Underground	Land	Pub. Owned Treatment	
4.00	44.00	0.00	0.00	0.00	
Submission Year:	1993	Substance:	NICKEL		
		Maximum Amount On Site (lbs):	1,000,000 TO 9,999,999		
			Amount Released or Transported Previous Year (lbs):		
Air	Water	Underground	Land	Pub. Owned Treatment	
251.00	31.00	0.00	0.00	0.00	
Submission Year:	1993	Substance:	SULFURIC ACID		
		Maximum Amount On Site (lbs):	10,000 TO 99,999		
			Amount Released or Transported Previous Year (lbs):		
Air	Water	Underground	Land	Pub. Owned Treatment	
16.00	0.00	0.00	0.00	0.00	
Submission Year:	1993	Substance:	PHOSPHORIC ACID		
		Maximum Amount On Site (lbs):	10,000 TO 99,999		
			Amount Released or Transported Previous Year (lbs):		

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	
220.00	9.00	0.00	0.00	0.00	
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	
141.00	4.00	0.00	0.00	0.00	
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	
21.00	0.00	0.00	0.00	0.00	
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	
11.00	15.00	0.00	0.00	0.00	
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	
223.00	8.00	0.00	0.00	0.00	
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	
49.00	8.00	0.00	0.00	0.00	
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	
410.00	34.00	0.00	0.00	0.00	
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>		

DOCKET Data

Civil Enforcement Docket

Map ID#: **10UN** Distance (mi): **0.000000**
Direction:
Docket Number: **01-89-0017C** Case Name: **UNITED TECHNOLOGIES CORP**
Federal Penalty Assessed: **\$4,251,910**
Cost Recovery Charged: **\$0** Case Result:

<u>Law Reported Violated</u>	<u>Section</u>	<u>Violation Type</u>
Resource Conservation and Recovery Act	3002	Groundwater monitoring
Resource Conservation and Recovery Act	3004	Required records maintenance
Resource Conservation and Recovery Act	3008A	General facility requirements
Resource Conservation and Recovery Act	3008C	

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

CTD000844332 / PRATT & WHITNEY AIRCRAFT GROUP / 45 NEWELL ST /
CTD000844399 / PRATT & WHITNEY WATER TP / COLT ST / EAST HA
CTD001145341 / HAMILTON STANDARD / 1 HAMILTON RD / WINDSO
CTD001149277 / PRATT & WHITNEY AIRCRAFT GP / AIRCRAFT RD / SO
CTD001449511 / PRATT & WHITNEY AIRCRAFT GRO / 415 WASHINGTON AVE
CTD001449784 / SIKORSKY AIRCRAFT DIV / 6900 MAIN ST / STRA
CTD003935905 / UNITED TECHNOLOGIES CORP / AIRCRAFT RD / MID
CTD990672081 / PRATT & WHITNEY / 400 MAIN ST / EAST HART

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

Date	Type / Gallons	Substance	Removed	Uncontrolled Release
09/10/92	30,000/STEEL	Heating Fuel	Yes	Yes
06/30/94	1000/STEEL	Heating Fuel	Yes	Yes

Map ID#: 2UN **Distance (mi):** 0.00000
Direction:
Agency ID: 1427
Name: SNOW SCHOOL
Address: WADSWORTH ST.
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release
12/01/88	STEEL/UNKNOWN	OIL	Yes	Yes

Map ID#: 3UN **Distance (mi):** 0.00000
Direction:
Agency ID: 1607
Name: JACKSON CORRUGATED CONTAINER
Address: 0
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release
11/03/88	STEEL/UNKNOWN	Heating Fuel	Yes	No

Map ID#: 4UN **Distance (mi):** 0.00000
Direction:
Agency ID: 2874
Name: PRATT & WHITNEY
Address: AIRPORT RD.
City, State, Zip: MIDDLETOWN, CT 06457

Date	Type / Gallons	Substance	Removed	Uncontrolled Release
11/03/88	STEEL/UNKNOWN	Heating Fuel	Yes	Yes
12/15/88	STEEL/UNKNOWN	JET A	Yes	Yes

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

Date	Type / Gallons	Substance	Removed	Uncontrolled Release
02/14/90	2000/STEEL	Heating Fuel	Yes	Yes

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

Date	Type / Gallons	Substance	Removed	Uncontrolled Release
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Connecticut LUST Data

Connecticut Leaking Underground Storage Tank Data

03/28/95	3000/STEEL	Gasoline	Yes	Yes	S
Map ID#:	8UN	Distance (mi):	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>	
08/20/94	10000/FRP	Heating Fuel	No	Yes	F

Connecticut UST Data

Connecticut Registered Underground Storage Tank

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

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

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline

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

Agency ID: 11003
Name: CENNACLE MIDDLETOWN Owner:
Address: WADSWORTH AVE Owner Address:
City, State, Zip: MIDDLETOWN, CT 06457 City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil

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

Agency ID: 1423
Name: SPENCER SCHOOL Owner:
Address: WESTFIELD ST Owner Address:
City, State, Zip: MIDDLETOWN, CT 06457 City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
3	Currently In Use	Cathodically Protected Steel	Heating Oil

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

Agency ID: 1429
Name: WESLEY SCHOOL Owner:
Address: WESLEYAN HILLS RD Owner Address:

Connecticut UST Data

Connecticut Registered Underground Storage Tank

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

Direction:

Agency ID: 1438
Name: WOODROW WILSON MIDDLE SCHOOL
Address: ONE TIGER LANE
City, State, Zip: MIDDLETOWN, CT 06457

Owner:
Owner Address:
City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Currently In Use	Asphalt Coated or Bare Steel	Propane
3	Currently In Use	Cathodically Protected Steel	Heating Oil
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
5	Currently In Use	Cathodically Protected Steel	Heating Oil

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

Direction:

Agency ID: 1442
Name: LAWRENCE SCHOOL
Address: MILE LANE
City, State, Zip: MIDDLETOWN, CT 06457

Owner:
Owner Address:
City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline

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

Direction:

Agency ID: 1527
Name: RIVERVIEW CENTER
Address: 100 RIVERVIEW CENTER
City, State, Zip: MIDDLETOWN, CT 06457

Owner:
Owner Address:
City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Used Oil

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

Direction:

Agency ID: 1530
Name: TILCON TOMASSO, INC.
Address: HARBOR DR., WATER ST

Owner:
Owner Address:

Connecticut UST Data

Connecticut Registered Underground Storage Tank

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

Agency ID: **1541**
Name: **A. BRAZOS & SONS, INC.** Owner:
Address: **RANDOLPH ROAD** Owner Address:
City, State, Zip: **MIDDLETOWN, CT 06457** City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline

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

Agency ID: **1552**
Name: **STARR MILL** Owner:
Address: **BEVERLY HEIGHTS** Owner Address:
City, State, Zip: **MIDDLETOWN, CT 06457** City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Currently In Use	Cathodically Protected Steel	Heating Oil

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

Agency ID: **1579**
Name: **MEADOWAY APARTMENTS** Owner:
Address: **ROSE CIRCLE** Owner Address:
City, State, Zip: **MIDDLETOWN, CT 06457** City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
5	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
6	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil
7	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
8	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
9	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil
10	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil
11	Currently In Use	Cathodically Protected Steel	Heating Oil

Connecticut UST Data

Connecticut Registered Underground Storage Tank

Map ID#: **26UN** Distance (mi): **0.00000**

Direction:

Agency ID: **1582**

Name: **SUMMER HILL APT**

Owner:

Address: **SUMMERHILL RD**

Owner Address:

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

City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Currently In Use	Asphalt Coated or Bare Steel	Gasoline

Map ID#: **27UN** Distance (mi): **0.00000**

Direction:

Agency ID: **1584**

Name: **NEW MEADOWS**

Owner:

Address: **PLAZA DR**

Owner Address:

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

City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
3	Currently In Use	Cathodically Protected Steel	Heating Oil

Map ID#: **28UN** Distance (mi): **0.00000**

Direction:

Agency ID: **1586**

Name: **STONECREST APTS**

Owner:

Address: **STONECREST DR**

Owner Address:

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

City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Currently In Use	Cathodically Protected Steel	Heating Oil

Map ID#: **29UN** Distance (mi): **0.00000**

Direction:

Agency ID: **1607**

Name: **JACKSON REALTY/CORRUGATED**

Owner:

Address: **RIVER RD**

Owner Address:

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

City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
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Connecticut UST Data

Connecticut Registered Underground Storage Tank

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

Direction:

Agency ID: 1613

Name: WILLOWCREST APARTMENTS

Owner:

Address: STONEYCREST DRIVE

Owner Address:

City, State, Zip: MIDDLETOWN, CT 06457

City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
5	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
6	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
7	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
8	Currently In Use	Cathodically Protected Steel	Heating Oil
9	Currently In Use	Cathodically Protected Steel	Heating Oil
10	Currently In Use	Cathodically Protected Steel	Heating Oil
11	Currently In Use	Cathodically Protected Steel	Heating Oil
12	Currently In Use	Cathodically Protected Steel	Heating Oil
13	Currently In Use	Cathodically Protected Steel	Heating Oil
14	Currently In Use	Cathodically Protected Steel	Heating Oil

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

Direction:

Agency ID: 1616

Name: WOODBURY APTS

Owner:

Address: WOODBURY CIRCLE

Owner Address:

City, State, Zip: MIDDLETOWN, CT 06457

City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
3	Currently In Use	Cathodically Protected Steel	Heating Oil
4	Currently In Use	Cathodically Protected Steel	Heating Oil

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

Direction:

Agency ID: 2874

Name: PRATT & WHITNEY MIDDLETOWN PLANT

Owner:

Address: AIRCRAFT ROAD

Owner Address:

Connecticut UST Data

Connecticut Registered Underground Storage Tank

6	Currently In Use	Cathodically Protected Steel	Aviation Fuel
7	Currently In Use	Cathodically Protected Steel	Gasoline
8	Currently In Use	Cathodically Protected Steel	Diesel
9	Currently In Use	Cathodically Protected Steel	Gasoline
10	Currently In Use	Cathodically Protected Steel	Other
11	Currently In Use	Cathodically Protected Steel	Other
12	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
13	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
14	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
15	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
16	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
17	Permanently Out of Use	Fiberglass Reinforced Plastic	Gasoline
18	Currently In Use	Cathodically Protected Steel	Gasoline
19	Currently In Use	Cathodically Protected Steel	Gasoline
20	Permanently Out of Use	Asphalt Coated or Bare Steel	Diesel
21	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
22	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
23	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
24	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
25	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
26	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
27	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
28	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
29	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
30	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
31	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
32	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
33	Permanently Out of Use	Other	Gasoline
34	Permanently Out of Use	Other	Gasoline
35	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
36	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
37	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
38	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
39	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
40	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
41	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil

Connecticut UST Data

Connecticut Registered Underground Storage Tank

4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
5	Currently In Use	Fiberglass Reinforced Plastic	Gasoline

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

Direction:

Agency ID: 9075
Name: RIVERVIEW HOSPITAL
Address: BOX 621, RIVER RD
City, State, Zip: MIDDLETOWN, CT 06457

Owner:
Owner Address:
City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
2	Currently In Use	Fiberglass Reinforced Plastic	Heating Oil
3	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
4	Permanently Out of Use	Asphalt Coated or Bare Steel	Gasoline
5	Currently In Use	Fiberglass Reinforced Plastic	Heating Oil
6	Currently In Use	Cathodically Protected Steel	Heating Oil

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

Direction:

Agency ID: 9834
Name: CENACLE CONVENT
Address: WADSWORTH ST.
City, State, Zip: MIDDLETOWN, CT 06457

Owner:
Owner Address:
City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil

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

Direction:

Agency ID: 9837
Name: VOCATIONAL AGRICULTURE CENTER
Address: HUNTING HILL AVENUE
City, State, Zip: MIDDLETOWN, CT 06457

Owner:
Owner Address:
City, State, Zip:

<u>TankID#</u>	<u>Tank Status</u>	<u>Composition</u>	<u>Substance</u>
1	Currently In Use	Asphalt Coated or Bare Steel	Heating Oil
2	Permanently Out of Use	Asphalt Coated or Bare Steel	Heating Oil
3	Currently In Use	Cathodically Protected Steel	Heating Oil

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.

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.

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.

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

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
-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 Assurance
-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

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
-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
Waste Management Division
Boston, MA**

Work Assignment No.: 23-1JZZ

EPA Region: I

CERCLIS No.: CTD062199369

TDD No.: 9209-74-ACS

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

INTRODUCTION

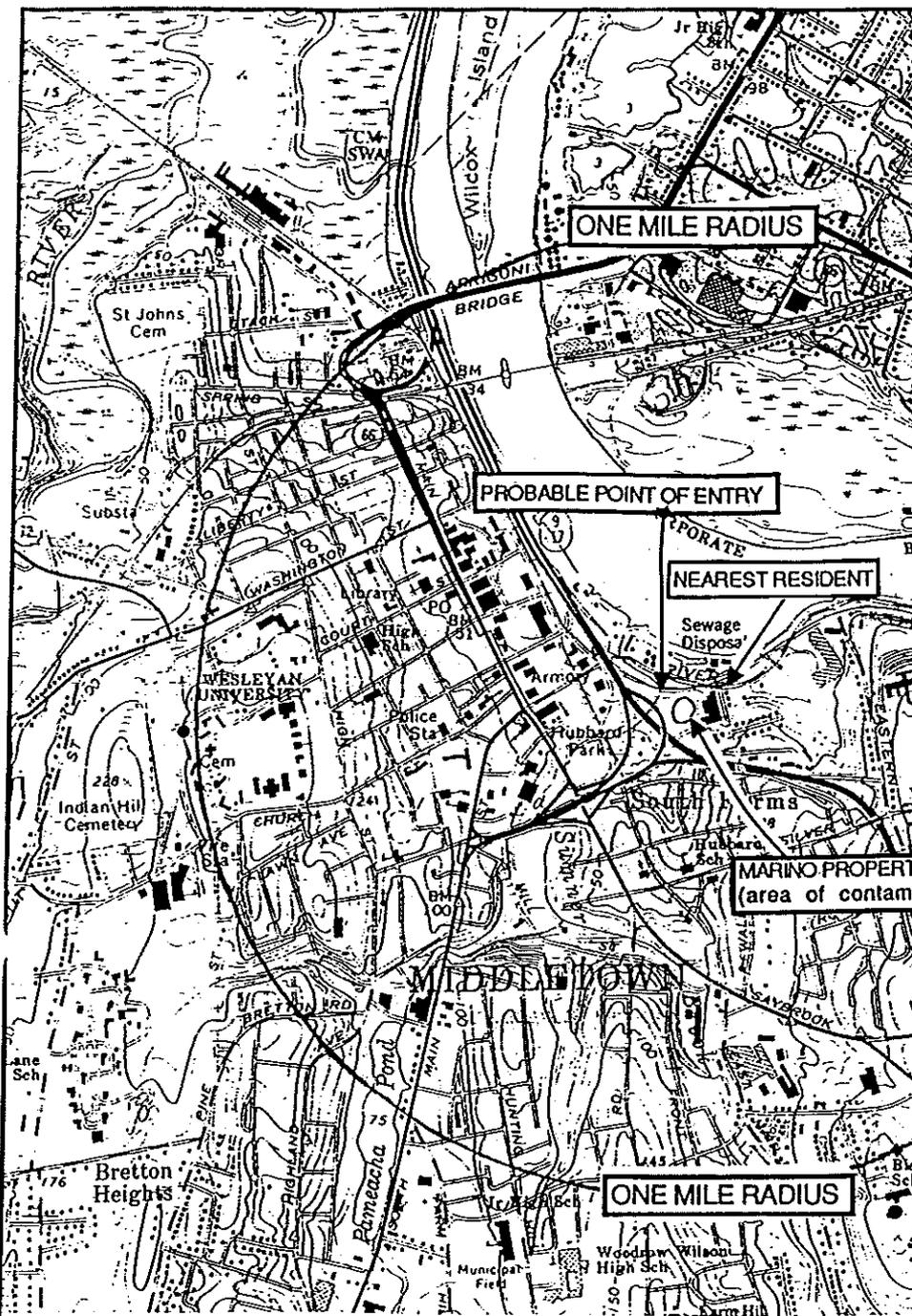
The CDM Federal Programs Corporation (CDM) Alternative Remediation (ARCS) team was requested by the U.S. Environmental Protection Agency (EPA) Management Division to perform a Site Inspection (SI) of the Marino Property in Middletown, Connecticut. Tasks were conducted in accordance with the ARCS Site Inspection scope of work dated September 3, 1992, and technical guidance issued by EPA under Work Assignment No. 23-1JZZ, which was issued in August 1992. A Preliminary Assessment (PA) was prepared by Roy F. W. On the basis of the information provided in the PA report, the Marino

Background information used in the generation of this report was collected from interviews conducted at EPA, the Connecticut Department of Environmental Protection, interviews with town officials, conversations with persons knowledgeable about the site, and conversations with other federal, state, and local agencies. Information was also collected during the CDM onsite reconnaissance on April 22, 1994, and 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, and Superfund. These documents do not necessarily fulfill the requirements of the regulations such as those under the Resource Conservation and Recovery Act, or other federal, state, or local regulations. SIs are intended to provide a preliminary assessment to facilitate EPA's assignment of site priorities. They are limited in scope and do not supersede more detailed investigations.

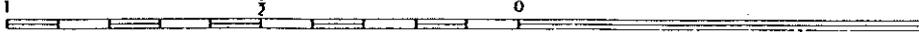
SITE DESCRIPTION

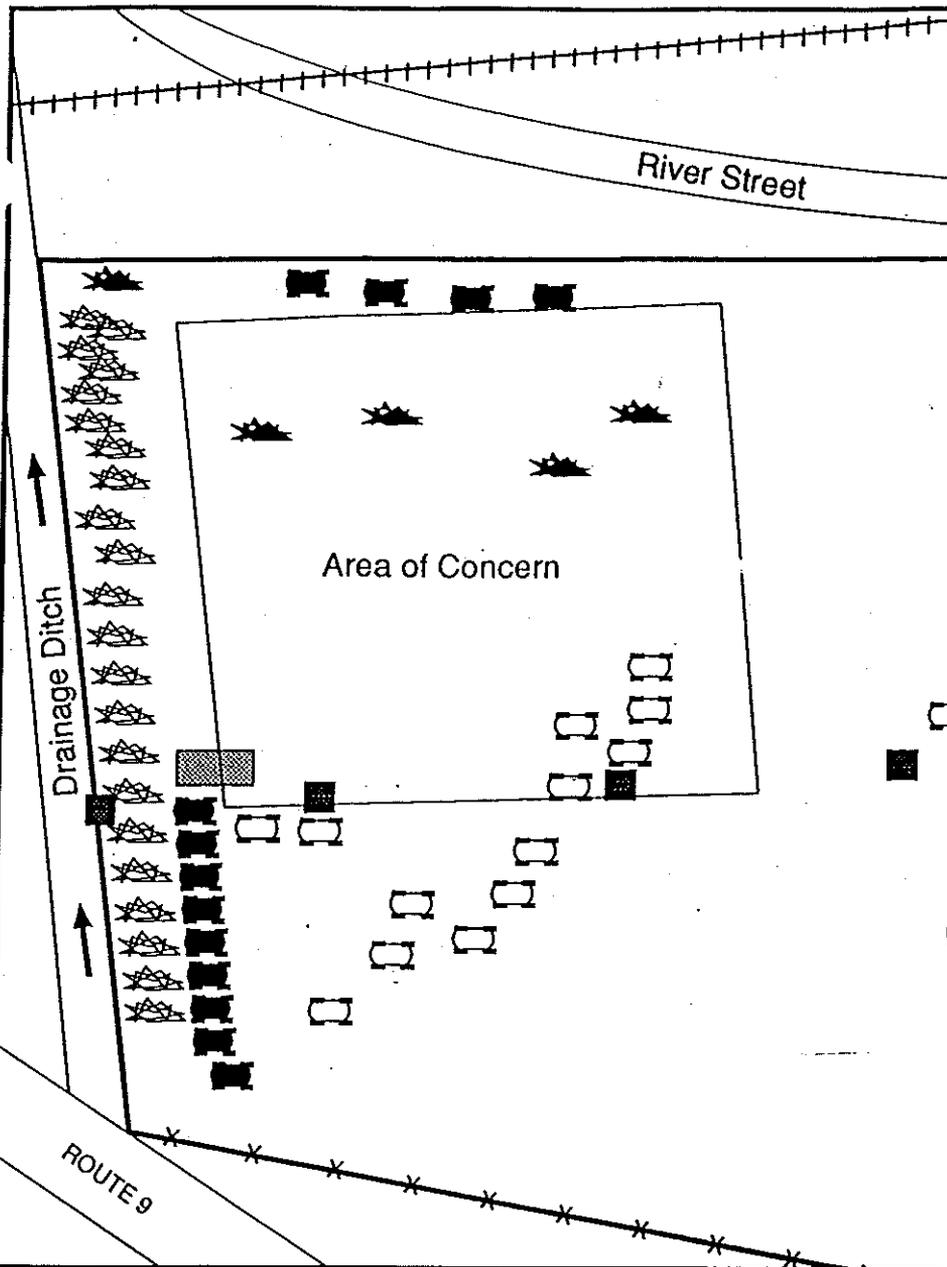
Consisting of a total of approximately 10 acres, Marino Property is located on the southwest corner of Walnut Street and River Road in Middletown, Connecticut. The latitude is 41° 33' 59" North and the longitude is 72° 11' 11" West. (See Figure 1: Location Map and Figure 2: Site Sketch) [2,35].



Source: Base map from USGS topographic maps of Middletown and Middletown
 Quadrangles, Connecticut, 7.5' series.

SCALE 1:24000





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 |

The area of concern is a 2- to 4-acre portion of the property to building. That area was a former wetland but was covered with f 1970s [14]. Junked cars, trucks, trailers, empty paint cans, demolition debris exist throughout the southern, western, and no boundaries. The property is generally level. Catch basins on the buildings collect overland flow near the buildings and discharge it [2].

The property is located approximately 600 feet south of the Connecticut ditch, approximately 20 feet deep and 10 feet wide, begins on the property, continues along the western edge, and empties into Sumner Brook approximately 200 feet northwest of the property boundaries. Sumner Brook runs parallel to the Connecticut River and empties into the Connecticut River shortly downstream. Water runoff from the highway located above the southwestern portion of the property is seasonally flooded [2]. Since the area of concern is completely flat, the water runoff direction is believed to be radial, with at least the area of concern 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 residential area is located approximately 1 mile southeast of the property [19].

OPERATIONAL AND REGULATORY HISTORY AND WASTE

Marino Property was originally the site of OMO Manufacturing Company, a leather factory that was built in the late 1800s. In 1968, the property was purchased by Bonded Fibers. The following year Hildebrand Industries purchased the property. Later, the Connecticut Development Commission obtained the right of first refusal by foreclosure of Hildebrand Industries [2,36]. Salvatore J. Marino purchased the property from the Connecticut Development Commission and is the current owner. The property is divided into portions of the buildings on the property to various small businesses.

The area of concern is a 2- to 4-acre portion of the property to the south of the building. That area was a former wetland and was used by the town as a municipal landfill until 1955 for the deposition of municipal wastes as well as incinerator ash from an incinerator. Waste oils, paints, unknown industrial wastes, and refuse from leather manufacturing processes were also deposited in that area. The

Table 1 presents identified structures or areas on the Marino Property of contamination, the containment factors associated with each source of each source.

TABLE 1
Source Evaluation for
Marino Property

Potential Source Area	Containment Factors	
Contaminated soil	None	2- t
Incinerator waste	None	2- t
Leachate	None	2- t
Liquid from pail	None	2- t
Solids inside drums	None	2- t

[37]

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

TABLE 2
Hazardous Waste Quantity for
Marino Property

Substance	Quantity or Volume/Area	Years of Use/Storage	Y D
Refuse and chemicals from rubber and artificial leather manufacturing process	Unknown	Late 1800s to mid-1960s	Late mid-
Municipal and incinerator wastes	Unknown	1930s to 1955	1930 1955

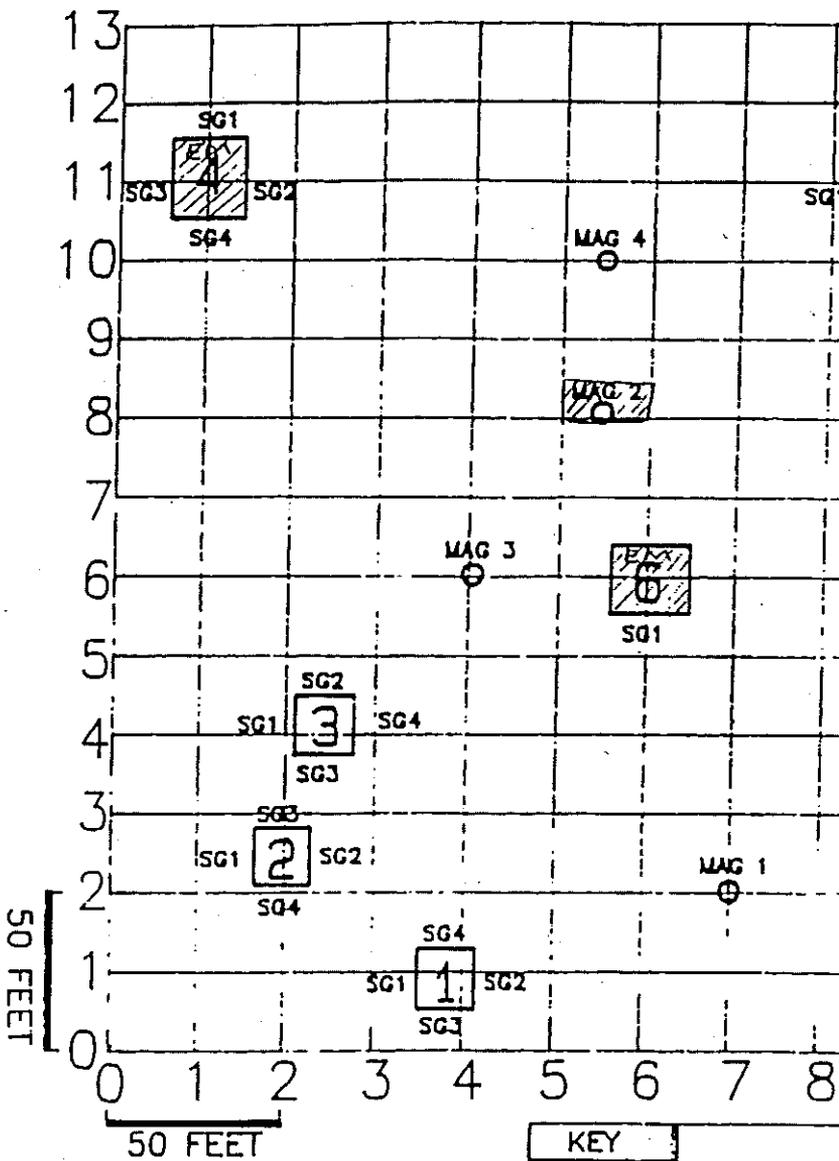
A citizen's complaint alleging past hazardous waste dumping CTDEP, Waste Engineering and Enforcement Division, in May investigation was conducted by CTDEP. At that time, CTDEP of the following areas: 1) drums located on the bank of the drainage drainage ditch; 3) leachate from two 3-foot test pits dug at the b 4) a two-thirds full can of paint found on the property. All samp organic compounds (VOCs) using a hydrocarbon vapor phase scre test was also performed on the samples. Elevated levels of severa Details of this sampling event are discussed in the Waste/Source S [9,14].

In December 1985, Heynen Engineers was retained by a potential eight monitoring wells and sample the groundwater in each well fo of several contaminants were detected during that investigation. are discussed in the Groundwater Pathway section of this report have since been destroyed [2].

The Site Remediation and Closure Department of CTDEP receive August 1990 that a drum was uncovered during the removal of s removal occurred in March 1990. The complainant reported that t thick liquid flowing out, and that the surrounding soil exhibited a was immediately reburied at a depth of approximately 6 feet. The a former employee at the rubber company witnessed the dumping o on a weekly basis over a period of 20 to 30 years [6].

In October 1990, CTDEP referred the Marino Property to the Res of EPA for an investigation and possible removal of the buried drum [24]. EPA contracted Roy F. Weston, Inc. (Weston) to conduct a R Assessment and Site Investigation of the property. As part of thi samples were collected on the property by Weston (see Figure 3 Sampling Locations) in November 1990. VOCs, semivolatile organ lead were detected. See the Waste/Source Sampling section for de event [36].

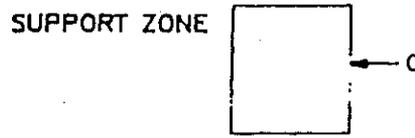
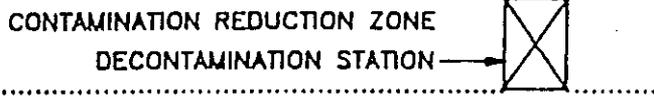
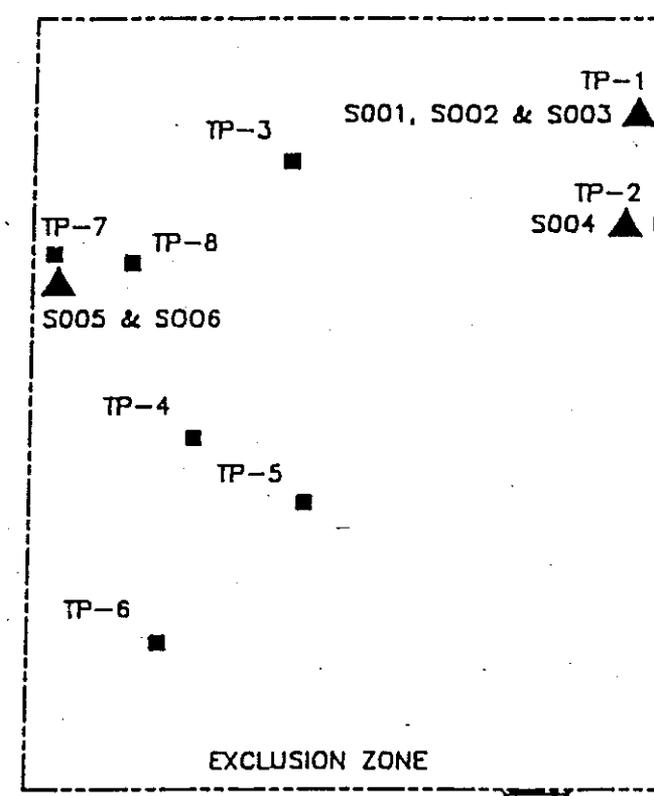
Further investigation conducted by Weston in April 1991 include depths of 1 to 7 feet and collecting six samples from inside three Sketch with Weston Sampling Locations). During this investigation were encountered in one of the test pits. One of the drums was fille drum was crushed to one-third of its original length and contained a



KEY

- ELECTROMAGNETIC C
- MAGNETIC FIELD HIGH
- SG1-4 SOIL GAS COLL
- MAG 1-4
- SURFACE SOIL S

RIVER ROAD



LEGEND

- CHAIN-LINK FENCE
- CONTAMINATION REDUCTION/
ZONE BOUNDARY
- · - · - EXCLUSION/CONTAMINATION
ZONE BOUNDARY

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

EPA entered Marino Property into the CERCLA Information System on August 8, 1992. The following CERCLIS facilities are located within Marino Property: Middletown Municipal Landfill (CTD980521116), Portland Cement, and Fenner America, Ltd. (CTD052542669) [39]. The following RSL facilities are located within a 1-mile radius of Marino Property: (CTD000842013), Middletown High School (CTD983902776), (CTD085068047), Sears Roebuck & Co. (CTD98388712), (CTD013134861), EIS Brake Parts Standard Motor Product (CTD052542669) [40].

On April 22, 1994, CDM conducted an onsite reconnaissance of Marino Property which included a meeting with Mr. Marino and a walkover of the facility. On May 11, 1994, CDM conducted onsite groundwater sampling using a Geoprobe at the drainage ditch and Sumner Brook. Thirteen samples were collected, including seven sediment, one trip blank, and two equipment blanks. In addition, 13 evaluation (PE) samples were collected, all in accordance with the EPA Method 8160-8-94. All samples were analyzed using EPA Tier II data validation procedures for PCBs, pesticides, cyanide, and metals. All data quality objectives were met for this event [2,3,4]. Details of this sampling activity are presented in the Groundwater and Water Pathway sections of this report.

WASTE/SOURCE SAMPLING

In August 1983, CTDEP collected several surface water leachate, and soil samples from areas near or in the drainage ditch and on the property. Each sample was analyzed via a vapor phase screening device. An EP Toxicity test was also conducted. The highest VOC concentrations were detected in a sample collected from the drainage ditch. From this sample, the following compounds were detected: acetone (14,000 ppm), xylene (14,000 ppm), methyl ethyl ketone (1,000 ppm). Through EP toxicity testing, lead (1,700 ppm) and chromium (170 ppm) were detected in a paint sample. From the leachate sample, barium (28 ppm) and zinc (17 ppm) were detected [9].

Weston conducted a surface soil sampling program during its investigation of Marino Property.

compound or analyte is included in the table if the sample concentration is above the detection limit. The table also lists the source, sample identification number, and

TABLE 3

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

Sample No.	Compound/Analyte	Concentration (mg/kg)	Reference Sample No.
EM-6	Benzo(a)anthracene	0.33	MAG-2
	Benzo(a)pyrene	0.24	MAG-2
	Bis(2-ethylhexyl) phthalate	77	MAG-2
	Chrysene	0.34	MAG-2
	Di-n-octyl phthalate	2.8	MAG-2
	Phenanthrene	0.42	MAG-2
	Lead	350	MAG-2

REF = Reference concentration

DL = Detection limit

NA = Not available

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

mg/kg = milligrams per kilogram or parts per million

Note: The precision of entries in the "Comments" column is governed by the

[36]

In April 1991, Weston dug several test pits in the area of concern. Six samples (S001 through S006) were collected from three test pits at depths below ground surface. All samples were analyzed for VOCs, SVOCs, and metals through the New England Regional Laboratory. The background level for S006. Table 4 summarizes the sampling results collected by Weston.

TABLE 4

**Summary of Analytical Results
Source Sample Analysis for Marino Pro
Samples Collected by Weston in April**

Sample No. /Depth	Compound/Analyte	Concentration (mg/kg)	Reference Sample No.
S001 1 foot	Ethylbenzene	230	S006
	4-methyl,2-pentanone	11,000	S006
	Toluene	13,000	S006
	Vinyl acetate	3,100	S006
	Total xylenes	1,400	S006
	Benzyl butyl phthalate	2,000	S006
	Bis(2-ethylhexyl) phthalate	97,000	S006
	Di-n-butyl phthalate	400	S006
	Di-n-octyl phthalate	7,900	S006
	1,2,4-trimethylbenzene	370	S006
	PCB (Aroclor-1260)	640	S006
S002 2 feet	Benzene	0.79	S006
	2-butanone	29	S006
	1,2-dichlorobenzene	2.9	S006
	Chlorobenzene	0.52	S006
	Toluene	36	S006
	4-methyl 2-pentanone	7.7	S006
	Total xylenes	2.0	S006
	Di-n-octyl phthalate	31	S006
	Lead	1 100	S006

TABLE 4 (continued)

Sample No.	Compound/Analyte	Concentration (mg/kg)	Reference Sample No.
S003 2 feet	4-methyl 2-pentanone	1,200	S006
	Toluene	2,100	S006
S004 4 feet	Toluene	8,900	S006
	Benzyl butyl phthalate	1,000	S006
	Bis(2-ethylhexyl) phthalate	150,000	S006
	Di-n-octyl phthalate	9,800	S006

REF = Reference concentration

DL = Detection limit

U = Indicates the sample was analyzed but not detected and reports the detection limit
 mg/kg = milligrams per kilogram or parts per million

Note: The precision of entries in the "Comments" column is governed by the

[37]

GROUNDWATER PATHWAY

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

Horizontal groundwater flow in the unconfined aquifer is believed to be from the Connecticut River [35]. Bedrock in the area consists of sedimentary rock, siltstone, and shale [15]. The depth to bedrock is up to 60 feet below the surface. State groundwater classification in the immediate area of Marino Field is Class II, use being for process water and cooling water and not presumed to be for drinking water.

screened at approximately 60 feet below the ground surface in over 100 wells have been in operation since the 1970s, and others were in operation before. The wells are blended with surface water from the Mount High Dam outside the 4-mile radius and not in the surface water pathway. The wells serve approximately 35,800 people. The River Road Wells serve approximately 26,850 persons [23]. Hydrogeologic studies show 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 cost of treating the water from these wells is 3,000 gallons per minute. The water from these wells has been used for drinking water for more than 20 years, and none has ever been found to be contaminated. 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 within the wellhead protection area [21].

The only other public groundwater well is a part-time treated well in the Connecticut River, approximately 1.25 mile north of the property during the summer months [22]. Two sets of community wells also exist within approximately 3.5 miles from Marino Property [23]. Table 5 lists the public 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
> 0.50 - 1.0	River Road Wells	Middletown	26,850
> 1.0 - 2.0	Rivercrest Water Company	Portland	
> 3.0 - 4.0	Sylvan Ridge Condominiums	Middlefield	
> 3.0 - 4.0	Sugarloaf Terrace Elderly Housing	Middlefield	

Table 6 lists the estimated drinking water populations served by miles of Marino Property.

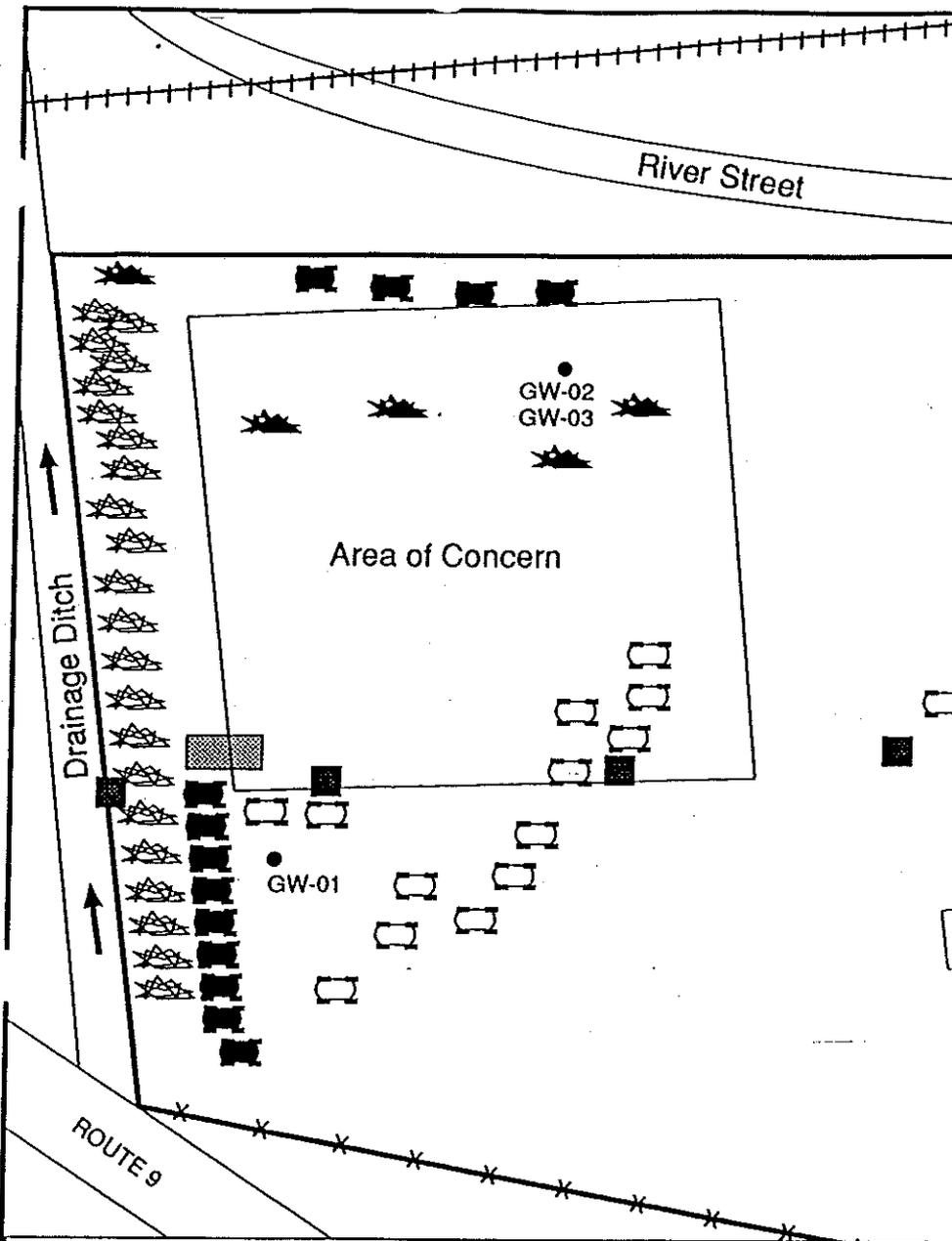
TABLE 6
Estimated Drinking Water Populations Served by Groundwater Wells within 4 Miles of Marino Property

Radial Distance From Marino Property (miles)	Estimated Population Served by Private Wells	Estimated Population Served by Public Wells
0.00 - 0.25	0	
> 0.25 - 0.50	0	
> 0.50 - 1.00	45	2
> 1.00 - 2.00	725	
> 2.00 - 3.00	1,848	
> 3.00 - 4.00	2,625	
TOTAL	5,243	2

[12,22,23]

In December 1985, Heynen Engineers was retained by a potential purchaser to install eight monitoring wells and sample the groundwater for VOCs and several compounds that were detected during that investigation including benzene (from 1 µg/l to 1,956.7 µg/l), ethylbenzene (from 1.3 µg/l to 12.7 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), and carbon tetrachloride (at 32.8 µg/l). Other 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 monitoring wells that were installed for this sampling activity having

On September 7 and 8, 1994, CDM performed groundwater sampling at the Marino Property using a Geoprobe® (see Figure 5: Site Sketch with CDM Locations). Three groundwater samples were collected (GW-1, GW-2, and GW-3).



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 |

TABLE 7

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

Sample Location No.	CDM Sample#/ Traffic Report #	Date and Time	Remarks	
GW-01	AHY27 (O) MAFJ46(I)	9-8-94 1100	Grab; Screened at 13 to 21 feet below the ground surface	Gro colle sout facto 30 f telep facto
GW-02	AHY28 (O) MAFJ47 (I)*	9-8-94 1200	Grab; Screened at 12 to 20 feet below the ground surface	Grou feet boun north facto
GW-03	AHY29 (O)**	9-8-94 1200	Grab	Dup
EB-GW	AHY25 (O) MAFJ44 (I)	9-8-94 1000	Grab	Gr

Notes: --
I = Inorganic
O = Organic
* = metals only
** = VOC only
[2]

Table 8 summarizes the groundwater sampling results. In both detected in the background sample; therefore, the SDL is used as

TABLE 8

**Summary of Analytical Results
Groundwater Sample Analysis for Marino
Samples Collected by CDM on September 7 a**

Sample Location No.	Compound/Analyte	Concentration (µg/l)	Ref. Conc. (µg/l)
GW-02	Chromium	45.8	25
GW-02	Cobalt	18.1 J	12

SDL = Sample detection limit

U = Indicates the sample was analyzed for but not detected and reported

J = Quantitation approximate due to limitations identified in quality control

µg/l = micrograms per liter or parts per billion

Note: The precision of entries in the "Comments" column is governed by

[3,4]

SURFACE WATER PATHWAY

The area of the property lies in the Lower Connecticut River Basin. The predominant soil group in the area of concern is fine-grained stratified clay deposited by or in glacial meltwaters [38]. Marino Property is on a floodplain [11].

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

Several catch basins are located near the factory buildings on the property to collect stormwater near the buildings and discharge to the municipal sewer system.

where the ditch connects with Sumner Brook is approximately 0.1 miles. The downstream surface water pathway continues throughout the Connecticut River from the East Haddam airport [33]. Because the Connecticut River is tidal at the airport, the surface water pathway continues upstream from the confluence with Sumner Brook, the surface water pathway continues north in the Connecticut River, and ends approximately at the I-95 interchange in Wethersfield [17,32].

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

Neither Sumner Brook nor the Connecticut River supply municipal drinking water for the Marino Property. The Connecticut Valley Home Depot in Middletown, uses six reservoirs, all located between 1.75 and 3.2 miles from the Marino Property, as its source of drinking water. Combined, these reservoirs serve approximately 10,000 people. The reservoirs are not in the Marino Property surface water pathway. The Marino Property surface water pathway includes water bodies within the surface water segment of Marino Property. The Marino Property surface water pathway is defined by length of reach, flow characteristics, and length of wetlands for e

TABLE 9

Water Bodies within the Surface Water Segment of the Marino Property

Surface Water Body	Descriptor ^a	Length of Reach (miles)	Flow Characteristics (cfs)
Sumner Brook	Small to moderate stream	0.1	< 100
Connecticut River	Coastal tidal waters	14.9	Not applicable

^a Minimal stream. Small to moderate stream. Moderate to large stream. Large river. Coastal tidal waters. Shallow ocean zone or Great Lake.

According to the Municipal Executive Director of the City of Meriden, who has worked in the area for over 25 years, Sumner Brook, between the Connecticut River, is not a fishery [18]. The Connecticut River is a major fishery with species such as white perch, redbreast sunfish, spottail shiner, blueback herring, pumpkinseed, and others. In recent years, several species of fish have died from contamination throughout the Connecticut River. Carp were found in Sumner Brook at levels to warrant a health advisory [25]. Although PCBs have been found in sediment samples at elevated concentrations, it is likely that the numerous discharges from the Connecticut River have contributed to the contamination.

On September 7, 1994, CDM performed sediment sampling activities in a drainage ditch on the property to determine migration of contaminants from 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 from the drainage ditch in Sumner Brook (SD-05, SD-06, and SD-07). SD-07 is located at the confluence with the Connecticut River. Sample SD-05 was collected from the bridge and next to a drainage swale which carries stormwater from Sumner Brook. Table 10 provides a sample summary of the CDM sediment samples.

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	
SD-01	AHY17 (O) MAFJ36 (I)	9-7-94 1720	Grab 12 inches	Background collected 12 feet north of bridge on the Delaware
SD-02	AHY18 (O) MAFJ37 (I)	9-7-94 1620	Grab 6 inches	Sediment from drainage ditch

TABLE 10 (continued)

Sample Location No.	CDM Sample #/ Traffic Report #	Date and Time	Remarks	
SD-04	AHY20 (O) MAFJ39 (I)	9-7-94 1245	Grab 12 inches	Backg collec feet u the dr the no found overpa
SD-05	AHY21 (O) MAFJ40 (I)	9-7-94 1215	Grab 12 inches	Sedime Summe of the ditch a railroa
SD-06	AHY22 (O) MAFJ41 (I)	9-7-94 1130	Grab 12 inches	Sedime Summe the bro Connee
SD-07	AHY23 (O) MAFJ42 (I)	9-7-94 1130	Grab 12 inches	Duplic control
EB-SD	AHY24 (O) MAFJ43 (I)	9-7-94 1015	Grab	Sedime
TB-01	AHY26 (O)	9-7-94 900	Grab	Trip bl

Notes:

I = Inorganic

O = Organic

RAS = Routine Analytical Services

[2]

Table 11 summarizes the sediment sampling results. A compound table if the concentration detected was greater than or equal to three

TABLE 11

Summary of Analytical Results
Sediment Sample Analysis for Marino Pr
Collected by CDM on September 7, 1

Sample Location No.	Compound/Analyte	Concentration	F Co
SD-03	Bis(2-ethylhexyl) phthalate	1,500 µg/kg	40
	4,4'-DDD	15 J µg/kg	4.0
	Cadmium	0.97 J mg/kg	0.71
	Lead	508 J mg/kg	16
	Mercury	0.3 J mg/kg	0.1
SD-05	Ethylbenzene	16 µg/kg	13
	Total xylenes	36 µg/kg	13
	Naphthalene	1,300 µg/kg	400
	2-methylnaphthalene	2,400 µg/kg	400
	Acenaphthylene	1,000 µg/kg	400
	Acenaphthene	2,200 µg/kg	400
	Dibenzofuran	620 µg/kg	400
	Fluorene	2,800 µg/kg	400
	Phenanthrene	9,600 µg/kg	1,400
	Anthracene	1,700 µg/kg	400
	Carbazole	870 µg/kg	400
	Fluoranthene	8,600 µg/kg	2,200
	Pyrene	6,900 J µg/kg	1,900
	Bis(2-ethylhexyl) phthalate	1,800 µg/kg	400

TABLE 11 (continued)

Sample Location No.	Compound/Analyte	Concentration	
SD-06 (continued)	Copper	1,370 mg/kg	3
	Lead	865 J mg/kg	16
	Mercury	0.19 J mg/kg	0.1
	Zinc	2,210 J mg/kg	32
SD-07 (dup of SD-06)	4,4'-DDD	14 J μ g/kg	4.0
	4,4'-DDT	6.7 J μ g/kg	4.0
	Barium	688 J mg/kg	10
	Cadmium	2.0 mg/kg	0.71
	Lead	548 J mg/kg	16
	Mercury	0.16 J mg/kg	0.1
	Zinc	1,610 J mg/kg	32

SDL = Sample detection limit

SQL = Sample quantitation limit

REF = Reference concentration

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

J = Quantitation approximate due to limitations identified in quality control

μ g/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

[3,4]

Several dumps and old landfills are located in or near Sumner Brook.

Also, surface water runoff from nearby highways drain to Sumner Brook.

For these reasons, several compounds/analytes were detected in

sample but were not detected in source samples collected by Weston.

their presence might not be attributed to the site. These compounds

SOIL EXPOSURE PATHWAY

Approximately 50 people currently work in the buildings located on the property. No residences are located within 200 feet of Marino Property to the east. No residences are located within 200 feet of the area of concern. The area of concern, is accessible, as no fences completely surround the property. Day-care facilities are located within 200 feet of the property. The environments on the property [2,35]. Approximately 9,858 people live within a distance of the property [12].

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

In April 1991, Weston collected six samples from two test pits on the property. The samples were collected at a depth of 2 feet or less below the ground surface (see Table S003). The samples were analyzed for VOCs, SVOCs, PCBs, and heavy metals. The Waste/Source Sampling section for a summary of the analytical results. The following 11 compounds were detected: ethylbenzene, 4-methylphenol, acetate, total xylenes, benzyl butyl phthalate, bis(2-ethylhexyl)phthalate, di-n-octyl phthalate, 1,2,4-trimethylbenzene, and PCBs. For sample EM-6, the following compounds/analytes were detected: benzene, 2-butanone, 1,2-dichloroethane, toluene, 4-methyl 2-pentanone, total xylenes, di-n-octyl phthalate, and PCBs. Two compounds, 4-methyl 2-pentanone and toluene, were detected at least three times above the reference values when the reference compounds/analytes were not detected above the SQL/SDL when the reference compounds/analytes were not detected.

AIR PATHWAY

During the CDM site reconnaissance in April 1994 and CDM sampling in May 1994, Organic Vapor Monitor (OVM) readings were at background levels. The area of concern to the property is located approximately 50 feet from the property to the east. The area of concern, across Walnut Street. The nearest school is located

TABLE 12**Estimated Population within 4 Miles
Marino Property**

Radial Distance From Marino Property (miles)	Estim
0.00 - 0.25	
> 0.25 - 0.50	
> 0.50 - 1.00	
> 1.00 - 2.00	
> 2.00 - 3.00	
> 3.00 - 4.00	
TOTAL	

[12]

Sensitive environments within 4 miles of Marino Property include approximately 13.7 square miles of wetlands, a state wildlife refuge, and threatened species. A federal threatened species in part also exists in the sensitive environments by distance from the property.

TABLE 13

Sensitive Environments within 4 Miles
Marino Property

Radial Distance From Marino Property (miles)	Name of Sensitive Environment	
0.50 - 1.00	Sandbar Willow	St
> 1.00 - 2.00	Cromwell Meadows	St
	Dwarf Bullrush	St
	Atlantic Sturgeon	St
	Mountain Sandwort	St
	American Bittern	St
	Sandbar Willow	St
> 2.00 - 3.00	Cromwell Meadows	St
	American Bittern	St
	Least Bittern	St
	Blue-Winged Teal	St
	White Milkweed	St
	Mountain Sandwort	St
	Swamp Cottonwood	St
	Nuttall Milkwort	St
> 3.00 - 4.00	American Bittern	St
	Pied-Billed Grebe	St
	Least Bittern	St
	Black Rail	St
	Yellow-Breasted Chat	St

SUMMARY

Marino Property consists of approximately 10 acres and is located in Middletown, Middlesex County, Connecticut. Marino Property is an artificial leather factory. The factory was built in the late 1800s and 1900s. Salvatore Marino, the current owner of the property, presently uses the buildings on the property to a number of small businesses. Mr. Marino uses the buildings as an office for his real estate and construction company.

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

After receiving a citizen's complaint in 1983 alleging past hazardous waste disposal of concern, the Connecticut Department of Environmental Protection (CTDEP) sampled from the property and analyzed each sample for volatile organic compounds. Levels of several contaminants were detected. In December 1985, H&M was hired by a potential buyer of the property to install eight monitoring wells in the area. In each well for VOCs. Several compounds were detected at elevated levels.

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

In April 1991, further investigation by Roy F. Weston, Inc. included collecting six samples from three of the pits, and analyzing for volatile organic compounds (VOCs), 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 wells located approximately 1/2 mile southeast of the property.

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

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

On September 7, 1994, CDM collected seven sediment samples (including Sumner Brook and a drainage ditch on the property). All samples were analyzed for SVOCs, PCB, pesticides, metals, and cyanide. Twenty-three compounds 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 to the Connecticut River for the remainder of the 14.9 miles both upstream and downstream. The river is tidal. There are 3.6 miles of wetland frontage that exist along the 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 major fishery. The Connecticut River is a major fishery, containing such species as white perch, red drum, blueback herring, American shad, pumpkinseed, and others. In recent years, several fishes were tested for contamination throughout the Connecticut River. No fish 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. Residences are located within 200 feet of Marino Property to the east and south. No residences are located within 200 feet of the area of concern. The nearest residences live within 1 mile travel distance of the property. There are no sensitive terrestrial environments on or within 200 feet of the property.

Approximately 57,468 persons live within 4 miles of Marino Property. The nearest residences are located approximately 0.25 mile from the property. Sensitive environments are located within 4 miles of the property.

REFERENCES

- [1] Bingham, J. 1976. Contour Map of the Bedrock Surface of Connecticut.
- [2] CDM Federal Programs Corporation (CDM). 1994. Field Report No. 9209-74-ACX. April 22.
- [3] CDM. 1995. Draft Data Validation Letter Report - Tier I. No. 22640; SDG AHY17 to AHY34. Marino Property. July 1995.
- [4] CDM. 1995. Draft Data Validation Letter Report - Tier II. No. 22640; SDG MAFJ36 to MAFJ44, MAFJ46, MAFJ48, MAFJ53. Marino Property. January 12.
- [5] Connecticut Department of Environmental Protection (CTDEP). 1990. Complaint. May.
- [6] CTDEP. 1990. Record of Complaint. August.
- [7] Connecticut Test Boring Company. 1985. Soil Boring Log No. 9209-74-ACX. Marino Property. July 1985.
- [8] Connecticut Quit Claim Deed. July 1973.
- [9] Department of Health Services, CTDEP Laboratory Division. 1990. Report No. 9209-74-ACX. Marino Property. October.
- [10] Environmental Monitoring Laboratory, Inc. 1985. Groundwater Monitoring Report No. 9209-74-ACX. Marino Property. December.
- [11] Federal Emergency Management Agency (FEMA). 1990. Flood Hazard Study. Middletown, Connecticut. July 16.
- [12] Frost, R. (Frost Associates). 1994. CENTRACTS Report on Private Water Wells of Each Block Group for Marino Property. February 10.
- [13] Kingsbury, S. (CTDEP). 1994. Letter to S. O'Brien, Connecticut Department of Environmental Protection, regarding the Environmental and Threatened and Endangered Species. No. 9209-74-ACX. February 10.

- [16] O'Brien, S. (CDM). 1995. Record of Communication Surface Water Classifications for Connecticut River and Marino Property. TDD No. 9309-74-ACX. January 6.
- [17] O'Brien, S. (CDM). 1994. Record of Communication with Geological Survey), RE: Flow Rate for Sumner Brook and Connecticut River. Marino Property, TDD No. 9209-74-ACX.
- [18] O'Brien, S. (CDM). 1994. Record of Communication with Resources Department), RE: Area of Sumner Brook Basin Marino Property Not Considered a Fishery. Marino Property TDD No. 9209-74-ACX. August 26.
- [19] O'Brien, S. (CDM). 1994. Record of Communication with Resources Department), RE: Location of Nearest Private Groundwater Well. Marino Property, TDD No. 9209-74-ACX. March 7.
- [20] O'Brien, S. (CDM). 1994. Record of Communication with Resources Department), RE: Information on Groundwater Monitoring Well at Marino Property in 1985. Marino Property, TDD No. 9209-74-ACX.
- [21] O'Brien, S. (CDM). 1994. Record of Communication with Resources Department), RE: River Road Wells. Marino Property, TDD No. 9209-74-ACX.
- [22] O'Brien, S. (CDM). 1994. Record of Communication with Resources Department), RE: Groundwater Well in Portland. Marino Property, TDD No. 9209-74-ACX. March 22.
- [23] O'Brien, S. (CDM). 1994. Record of Communication with Resources Department), RE: River Road Wells and Other Drinking Water Sources for the towns of Middletown and Meriden. Marino Property, TDD No. 9209-74-ACX. March 28.
- [24] Parker, E. (CTDEP). 1990. Letter to D. McIntyre (EPA), Middletown, Connecticut. October.
- [25] Schluntz, E. (CTDEP). 1994. Letter to S. O'Brien (CDM), Middletown, Connecticut. Connecticut River and Sumner Brook. April 13.

- [29] U.S. Fish & Wildlife Service, National Wetlands Inventory Quadrangle, Connecticut.
- [30] U.S. Fish & Wildlife Service, National Wetlands Inventory Quadrangle, Connecticut.
- [31] U.S. Department of the Interior, Fish & Wildlife Service, Overlay Map, Middletown Quadrangle, Connecticut.
- [32] U.S. Geological Survey (USGS). 1986. Hartford Quadrangle (30' x 60' series). Topographic.
- [33] USGS. 1983. New Haven Quadrangle, Connecticut-New York. Topographic.
- [34] USGS. 1961. Photorevised 1984. Middle Haddam Quadrangle (30' x 60' series). Topographic.
- [35] USGS. 1965. Photorevised 1992. Middletown Quadrangle (30' x 60' series). Topographic.
- [36] Roy F. Weston, Inc. 1990. Removal Action Preliminary Assessment for Marino Property Site. December.
- [37] Roy F. Weston, Inc. 1991. Addendum to the Removal Action Site Investigation for Marino Property Site. May.
- [38] Geohydrologic Map of the Lower Connecticut River Basin. Volume 31, Plate B, Connecticut Department of Environmental Protection.
- [39] USEPA. 1994. Comprehensive Environmental Response Information System (CERCLIS) Superfund Program, Regional Office for the State of Connecticut.
- [40] USEPA. 1993. New England Hazardous Waste Large Quantity Generator Town, Non Sensitive Freedom of Information Act Report.

**APPENDIX B
SOIL BORING LOGS**

BORING/WELL LOG

Project Name: Middletown Brownfields - Peterson Oil	Drilling Company: B.L. Myers Bros., Inc.	Boring/Well: B-1a/MW-1
Project Number: 25863-0020	Drillers: Mike Myers, Tim	Date Started: 07/06/2000
Project Location: Middletown, CT	TRC Inspector: S. Parker	Date Completed: 07/06/2000

Depth (feet)	Recovery (feet)	FID / PID	Soil Description	Lithology	Monitoring Well Construction
0-2	15	0 / 0	0-15 Light brown F-M SAND, trace o sand, trace gravel, dry, no/ns	0	Flush Mount Casing & Concrete Completion
2-4	18	0 / 0	0-18 Light brown F-M SAND, trace c sand, trace gravel, dry, no/ns	2	Bentonite Seal Top of sand pack
4-6	18	0 / 0	0-18 Light brown F-M SAND, trace o sand, trace gravel, dry, no/ns	4	
6-8	6	0 / 0	0-3 Light brown F-M SAND, trace o sand, trace gravel, dry, no/ns 3-6 Brown F SAND & SILT, dry, no/ns	6	Top of screen
8-10	6	0 / 0	0-3 Light brown C SAND, some silt, moist, no/ns 3-6 Light brown SILT, trace o sand, trace vf sand, wet, no/ns	8	1" - 10 Slot PVC Screen #1 Morie Sand
10-12	21	0 / 0	0-18 Grayish brown C SAND, trace silt, trace gravel, wet, no/ns 18-21 Gray SILT, wet, no/ns	10	
				12	
				18.5	Bottom of Screen

Note: Sample B-1a collected from 8'-10' interval

Legend

- | | |
|--------------------|-----------|
| Sand | Gravel |
| Sand & Gravel | Bentonite |
| Sand, Silt, Gravel | Screen |

Note: no/ns = no odor / no staining

BORING LOG

Project Name: Middletown Brownfield - Peterson Oil
 Project Number: 25863-0020
 Project Location: Middletown, CT

Drilling Company: B.L. Myers Bros., Inc.
 Drillers: Mike Myers, Tim
 TRC Inspectors: S. Parker

Boring/Well: B-1b
 Date Started: 07/06/2000
 Date Completed: 07/06/2000

Depth (feet)	Recovery (Inches)	FID / PID (ppm)	Soil Description (Inches)	Lithology
0-2	18	0 / 6	0-2 Brown F-M SAND, some gravel, dry, no/ns 2-18 Brown SILT, some f sand, dry, no/ns	
2-4	18	0 / 7 0 / 8	0-4 Brown F SAND & SILT, dry, no/ns 4-12 Brown F-M SAND & SILT, dry, no/ns 12-18 Grayish-brown SILT, dry, no/ns	
4-6	12	0 / 0 0 / 0	0-3 Brown F-M SAND, some silt, little gravel, dry no/ns 3-12 Grayish-brown SILT, dry, no/ns	
6-8	0	NA	No Sample Recovery	
8-10	24	0 / 0 0 / 0 0 / 0	0-6 Orangish-brown F-M SAND & SILT, wet, no/ns 6-7 coal bits, gravel, wet, no/ns 7-24 Gray SILT, wet, no/ns	

Note: Sample B-1b collected from 0'-2' interval

Legend

- Sand
- Sand / Silt
- Silt
- Gravel

Note: no/ns = no odor / no staining

BORING LOG

Project Name: Middletown Brownfield - Peterson Oil
 Project Number: 25863-0020
 Project Location: Middletown, CT

Drilling Company: B.L. Myers Bros., Inc.
 Drillers: Mike Myers, Tim
 TRC Inspectors: S. Parker

Boring/Well: B-1c
 Date Started: 07/06/2000
 Date Completed: 07/06/2000

Depth (feet)	Recovery (Inches)	FID / PID (ppm)	Soil Description (Inches)	Lithology
0-2	18	0 / 0	0-18 Grayish-brown F-M SAND, some silt, little gravel, dry, no/ns	
2-4	NA	0 / 0	NA Light brown F-M SAND, trace gravel, dry, no/ns	
4-6	18	0 / 0 0 / 0	0-15 Grayish brown F-M SAND, dry, no/ns 15-18 Brown F SAND & SILT, moist, no/ns	
6-8	18	0 / 0 4 / 2 0 / 2	0-15 Brown F SAND & SILT, moist, no/ns 15-17 Coal bits 17-18 Brown SILT, moist, no/ns	
8-10	12	0 / 0 0 / 0 0 / 0	0-2 Brown F-M SAND, moist, no/ns 2-8 Grayish-brown SILT, little m sand, trace gravel, trace coal bits, moist no/ns 8-12 Gray SILT, wet, no/ns	

Note: Sample B-1c collected from 0'-2' interval

Legend

- Sand
- Sand / Silt
- Sand, Silt, Gravel
- Gravel

Note: no/ns = no odor / no staining

BORING/WELL LOG

Project Name: Middletown Brownfields - Peterson Oil	Drilling Company: B.L. Myers Bros., Inc.	Boring/Well: B-2a/MW-2
Project Number: 25863-0020	Drillers: Kevin, Orlando	Date Started: 06/14/2000
Project Location: Middletown, CT	TRC Inspector: S. Parker	Date Completed: 06/14/2000

Depth (feet)	Recovery (inches)	Soil Description (inches)	Lithology	Monitoring Well Construction
0-2	0	0		Flush Mount Casing & Concrete Completion
2-4	16	0-16 Tan m-c SAND, some gravel, dry, no/ns		Bentonite Seal Top of sand pack
4-6	9	0-9 Tan m-c SAND, some gravel, dry, no/ns		Top of screen
6-8	15	0-15 Light brown, m-c SAND, dry, no/ns		1" - 10 Slot PVC Screen
8-10	12	0-12 Light brown, moist, m-c SAND Slight odor		#1 Morie Sand
10-12	12	0-12 Brown-gray, wet, m-c SAND, no		Bottom of Screen

Note: Sample B-2a collected from 8'-10' interval

Legend

Sand	Gravel
Sand & Gravel	Bentonite
Sand, Silt, Gravel	Screen

Note: no/ns = no odor / no staining

BORING LOG

Project Name: Middletown Brownfield - Peterson Oil
 Project Number: 25863-0020
 Project Location: Middletown, CT

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

Boring/Well: B-2b
 Date Started: 06/14/2000
 Date Completed: 06/14/2000

Depth (feet)	Recovery (Inches)	(Inches)	Soil Description	Lithology
0-2	18	0-6	Concrete	
		6-18	Brown, f-m SAND, some silt, no/ns	
2-4	18	0-18	Brown, m-c SAND, little silt and gravel no/ns	
4-6	6	0-6	Brown, m-c SAND, little silt and gravel no/ns	
6-8	15	0-15	Brown, f-m SAND, trace silt, trace gravel no/ns	
8-10	9	0-9	Brown, f-m SAND, trace silt, trace gravel no/ns	
10-12	18	0-3	Brown, f-m SAND, trace silt, trace gravel no/ns	
		3-18	Dark brown/black SILT and f sand, rock bits and non-native material (cinder/coal) no/ns	

Note: Sample B-2a collected from 8'-10' interval

Legend

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

Note: no/ns = no odor / no staining

BORING LOG

Project Name: Middletown Brownfield - Peterson Oil	Drilling Company: B.L. Myers Bros., Inc.	Boring/Well: B-2c
Project Number: 25863-0020	Drillers: Kevin, Orlando	Date Started: 06/14/2000
Project Location: Middletown, CT	TRC Inspectors: S. Parker	Date Completed: 06/14/2000

Depth (feet)	Recovery (Inches)	Soil Description (Inches)	Lithology
1-3	4	0-2 Concrete bits 2-4 Brown m-c SAND and Gravel, little silt, dry no/ns	
3-5	4	0-4 Brown m-c SAND and GRAVEL, trace concrete bits, dry, no/ns	
5-7	9	0-9 Brown m-c SAND, moist, no/ns	
7-9	6	0-6 Brown m-c SAND, some crushed rock, no/ns	
9-11	18	0-6 Brown m-c SAND, little gravel, moist, no/ns 6-7 Black m-c SAND, trace crushed rock, moist no/ns 7-18 Brownish-gray SILT and f SAND, wet, no/ns	

Note Sample B-2c collected from 9'-11' interval

Legend

	Sand
	Sand & Gravel
	Sand, Silt, Gravel
	Gravel
	Concrete

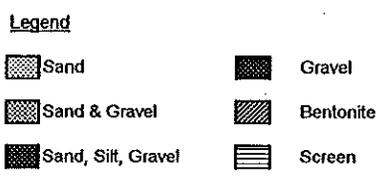
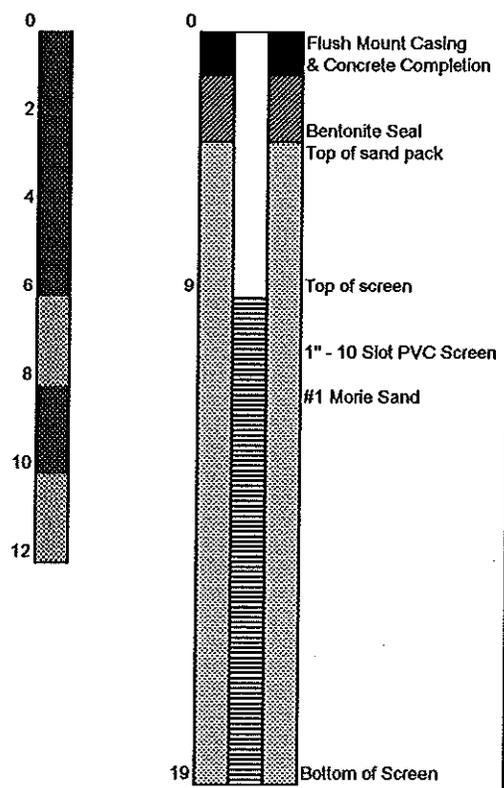
Note: no/ns = no odor / no staining

BORING/WELL LOG

Project Name: Middletown Brownfields - Peterson Oil	Drilling Company: B.L. Myers Bros., Inc.	Boring/Wel: B-3/MW-3
Project Number: 25863-0020	Drillers: Mike Myers, Tim	Date Started: 07/06/2000
Project Location: Middletown, CT	TRC Inspector: S. Parker	Date Completed: 07/06/2000

Depth (feet)	Recovery (inches)	Soil Description (inches)	Lithology	Monitoring Well Construction
0-2	21	0-21 Brown F SAND & SILT, trace coal bits, dry, no/ns		Flush Mount Casing & Concrete Completion
2-4	6	0-6 Brown F SAND & SILT, trace coal bits, dry, no/ns		Bentonite Seal Top of sand pack
4-6	15	0-15 Brown F SAND & SILT, trace coal bits, dry, no/ns		
6-8	0	No sample recovery		Top of screen
8-10	3	0-3 Brown F-M SAND & SILT, some gravel, moist no/ns		1" - 10 Slot PVC Screen #1 Morie Sand
10-12	NR	NR Brown C SAND, some gravel, wet, no/ns		Bottom of Screen

Note: Sample B-3 collected from 8'-10' interval



Note: no/ns = no odor / no staining
NR = not recorded

BORING LOG

Project Name: Middletown Brownfield - Peterson Oil Drilling Company: B.L. Myers Bros., Inc.	Boring/Well: B-4a
Project Number: 25863-0020	Date Started: 06/27/2000
Project Location: Middletown, CT	Date Completed: 06/27/2000

Depth (feet)	Recovery (Inches)	Soil Description (inches)	Lithology										
0-5	42	0-15 Brown, f-m SAND, little gravel, loose, no/ns 15-18 Brown SILT, no/ns 18-24 Brown SILT and C SAND, some gravel, moist, no/ns 24-42 Light Brown C SAND and GRAVEL, loose, moist, no/ns											
5-10	24	0-24 Light Brown C SAND and GRAVEL, loose, moist, no/ns											
10-15	24	0-24 Light Brown C SAND and GRAVEL, loose, moist, no/ns											
Note: Sample B-4a collected from 10'-15' interval													
Legend <table style="margin: auto;"> <tr> <td style="width: 20px; height: 15px; background-color: #cccccc; border: 1px solid black;"></td> <td>Sand</td> </tr> <tr> <td style="width: 20px; height: 15px; background-color: #a6a6a6; border: 1px solid black;"></td> <td>Sand & Gravel</td> </tr> <tr> <td style="width: 20px; height: 15px; background-color: #666666; border: 1px solid black;"></td> <td>Silt</td> </tr> <tr> <td style="width: 20px; height: 15px; background-color: #333333; border: 1px solid black;"></td> <td>Gravel</td> </tr> <tr> <td style="width: 20px; height: 15px; background-color: #000000; border: 1px solid black;"></td> <td>Concrete</td> </tr> </table>					Sand		Sand & Gravel		Silt		Gravel		Concrete
	Sand												
	Sand & Gravel												
	Silt												
	Gravel												
	Concrete												

Note: no/ns = no odor / no staining

BORING LOG

Project Name: Middletown Brownfield - Peterson Oil	Drilling Company: B.L. Myers Bros., Inc.	Boring/Well: B-4b
Project Number: 25863-0020	Drillers: Kevin, Orlando	Date Started: 06/27/2000
Project Location: Middletown, CT	TRC Inspectors: S. Parker	Date Completed: 06/27/2000

Depth (feet)	Recovery (Inches)	Soil Description (Inches)	Lithology
0-5	36	0-3 Cinders/ash 3-10 Brown C SAND, little gravel, wet, petroleum odor 10-21 Grayish-brown SILT, strong petro. odor 21-36 Grayish-brown F SAND and SILT, wet petroleum odor	
5-10	42	0-42 Brown SILT, little m sand, trace gravel, wet, petroleum odor	

Note: Sample B-4b collected from 0'-2' interval

Legend

	Sand
	Sand & Silt
	Cinder / Ash

APPENDIX C
MARIN ENVIRONMENTAL, INC. PHASE II DATA TABLES

TABLE 1
 WM R. Peterson Oil Company
 Middletown, Connecticut
 Soil Quality Data

Compound	Units	B-2 10-12 ft 55/ft	B-3 15-17 ft 55/ft	B-4 12-14 ft 55/ft	B-5 10-12 ft 10/ft	B-6 0-2 ft 10/ft	P-3 15-17 ft 15/ft	S-1 0-2 ft 0.2/ft	S-2 0-2 ft 0.2/ft	S-3 0-2 ft 0.2/ft	S-4 0-3 ft 0.3/ft	S-5 0-2 ft 0.2/ft	S-6 0-3 ft 0.3/ft	RES 10/ft	GB PMG
IPH	mg/kg	ND	613	ND	34	ND	331	742	10	4,785	210	23,695	1,525	500	2,500
Lead (total)	mg/kg	NA	NA	NA	NA	NA	NA	416	270	151	191	747	117	500	NA
Ethylbenzene	ug/kg	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	500,000	10,100
Toluene	ug/kg	NA	24	ND	NA	12	ND	NA	NA	NA	NA	NA	NA	500,000	67,000
Xylenes	ug/kg	NA	120	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	500,000	19,500
MTBE	ug/kg	NA	24	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	500,000	20,000
Benzene	ug/kg	NA	10	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	21,000	200
Naphthalene	ug/kg	NA	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	1,000,000	56,000
2-Methyl/naphthalene	ug/kg	NA	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NE	NE
Lead (SPLP)	mg/kg	NA	NA	NA	NA	NA	NA	0.028	NA	NA	NA	0.05	NA	NA	0.15

Note:
 Only compounds detected are listed.
 ND = Not detected
 NA = Not analyzed
 Bold = equals or exceeds the RES DEC
 Shading = equals or exceeds the GB PMC

TABLE I
 W.M.R. Peterson Oil Company
 Middletown, Connecticut
 Soil Quality Data

Compound	Units	MV-1 5-7 ft.	MV-1 10-12 ft.	MV-2 5-7 ft.	MV-2 15-17 ft.	MV-3 5-7 ft.	MV-3 15-17 ft.	MV-4 5-7 ft.	MV-4 15-17 ft.	MV-5 0-2 ft.	MV-5 15-17 ft.	MV-6 5-7 ft.	MV-6 15-17 ft.	MV-7 5-7 ft.	MV-7 15-17 ft.	MV-8 5-7 ft.	MV-8 10-12 ft.	MV-9 10-12 ft.	MV-9 15-17 ft.	MV-10 5-7 ft.	MV-10 15-17 ft.	MV-11 10-12 ft.	MV-11 15-17 ft.	MV-12 5-7 ft.	MV-12 15-17 ft.		
TPH	mg/kg	1,013	ND	ND	2,805	31	19	133	3,445	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	352
Lead (total)	mg/kg	262	NA	5.28	NA	92.5	NA	4.36	NA	40.3	NA	7.60	NA	9.18	NA	22.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ug/kg	ND	NA	NA	1,400	NA	12	NA	56,000	ND	NA	ND	NA	14	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	NA	ND	
Toluene	ug/kg	ND	NA	NA	780	NA	ND	NA	3,700	ND	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	NA	ND	
Xylenes	ug/kg	ND	NA	NA	12,100	NA	37	NA	243,000	ND	NA	ND	NA	38	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	NA	ND	
MIBE	ug/kg	ND	NA	NA	ND	NA	ND	NA	2,700	ND	NA	ND	NA	ND	NA	NA	24	ND	ND	NA	NA	ND	NA	NA	NA	ND	
Napthalene	ug/kg	ND	NA	NA	ND	NA	ND	NA	3,200	ND	NA	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	NA	ND	
2-Methylnapthalene	ug/kg	ND	NA	NA	ND	NA	ND	NA	520	ND	NA	NA	NA	650	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	
Lead (SPLP)	mg/kg	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note:
 Only compounds detected are listed.
 ND = Not detected
 NA = Not analyzed
 Bold = equals or exceeds the RES DEC
 Shading = equals or exceeds the GB PMC

TABLE 2
Wm. R. Peterson Oil Company
Middletown, Connecticut
Ground Water Quality Data

Compound	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	SWPC	RES VC
124 TMB	6	210	120	870	22	660	64	ND	NE	NE
125 TMB	3	7	40	240	6	260	25	ND	NE	NE
Benzene	ND	9	ND	220	7	ND	ND	ND	710	215/530
Isopropylbenzene	ND	21	8	44	ND	15	ND	ND	NE	NE
P-Isopropyl toluene	ND	2	17	13	ND	22	56	ND	NE	NE
N-Propylbenzene	ND	30	12	150	3	47	5	ND	NE	NE
Sec-Butylbenzene	ND	ND	7	7	ND	ND	ND	ND	NE	NE
Ethylbenzene	ND	ND	ND	670	14	34	ND	ND	580,000	50,000
Xylenes	ND	ND	48	1270	35	427	ND	ND	NE	21,300
Napthalene	ND	ND	120	100	ND	73	120	ND	NE	NE
N-Butylbenzene	ND	ND	ND	26	ND	ND	6	ND	NE	NE
Toluene	ND	ND	ND	28	ND	ND	ND	ND	4,000,000	23,500
Lead, dissolved	NA	0.013	0.021	NA	NA	NA	0.027	0.008	0.013	NA
TPH	ND	11.5	84.3	5.1	ND	4.1	1.6	ND	NE	NE

Note:
Only compounds detected are listed.
ND = Not detected
NA = Not Analyzed
Bold = equals or exceeds SWPC
Shading = equals or exceeds RES VC
TPH requested in mg/l
All others reported in ug/l

APPENDIX D
LABORATORY ANALYTICAL DATA

CASE NARRATIVES

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SAMPLE DATA PACKAGE

0000001



**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>KATAHDIN</u> <u>Sample No.</u>	<u>TRC</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.

000002

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.

Hania Crouch
Authorized Signature
07/13/00

KATAHL... ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT

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

LAB (WORK ORDER) # 4481754

PAGE: 1 OF 1

COOLER: 1 OF 1

COO# ---

SDG# ---

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

DELIVERED BY: Fedex

RECEIVED BY: TS

LIMS ENTRY BY: SA

LIMS REVIEW BY / PM: ALC

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?
(ICE) ICE PACKS PRESENT (Y) or (N)? | <input checked="" type="checkbox"/> | <input 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) = 5.8

COOLER TEMP (°C) = NA

(RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)

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

LOG - IN NOTES⁽¹⁾: _____

000000

⁽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 Contact: Sarah Trombetta Phone #: (860) 298-6219 Fax #: (860) 298-6399
 Address: 5 Waterside Crossing City: Windsor State: CT Zip Code: 06095
 Purchase Order #: _____ Proj. Name / No.: MBF/25863 0020 00000 Katahdin Quote #: _____

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

LAB USE ONLY WORK ORDER #: WA1754
 KATAHDIN PROJECT MANAGER
 REMARKS: _____
 SHIPPING INFO: FED EX UPS CLIENT
 AIRBILL NO: _____
 TEMP °C: TEMP BLANK INTACT NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.
					OYON	OYON	OYON	OYON	OYON	OYON	OYON	OYON	OYON	OYON
					VOC (5035/8200B)	pres. MeOH	VOC (5035/8200B)	pms. NaHSO4	ETPH	(CT ETPH Rev. 0)	SVOC	(8270)	Metals	(1312/6010B + 7471A)
*	FB061400	6/14/00 / 0910	W	1				1						
	TB061400	6/14/00 / 1400		4	1	3								
	B-4	6/14/00 / 0855	S	6	1	3		1	1					
	B-5	6/14/00 / 1030		7	1	3		1	1					
	B-2a	6/14/00 / 1145		7	1	3		1	1					
	B-2b	6/14/00 / 1245		6	1	3		1						
	B-2c d.f.	6/14/00 / 1250												
	B-2c	6/14/00 / 1320		6	1	3		1						
	PSS-1	6/14/00 / 1500		2				1						
	PSS-2	6/14/00 / 1515		2				1						
	PSS-3	6/14/00 / 1530		2				1						
	PSS-4	6/14/00 / 1540		2				1						
	PSS-5	6/14/00 / 1550		2				1						
	PSS-6	6/14/00 / 1600	↓	2				1						
	/	/												
	/	/												

COMMENTS * Field Blank for ETPH collected in 1 liter amber glass jar
 VOCs (40 ml vials), ETPH (4 oz. glass jar), SVOC (4 oz glass jar), Metals (8 oz glass jar)

Relinquished By: (Signature) <u>Seth A. Parker</u>	Date / Time <u>6/14/00 1200</u>	Received By: (Signature) _____	Relinquished By: (Signature) _____	Date / Time _____	Received By: (Signature) _____
Relinquished By: (Signature) <u>Seth A. Parker</u>	Date / Time <u>6/15/00 1200</u>	Received By: (Signature) <u>[Signature]</u>	Relinquished By: (Signature) _____	Date / Time _____	Received By: (Signature) _____



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Sample Data	-----	1000009	to	1000051
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Sample Data	-----	2000020	to	2000077
Standards Data	-----	2000078	to	2000197
Raw QC Data	-----	2000198	to	2000229
Logbooks and Supporting Documents	-----	2000230	to	2000236
 <u>METALS ANALYSIS</u>		 4000001		
Sample Data	-----	4000002	to	4000007
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Standards Data	-----	6000040	to	6000128
Raw QC Data	-----	6000129	to	6000154
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Sample Data	-----	7000008	to	7000039
Standards Data	-----	7000040	to	7000060
Raw QC Data	-----	7000061	to	7000084
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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</u> <u>Sample No.</u>	<u>TRC</u> <u>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.

00000002



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

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

LAB (WORK ORDER) # W02 1911
 PAGE: () OF ()
 COOLER: () OF ()

COC# _____
 SDG# _____
 DATE / TIME RECEIVED: 6/29/00-1000
 DELIVERED BY: Feder
 RECEIVED BY: Saw
 LIMS ENTRY BY: Saw
 LIMS REVIEW BY / PM: APC

CLIENT: TRC Environmental

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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. SAMPLES RECEIVED AT 4°C +/- 2°
(ICE/ICE PACKS PRESENT <input checked="" type="checkbox"/> or N? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 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 |

COMMENTS _____

RESOLUTION _____

TEMP BLANK TEMP (°C) = _____
 COOLER TEMP (°C) = 5.3 NA
 (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)

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 # _____

Bill (if different than above) _____ Address _____
 Sampler (Print / Sign): **S. Parker** Copies To: _____

LAB USE ONLY WORK ORDER #: **W01911**
 KATAHDIN PROJECT MANAGER _____
 REMARKS: _____
 SHIPPING INFO: FED EX UPS CLIENT
 AIRBILL NO: _____
 EMP°C _____ TEMP BLANK INTACT NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

* Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Fill.										
				OYON										
TB062700	06/27/00/1000		4	1	3									
FB062700	/0930	W	1											
B-6	/0910	S	6	1	3		1				1			
B-7a	/1200		8	1	3		1	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	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

Labels: VOCs (40ml vials) | ETPH (4 oz glass jar), SVOC, PCBs | RCRA 8 Metals (8oz glass jar)

Relinquished By: (Signature) <i>[Signature]</i>	Date / Time: 6/28/00 1200	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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QC Summary	-----	1000002	to	1000011
Sample Data	-----	1000012	to	1000059
Standards Data	-----	1000060	to	1000165
Raw QC Data	-----	1000166	to	1000203
Logbooks and Supporting Documents	-----	1000204	to	1000208
<u>METALS ANALYSIS</u>		4000001		
Sample Data	-----	4000002	to	4000007
QC Summary	-----	4000008	to	4000062
Raw Data	-----	4000063	to	4000181
Logbooks and Supporting Documents	-----	4000182	to	4000188
<u>TOTAL PETROLEUM HYDROCARBON</u>				
QC Summary	-----	6000002	to	6000007
Sample Data	-----	6000008	to	6000029
Standards Data	-----	6000030	to	6000054
Raw QC Data	-----	6000055	to	6000067
Logbooks and Supporting Documents	-----	6000068	to	6000078

SAMPLE DATA PACKAGE

0000001



SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TRC ENVIRONMENTAL

Sample Receipt

The following samples were received on July 8, 2000 and were logged in under Katahdin Analytical Services work order number WQ2000 for a hardcopy due date of August 7, 2000.

<u>Sample No.</u>	<u>Sample Identification</u>
KATAHDIN WQ2000-1	TRC B-1A
WQ2000-2	B-1B
WQ2000-3	B-1C
WQ2000-4	B-3
WQ2000-5	FB070600
WQ2000-6	TB070600

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 July 8, 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 WQ2000-2 yielded internal standard area and surrogate recovery deviations. Reanalysis yielded similar results, confirming matrix interference. Both sets of data for this sample 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 8.3%, 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.

GC Analysis

Samples WQ2000-1 through 5 were received on July 8, 2000 for determination of Total Petroleum Hydrocarbons according to EPA method SW846 TPH8015M. All samples and QC were extracted and analyzed within hold time, and all QC criteria were met, with the following comments:

TPH Analysis

Sample WQ2000-2 was diluted in order to bring the high concentration of analytes into the calibration range.

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

Metals Analysis

The samples of Katahdin Work Order WQ2000 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. WQ2000-(1-4) 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. "WQ2000-003V". 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
WQ2000-003	07/11/00	07/12/00	07/12/00	PBP509A
WQ2000-004	07/11/00	07/12/00	07/12/00	PBP509A
WQ2000-007	07/11/00	07/12/00	07/12/00	PBP509A
WQ2000-008	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 WQ2000 were digested for ICP analysis on 07/14/00 (QC Batch QG14ICW0) in accordance with USEPA Method 3010A.

ICP analyses of Katahdin Work Order WQ2000 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 WQ2000 were digested for mercury analysis on 07/13/00 (QC Batch QG13HGW0) in accordance with USEPA Method 7470A.

Mercury analyses of Katahdin Work Order WQ2000 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 Gouch
Authorized Signature
08/10/00

0000004

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

LAB (WORK ORDER) # WA 2000

PAGE: 1 OF 1

COOLER: 1 OF 1

COC# ---
 SDG# ---
 DATE / TIME RECEIVED: 7/8/00-10:5
 DELIVERED BY: Fedex
 RECEIVED BY: TS
 LIMS ENTRY BY: SA
 LIMS REVIEW BY / PM: ADC

CLIENT: TRC Environmental
 PROJECT: CT Brownfields

COMMENTS RESOLUTION

TEMP BLANK TEMP (°C) = 1.5 *APC notified Sarah Trumbetta by voice mail 7/10/00*
 COOLER TEMP (°C) = NA
 (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)

YES NO EXCEPTIONS

N/A

1. CUSTODY SEALS PRESENT / INTACT?
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?
3. CHAIN OF CUSTODY SIGNED BY CLIENT?
4. CHAIN OF CUSTODY MATCHES SAMPLES?
5. TEMPERATURE BLANKS PRESENT?
6. SAMPLES RECEIVED AT 4°C +/- 2?
- ICE PACKS PRESENT or N?
7. VOLATILES FREE OF HEADSPACE?
8. TRIP BLANK PRESENT IN THIS COOLER?
9. PROPER SAMPLE CONTAINERS AND VOLUME?
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?
11. SAMPLES PROPERLY PRESERVED⁽¹⁾?
12. CORRECTIVE ACTION REPORT FILED?
13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES⁽¹⁾:

000005

⁽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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QC Summary	-----	1000002	to	1000017
Sample Data	-----	1000018	to	1000168
Standards Data	-----	1000169	to	1000338
Raw QC Data	-----	1000339	to	1000396
Logbooks and Supporting Documents	-----	1000397	to	1000402
<u>METALS ANALYSIS</u>		4000001		
Sample Data	-----	4000002	to	4000015
QC Summary	-----	4000016	to	4000133
Raw Data	-----	4000134	to	4000476
Logbooks and Supporting Documents	-----	4000477	to	4000479
<u>TOTAL PETROLEUM HYDROCARBON DATA</u>				
QC Summary	-----	6000002	to	6000005
Sample Data	-----	6000006	to	6000022
Standards Data	-----	6000023	to	6000047
Raw QC Data	-----	6000048	to	6000056
Logbooks and Supporting Documents	-----	6000057	to	6000061

SAMPLE DATA PACKAGE

0000001



**SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TRC ENVIRONMENTAL**

Sample Receipt

The following samples were received on August 4, 2000 and were logged in under Katahdin Analytical Services work order number WQ2347 for a hardcopy due date of September 1, 2000.

<u>Sample No.</u>	<u>Sample Identification</u>
KATAHDIN WQ2347-1	TRC MW-MI
WQ2347-2	MW-3
WQ2347-3	MW-1
WQ2347-4	MW-M4
WQ2347-5	MW-M2
WQ2347-6	MW-M3
WQ2347-7	MW-M8
WQ2347-8	MW-2
WQ2347-9	MW-4
WQ2347-10	MW-M6
WQ2347-11	MW-M7
WQ2347-12	FB080200
WQ2347-13	TB080200

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

Twelve aqueous samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on August 4, 2000, and were specified to be analyzed for the USEPA full list of volatile organics in accordance with USEPA method 8260B.

Analyses for this workorder were performed on the 5970-Q, and 5973-U instrument. 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 sample in this workorder.

The following sample WQ2347-10 required re-analysis due to elevated concentrations for one or more target analytes. Both the original analysis and the diluted run have been included in the 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 curves analyzed in this workorder, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 7.9% and 13.8%, 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.

The volatile organic staff noted no other protocol deviations.

Metals Analysis

The samples of Katahdin Work Order WQ2347 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma (ICP) Atomic Emission Spectroscopic Analysis

Aqueous-matrix Katahdin Sample Nos. WQ2347-(1-12) were digested on 08/10/00 (QC Batch QH10ICW1) in accordance with USEPA Method 3010A prior to ICP analysis.

ICP analyses of Katahdin Work Order WQ2347 sample digestates were performed in accordance with USEPA Method 6010A, using a Thermo Jarrell Ash Trace 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.

000000 3



Mercury Analysis by Cold Vapor Atomic Absorption (CVAA) Spectrophotometry

Aqueous-matrix Katahdin Sample Nos. WQ2347-(1-12) were digested on 08/09/00 (QC Batch QH09HGW0) in accordance with USEPA Method 7470A prior to mercury analysis. Katahdin Sample No. WQ2347-1 was prepared with duplicate matrix-spiked aliquots.

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.

GC Analysis

Aqueous samples WQ2347-8 through 11 were received August 4, 2000 and were analyzed for extractable total petroleum hydrocarbons (ETPH) according to the method prepared by Environmental Research Institute, University of Connecticut, March 1999. All samples and QC were extracted and analyzed within hold time, and all QC criteria were met with the following comments:

TPH Analysis

The terms ETPH and TPH are used interchangeably.

Samples WQ2347-10 and 11 were diluted in order to bring the high TPH concentration into the calibration range.

The surrogate recovery for sample WQ2347-11 was low and outside the laboratory established acceptance limits. This is possibly due to matrix interference.

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

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.

Hania Crowl
Authorized Signature
08/31/00

0000004

KATAHI ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT

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

LAB (WORK ORDER) # WQ 2347

PAGE: 1 / OF 1

COOLER: 1 / OF 1

CLIENT: TRC

COC# _____
 SDG# _____
 DATE / TIME RECEIVED: 8-4-00 1000
 DELIVERED BY: FedEx
 RECEIVED BY: SC
 LIMS ENTRY BY: APC
 LIMS REVIEW BY / PM: APC

PROJECT: _____

- | | 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 (Y) 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 | | |

TEMP BLANK TEMP (°C) = _____
 COOLER TEMP (°C) = 9.2 NA
 (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)
APC notified and Service Team on the 8/4/00 - no cool

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

LOG - IN NOTES⁽¹⁾:

5000000

⁽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.

SURFACE 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: WQ1754-8
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 88 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method
PSS-1	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		7.5	mg/Kg	1.1	5.6	5.0	06/25/2000	JCG
o-Terphenyl		74	%	1.1			06/25/2000	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: WQ1754-9
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 89 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method
PSS-2	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		110	mg/Kg	2.2	11	5.0	06/26/2000	JCG
o-Terphenyl		103	%	2.2			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: WQ1754-10
SDG: WQ1754
Report Date: 06/28/2000
PO No.: 06.16.00
Project: MIDDLETOWN BROWNFIELDS
Percent Solids: 85 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
PSS-3	Solid	06/14/2000	06/16/2000	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	12	5.0	06/26/2000	JCG
o-Terphenyl		98	%	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: WQ1754-11
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 78 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
PSS-4	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		47	mg/Kg	1.3	6.4	5.0	06/25/2000	JCG
o-Terphenyl		109	%	1.3			06/25/2000	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: WQ1754-12
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 84 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
PSS-5	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		17	mg/Kg	1.2	6.0	5.0	06/25/2000	JCG
o-Terphenyl		77	%	1.2			06/25/2000	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: WQ1754-13
SDG: WQ1754
Report Date: 06/28/2000
PO No.: 06.16.00
Project: MIDDLETOWN BROWNFIELDS
Percent Solids: 88 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method			
PSS-6	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550			

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		150	mg/Kg	4.5	22	5.0	06/27/2000	JCG
o-Terphenyl		95	%	4.5			06/27/2000	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.

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: PSS-1

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-008V

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	435			P	1
7440-43-9	CADMIUM	0.71	B		P	1
7440-47-3	CHROMIUM	1.6	B		P	1
7439-92-1	LEAD	8.4			P	1
7439-97-6	MERCURY	0.05	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

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: PSS-2

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-009V

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	413			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	1.8	B		P	1
7439-92-1	LEAD	42.0			P	1
7439-97-6	MERCURY	0.04	B	N	CV	1
7782-49-2	SELENIUM	3.3	B		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORMI-IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: PSS-3

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-010V

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	382			P	1
7440-43-9	CADMIUM	0.61	B		P	1
7440-47-3	CHROMIUM	8.0	B		P	1
7439-92-1	LEAD	79.5			P	1
7439-97-6	MERCURY	0.06	B	N	CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORMI-IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: PSS-4

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-011V

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.7	B		P	1
7440-39-3	BARIUM	475			P	1
7440-43-9	CADMIUM	0.36	B		P	1
7440-47-3	CHROMIUM	4.9	B		P	1
7439-92-1	LEAD	12.4			P	1
7439-97-6	MERCURY	0.06	B	N	CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.3	B		P	1

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: PSS-5

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-012V

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	474			P	1
7440-43-9	CADMIUM	0.43	B		P	1
7440-47-3	CHROMIUM	3.7	B		P	1
7439-92-1	LEAD	7.0			P	1
7439-97-6	MERCURY	0.06	B	N	CV	1
7782-49-2	SELENIUM	4.0	B		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: PSS-6

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-013V

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	275			P	1
7440-43-9	CADMIUM	1.8	B		P	1
7440-47-3	CHROMIUM	4.9	B		P	1
7439-92-1	LEAD	7.3			P	1
7439-97-6	MERCURY	0.04	B	N	CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

FORMI-IN

SOIL ANALYTICAL DATA



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Proj. ID: MBF

Lab Sample ID: WQ2000-1
 SDG: WQ2000
 Report Date: 07/21/2000
 PO No.: 07.08.00
 Project: 25863 0020 00000
 Percent Solids: 96 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-1A	Solid	07/06/2000	07/08/2000	07/14/2000	LRS	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		20	mg/Kg	1.0	5.2	5.0	07/18/2000	JCK
o-Terphenyl		80	%	1.0			07/18/2000	JCK



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Proj. ID: MBF

Lab Sample ID: WQ2000-2
SDG: WQ2000
Report Date: 07/21/2000
PO No.: 07.08.00
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-1B	Solid	07/06/2000	07/08/2000	07/14/2000	LRS	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		650	mg/Kg	22	110	5.0	07/20/2000	JCK
o-Terphenyl	DL			22			07/20/2000	JCK

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: MBF

Lab Sample ID: WQ2000-3
 SDG: WQ2000
 Report Date: 07/21/2000
 PO No.: 07.08.00
 Project: 25863 0020 00000
 Percent Solids: 78 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-1C	Solid	07/06/2000	07/08/2000	07/14/2000	LRS	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		65	mg/Kg	1.3	6.4	5.0	07/18/2000	JCK
o-Terphenyl		82	%	1.3			07/18/2000	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: WQ1754-4
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 94 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date	Date	Date	Prep			
		Sampled	Received	Prepped	Chemist	Preparative Method		
B-5	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		13	mg/Kg	1.1	5.3	5.0	06/26/2000	JCG
o-Terphenyl		72	%	1.1			06/26/2000	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: WQ1754-6
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 85 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-2B	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		37	mg/Kg	1.2	5.9	5.0	06/23/2000	JCG
o-Terphenyl		73	%	1.2			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: WQ1754-7
 SDG: WQ1754
 Report Date: 06/28/2000
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELDS
 Percent Solids: 76 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-2C	Solid	06/14/2000	06/16/2000	06/21/2000	GST	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		16	mg/Kg	1.3	6.5	5.0	06/23/2000	JCG
o-Terphenyl		70	%	1.3			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: MBF

Lab Sample ID: WQ2000-4
 SDG: WQ2000
 Report Date: 07/21/2000
 PO No.: 07.08.00
 Project: 25863 0020 00000
 Percent Solids: 89 %
 Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-3	Solid	07/06/2000	07/08/2000	07/14/2000	LRS	SW846 3550		

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		12	mg/Kg	1.1	5.6	5.0	07/20/2000	JCK
o-Terphenyl		68	%	1.1			07/20/2000	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: WQ1911-8
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-4A	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		200	mg/Kg	3.2	16	5.0	07/15/2000	JCK	
o-Terphenyl		66	%	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: WQ1911-9
SDG: WQ1911
Report Date: 07/17/2000
PO No.: 06.29.00
Project: 25863 0020 00000
Percent Solids: 78 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method
B-4B	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		1700	mg/Kg	64	320	5.0	07/15/2000	JCK
o-Terphenyl		DL		64			07/15/2000	JCK

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

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2000-1
 SDG: WQ2000
 Report Date: 7/14/00
 PO No. : 07.08.00
 Project: 25863 0020 00000
 % Solids: 96
 Method: SW8260
 Date Analyzed: 7/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1A	SL	7/6/00	7/8/00	7/10/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.89	5	5
CHLOROMETHANE	<5	ug/Kg	0.89	5	5
VINYL CHLORIDE	<10	ug/Kg	0.89	10	10
BROMOMETHANE	<5	ug/Kg	0.89	5	5
CHLOROETHANE	<5	ug/Kg	0.89	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.89	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.89	5	5
METHYLENE CHLORIDE	B12	ug/Kg	0.89	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.89	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.89	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.89	5	5
CHLOROFORM	<5	ug/Kg	0.89	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.89	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.89	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.89	5	5
BENZENE	<5	ug/Kg	0.89	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.89	5	5
TRICHLOROETHENE	<5	ug/Kg	0.89	5	5
DIBROMOMETHANE	<5	ug/Kg	0.89	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.89	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.89	5	5
TOLUENE	<5	ug/Kg	0.89	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.89	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.89	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.89	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.89	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.89	5	5
CHLOROBENZENE	<5	ug/Kg	0.89	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.89	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: WQ2000-1
 SDG: WQ2000
 Report Date: 7/14/00
 PO No. : 07.08.00
 Project: 25863 0020 00000
 % Solids: 96
 Method: SW8260
 Date Analyzed: 7/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1A	SL	7/6/00	7/8/00	7/10/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.89	5	5
BROMOFORM	<5	ug/Kg	0.89	5	5
STYRENE	<5	ug/Kg	0.89	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.89	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.89	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.89	5	5
BROMOBENZENE	<5	ug/Kg	0.89	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.89	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.89	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.89	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.89	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.89	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.89	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.89	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.89	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.89	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.89	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.89	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.89	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.89	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.89	5	5
NAPHTHALENE	<5	ug/Kg	0.89	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.89	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.89	5	5
MTBE	<5	ug/Kg	0.89	5	5
ACETONE	J8	ug/Kg	0.89	10	10
2-BUTANONE	<10	ug/Kg	0.89	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.89	10	10
2-HEXANONE	<10	ug/Kg	0.89	10	10
M+P-XYLENE	<5	ug/Kg	0.89	5	5
O-XYLENE	<5	ug/Kg	0.89	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.89	5	5
VINYL ACETATE	<5.0	ug/Kg	0.89	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: WQ2000-1
SDG: WQ2000
Report Date: 7/14/00
PO No. : 07.08.00
Project: 25863 0020 00000
% Solids: 96
Method: SW8260
Date Analyzed: 7/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1A	SL	7/6/00	7/8/00	7/10/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.89	5	5
DIETHYL ETHER	<5	ug/Kg	0.89	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.89	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/Kg	0.89	5	5
DIBROMOFLUOROMETHANE	85	%	0.89		
1,2-DICHLOROETHANE-D4	84	%	0.89		
TOLUENE-D8	81	%	0.89		
P-BROMOFLUOROBENZENE	69	%	0.89		

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: WQ2000-2
SDG: WQ2000
Report Date: 7/14/00
PO No. : 07.08.00
Project: 25863 0020 00000
% Solids: 90
Method: SW8260
Date Analyzed: 7/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1B	SL	7/6/00	7/8/00	7/10/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.87	5	5
CHLOROMETHANE	<5	ug/Kg	0.87	5	5
VINYL CHLORIDE	<10	ug/Kg	0.87	10	10
BROMOMETHANE	<5	ug/Kg	0.87	5	5
CHLOROETHANE	<5	ug/Kg	0.87	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.87	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.87	5	5
METHYLENE CHLORIDE	B6	ug/Kg	0.87	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.87	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.87	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.87	5	5
CHLOROFORM	<5	ug/Kg	0.87	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.87	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.87	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.87	5	5
BENZENE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.87	5	5
TRICHLOROETHENE	<5	ug/Kg	0.87	5	5
DIBROMOMETHANE	<5	ug/Kg	0.87	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.87	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.87	5	5
TOLUENE	6	ug/Kg	0.87	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.87	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.87	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.87	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.87	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.87	5	5
CHLOROBENZENE	<5	ug/Kg	0.87	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.87	5	5

Report Notes: B, \$, O-13



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-6
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 85
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2B	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	0.89	5	5
CHLOROMETHANE	<5	ug/Kg	0.89	5	5
VINYL CHLORIDE	<10	ug/Kg	0.89	10	10
BROMOMETHANE	<5	ug/Kg	0.89	5	5
CHLOROETHANE	<5	ug/Kg	0.89	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.89	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.89	5	5
METHYLENE CHLORIDE	B15	ug/Kg	0.89	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.89	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.89	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.89	5	5
CHLOROFORM	<5	ug/Kg	0.89	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.89	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.89	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.89	5	5
BENZENE	8	ug/Kg	0.89	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.89	5	5
TRICHLOROETHENE	<5	ug/Kg	0.89	5	5
DIBROMOMETHANE	<5	ug/Kg	0.89	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.89	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.89	5	5
TOLUENE	<5	ug/Kg	0.89	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.89	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.89	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.89	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.89	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.89	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.89	5	5
CHLOROBENZENE	<5	ug/Kg	0.89	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.89	5	5

Report Notes: B, J, S, O-13



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombella
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1754-6
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 85
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2B	SL	6/14/00	6/16/00	6/19/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.89	5	5
BROMOFORM	<5	ug/Kg	0.89	5	5
STYRENE	<5	ug/Kg	0.89	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.89	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.89	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.89	5	5
BROMOBENZENE	<5	ug/Kg	0.89	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.89	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.89	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.89	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.89	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.89	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.89	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.89	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.89	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.89	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.89	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.89	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.89	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.89	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.89	5	5
NAPHTHALENE	B5	ug/Kg	0.89	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.89	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.89	5	5
MTBE	<5	ug/Kg	0.89	5	5
ACETONE	J7	ug/Kg	0.89	10	10
2-BUTANONE	<10	ug/Kg	0.89	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.89	10	10
2-HEXANONE	<10	ug/Kg	0.89	10	10
M+P-XYLENE	<5	ug/Kg	0.89	5	5
O-XYLENE	<5	ug/Kg	0.89	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.89	5	5
VINYL ACETATE	<5.0	ug/Kg	0.89	5.0	5.0

Report Notes: B, J, \$, O-13



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MIDDLETOWN

Lab Number: WQ1754-6
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 85
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2B	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	0.89	5	5
DIETHYL ETHER	<5	ug/Kg	0.89	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.89	10	10
2-CHLOROETHYLVINYLETHER	<10	ug/Kg	0.89	10	10
DIBROMOFLUOROMETHANE	\$156	%	0.89		
1,2-DICHLOROETHANE-D4	144	%	0.89		
TOLUENE-D8	125	%	0.89		
P-BROMOFLUOROBENZENE	65	%	0.89		

Report Notes: B, J, \$, O-13



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-6RA
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 85
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2B	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	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	B12	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	6	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, J, \$, O-13



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-6RA
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 85
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2B	SL	6/14/00	6/16/00	6/19/00	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	B5	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	J8	ug/Kg	0.85	10	10
2-BUTANONE	J8	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, J, \$, O-13



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-6RA
SDG: WQ1754
Report Date: 6/27/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 85
Method: SW8260
Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2B	SL	6/14/00	6/16/00	6/19/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
CARBON DISULFIDE	J4	ug/Kg	0.85	5	5
DIETHYL ETHER	<5	ug/Kg	0.85	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.85	10	10
2-CHLOROETHYL VINYLETHER	<10	ug/Kg	0.85	10	10
DIBROMOFLUOROMETHANE	\$149	%	0.85		
1,2-DICHLOROETHANE-D4	143	%	0.85		
TOLUENE-D8	113	%	0.85		
P-BROMOFLUOROBENZENE	\$49	%	0.85		

Report Notes: B, J, \$, O-13



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-7
SDG: WQ1754
Report Date: 6/27/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 76
Method: SW8260
Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2C	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	0.96	5	5
CHLOROMETHANE	<5	ug/Kg	0.96	5	5
VINYL CHLORIDE	<10	ug/Kg	0.96	10	10
BROMOMETHANE	<5	ug/Kg	0.96	5	5
CHLOROETHANE	<5	ug/Kg	0.96	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.96	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.96	5	5
METHYLENE CHLORIDE	B13	ug/Kg	0.96	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.96	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.96	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.96	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.96	5	5
CHLOROFORM	J5	ug/Kg	0.96	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.96	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.96	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.96	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.96	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.96	5	5
BENZENE	<5	ug/Kg	0.96	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.96	5	5
TRICHLOROETHENE	<5	ug/Kg	0.96	5	5
DIBROMOMETHANE	<5	ug/Kg	0.96	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.96	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.96	5	5
TOLUENE	<5	ug/Kg	0.96	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.96	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.96	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.96	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.96	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.96	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.96	5	5
CHLOROBENZENE	<5	ug/Kg	0.96	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.96	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: WQ1754-7
 SDG: WQ1754
 Report Date: 6/27/00
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 76
 Method: SW8260
 Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2C	SL	6/14/00	6/16/00	6/19/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.96	5	5
BROMOFORM	<5	ug/Kg	0.96	5	5
STYRENE	<5	ug/Kg	0.96	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.96	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.96	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.96	5	5
BROMOBENZENE	<5	ug/Kg	0.96	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.96	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.96	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.96	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.96	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.96	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.96	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.96	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.96	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.96	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.96	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.96	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.96	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.96	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.96	5	5
NAPHTHALENE	<5	ug/Kg	0.96	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.96	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.96	5	5
MTBE	<5	ug/Kg	0.96	5	5
ACETONE	J9	ug/Kg	0.96	10	10
2-BUTANONE	<10	ug/Kg	0.96	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.96	10	10
2-HEXANONE	<10	ug/Kg	0.96	10	10
M+P-XYLENE	<5	ug/Kg	0.96	5	5
O-XYLENE	<5	ug/Kg	0.96	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.96	5	5
VINYL ACETATE	<5.0	ug/Kg	0.96	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: WQ1754-7
SDG: WQ1754
Report Date: 6/27/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 76
Method: SW8260
Date Analyzed: 6/19/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2C	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	0.96	5	5
DIETHYL ETHER	<5	ug/Kg	0.96	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.96	10	10
2-CHLOROETHYLVINYLEETHER	<10	ug/Kg	0.96	10	10
DIBROMOFUOROMETHANE	120	%	0.96		
1,2-DICHLOROETHANE-D4	118	%	0.96		
TOLUENE-D8	121	%	0.96		
P-BROMOFUOROENZENE	104	%	0.96		

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: WQ2000-4
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
B-3	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	0.87	5	5
CHLOROMETHANE	<5	ug/Kg	0.87	5	5
VINYL CHLORIDE	<10	ug/Kg	0.87	10	10
BROMOMETHANE	<5	ug/Kg	0.87	5	5
CHLOROETHANE	<5	ug/Kg	0.87	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.87	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.87	5	5
METHYLENE CHLORIDE	B10	ug/Kg	0.87	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.87	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.87	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.87	5	5
CHLOROFORM	<5	ug/Kg	0.87	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.87	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.87	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.87	5	5
BENZENE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.87	5	5
TRICHLOROETHENE	<5	ug/Kg	0.87	5	5
DIBROMOMETHANE	<5	ug/Kg	0.87	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.87	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.87	5	5
TOLUENE	<5	ug/Kg	0.87	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.87	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.87	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.87	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.87	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.87	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.87	5	5
CHLOROBENZENE	<5	ug/Kg	0.87	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.87	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: MBF

Lab Number: WQ2000-4
 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
B-3	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	0.87	5	5
BROMOFORM	<5	ug/Kg	0.87	5	5
STYRENE	<5	ug/Kg	0.87	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.87	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.87	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.87	5	5
BROMOBENZENE	<5	ug/Kg	0.87	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.87	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.87	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.87	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.87	5	5
ISOT-BUTYLBENZENE	<5	ug/Kg	0.87	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.87	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.87	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.87	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.87	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.87	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.87	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.87	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.87	5	5
NAPHTHALENE	<5	ug/Kg	0.87	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.87	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.87	5	5
MTBE	<5	ug/Kg	0.87	5	5
ACETONE	26	ug/Kg	0.87	10	10
2-BUTANONE	<10	ug/Kg	0.87	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.87	10	10
2-HEXANONE	<10	ug/Kg	0.87	10	10
M+P-XYLENE	<5	ug/Kg	0.87	5	5
O-XYLENE	<5	ug/Kg	0.87	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.87	5	5
VINYL ACETATE	<5.0	ug/Kg	0.87	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: MBF

Lab Number: WQ2000-4
 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
B-3	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	0.87	5	5
DIETHYL ETHER	<5	ug/Kg	0.87	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.87	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/Kg	0.87	5	5
DIBROMOFLUOROMETHANE	106	%	0.87		
1,2-DICHLOROETHANE-D4	106	%	0.87		
TOLUENE-D8	103	%	0.87		
P-BROMOFLUOROBENZENE	93	%	0.87		

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: WQ1911-8
 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-4A	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	0.73	5	5
CHLOROMETHANE	<5	ug/Kg	0.73	5	5
VINYL CHLORIDE	<10	ug/Kg	0.73	10	10
BROMOMETHANE	<5	ug/Kg	0.73	5	5
CHLOROETHANE	<5	ug/Kg	0.73	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.73	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.73	5	5
METHYLENE CHLORIDE	87	ug/Kg	0.73	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.73	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.73	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.73	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.73	5	5
CHLOROFORM	<5	ug/Kg	0.73	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.73	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.73	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.73	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.73	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.73	5	5
BENZENE	<5	ug/Kg	0.73	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.73	5	5
TRICHLOROETHENE	<5	ug/Kg	0.73	5	5
DIBROMOMETHANE	<5	ug/Kg	0.73	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.73	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.73	5	5
TOLUENE	<5	ug/Kg	0.73	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.73	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.73	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.73	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.73	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.73	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.73	5	5
CHLOROBENZENE	<5	ug/Kg	0.73	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.73	5	5
ETHYLBENZENE	<5	ug/Kg	0.73	5	5
BROMOFORM	<5	ug/Kg	0.73	5	5
STYRENE	<5	ug/Kg	0.73	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: WQ1911-8
 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-4A	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	0.73	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.73	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.73	5	5
BROMOBENZENE	<5	ug/Kg	0.73	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.73	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.73	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.73	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.73	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.73	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.73	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.73	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.73	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.73	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.73	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.73	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.73	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.73	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.73	5	5
NAPHTHALENE	<5	ug/Kg	0.73	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.73	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.73	5	5
MTBE	<5	ug/Kg	0.73	5	5
ACETONE	<10	ug/Kg	0.73	10	10
2-BUTANONE	<10	ug/Kg	0.73	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.73	10	10
2-HEXANONE	<10	ug/Kg	0.73	10	10
M+P-XYLENE	<5	ug/Kg	0.73	5	5
O-XYLENE	<5	ug/Kg	0.73	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.73	5	5
VINYL ACETATE	<5.0	ug/Kg	0.73	5.0	5.0
CARBON DISULFIDE	<5	ug/Kg	0.73	5	5
DIETHYL ETHER	<5	ug/Kg	0.73	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.73	10	10
2-CHLOROETHYLVINYLEETHER	<5	ug/Kg	0.73	5	5
DIBROMOFLUOROMETHANE	112	%	0.73		
1,2-DICHLOROETHANE-D4	114	%	0.73		

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: WQ1911-8
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-4A	SL	6/27/00	6/29/00	7/1/00	BEG	5035	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	112	%	0.73		
P-BROMOFLUOROBENZENE	101	%	0.73		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Prof. ID: MIDDLETOWN

Lab Number: WQ1754-5
 SDG: WQ1754
 Report Date: 6/30/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 94
 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-2A	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: WQ1754-5
 SDG: WQ1754
 Report Date: 6/30/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 94
 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-2A	SL	6/14/00	6/16/00	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-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	28	%	1.1		
PHENOL-D6	54	%	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: WQ1754-5
SDG: WQ1754
Report Date: 6/30/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 94
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-2A	SL	6/14/00	6/16/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	14	%	1.1		
2-FLUOROBIPHENYL	39	%	1.1		
2,4,6-TRIBROMOPHENOL	75	%	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: WQ1754-4
SDG: WQ1754
Report Date: 6/30/00
PO No.: 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 94
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	6/14/00	6/16/00	6/23/2000	LRS	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: WQ1754-4
 SDG: WQ1754
 Report Date: 6/30/00
 PO No.: 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 94
 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	6/14/00	6/16/00	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-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: WQ1754-4
SDG: WQ1754
Report Date: 6/30/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 94
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	6/14/00	6/16/00	6/23/2000	LRS	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	70	%	1.1		
2-FLUOROBIPHENYL	76	%	1.1		
2,4,6-TRIBROMOPHENOL	76	%	1.1		
TERPHENYL-D14	98	%	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: WQ1911-8
 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-4A	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: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1911-8
 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-4A	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	500	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	740	ug/Kg	1.1	360	330
PYRENE	610	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	420	ug/Kg	1.1	360	330
CHRYSENE	J340	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	390	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	J320	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	J200	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	58	%	1.1		
PHENOL-D6	61	%	1.1		

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: WQ1911-8
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-4A	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	59	%	1.1		
2-FLUOROBIPHENYL	59	%	1.1		
2,4,6-TRIBROMOPHENOL	67	%	1.1		
TERPHENYL-D14	66	%	1.1		

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: WQ1911-9
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 78
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-4B	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
PHENOL	<430	ug/Kg	1.3	430	330
BIS(2-CHLOROETHYL)ETHER	<430	ug/Kg	1.3	430	330
2-CHLOROPHENOL	<430	ug/Kg	1.3	430	330
1,3-DICHLOROBENZENE	<430	ug/Kg	1.3	430	330
1,4-DICHLOROBENZENE	<430	ug/Kg	1.3	430	330
1,2-DICHLOROBENZENE	<430	ug/Kg	1.3	430	330
2-METHYLPHENOL	<430	ug/Kg	1.3	430	330
2,2'-OXYBIS(1-CHLOROPROPANE)	<430	ug/Kg	1.3	430	330
4-METHYLPHENOL	<430	ug/Kg	1.3	430	330
N-NITROSODI-N-PROPYLAMINE	<430	ug/Kg	1.3	430	330
HEXACHLOROETHANE	<430	ug/Kg	1.3	430	330
NITROBENZENE	<430	ug/Kg	1.3	430	330
ISOPHORONE	<430	ug/Kg	1.3	430	330
2-NITROPHENOL	<430	ug/Kg	1.3	430	330
2,4-DIMETHYLPHENOL	<430	ug/Kg	1.3	430	330
BIS(2-CHLOROETHOXY)METHANE	<430	ug/Kg	1.3	430	330
2,4-DICHLOROPHENOL	<430	ug/Kg	1.3	430	330
1,2,4-TRICHLOROBENZENE	<430	ug/Kg	1.3	430	330
NAPHTHALENE	<430	ug/Kg	1.3	430	330
4-CHLOROANILINE	<430	ug/Kg	1.3	430	330
HEXACHLOROBUTADIENE	<430	ug/Kg	1.3	430	330
4-CHLORO-3-METHYLPHENOL	<430	ug/Kg	1.3	430	330
2-METHYLNAPHTHALENE	<430	ug/Kg	1.3	430	330
HEXACHLOROCYCLOPENTADIEN	<430	ug/Kg	1.3	430	330
2,4,6-TRICHLOROPHENOL	<430	ug/Kg	1.3	430	330
2,4,5-TRICHLOROPHENOL	<1100	ug/Kg	1.3	1100	820
2-CHLORONAPHTHALENE	<430	ug/Kg	1.3	430	330
2-NITROANILINE	<1100	ug/Kg	1.3	1100	820
DIMETHYL PHTHALATE	<430	ug/Kg	1.3	430	330
ACENAPHTHYLENE	<430	ug/Kg	1.3	430	330
2,6-DINITROTOLUENE	<430	ug/Kg	1.3	430	330
3-NITROANILINE	<1100	ug/Kg	1.3	1100	820
ACENAPHTHENE	J420	ug/Kg	1.3	430	330

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: WQ1911-9
 SDG: WQ1911
 Report Date: 7/18/00
 PO No. : 06.29.00
 Project: 25863 0020 00000
 % Solids: 78
 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-4B	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	<1100	ug/Kg	1.3	1100	820
4-NITROPHENOL	<1100	ug/Kg	1.3	1100	820
DIBENZOFURAN	660	ug/Kg	1.3	430	330
2,4-DINITROTOLUENE	<430	ug/Kg	1.3	430	330
DIETHYLPHTHALATE	<430	ug/Kg	1.3	430	330
4-CHLOROPHENYL-PHENYLETHE	<430	ug/Kg	1.3	430	330
FLUORENE	1000	ug/Kg	1.3	430	330
4-NITROANILINE	<1100	ug/Kg	1.3	1100	820
4,6-DINITRO-2-METHYLPHENOL	<1100	ug/Kg	1.3	1100	820
N-NITROSODIPHENYLAMINE	<430	ug/Kg	1.3	430	330
4-BROMOPHENYL-PHENYLETHER	<430	ug/Kg	1.3	430	330
HEXACHLOROBENZENE	<430	ug/Kg	1.3	430	330
PENTACHLOROPHENOL	<1100	ug/Kg	1.3	1100	820
PHENANTHRENE	2600	ug/Kg	1.3	430	330
ANTHRACENE	<430	ug/Kg	1.3	430	330
CARBAZOLE	<430	ug/Kg	1.3	430	330
DI-N-BUTYLPHTHALATE	<430	ug/Kg	1.3	430	330
FLUORANTHENE	<430	ug/Kg	1.3	430	330
PYRENE	<430	ug/Kg	1.3	430	330
BUTYLBENZYLPHTHALATE	<430	ug/Kg	1.3	430	330
3,3'-DICHLOROBENZIDINE	<430	ug/Kg	1.3	430	330
BENZO[A]ANTHRACENE	<430	ug/Kg	1.3	430	330
CHRYSENE	<430	ug/Kg	1.3	430	330
BIS(2-ETHYLHEXYL)PHTHALATE	<430	ug/Kg	1.3	430	330
DI-N-OCTYLPHTHALATE	<430	ug/Kg	1.3	430	330
BENZO[B]FLUORANTHENE	<430	ug/Kg	1.3	430	330
BENZO[K]FLUORANTHENE	<430	ug/Kg	1.3	430	330
BENZO[A]PYRENE	<430	ug/Kg	1.3	430	330
INDENO[1,2,3-CD]PYRENE	<430	ug/Kg	1.3	430	330
DIBENZ[A,H]ANTHRACENE	<430	ug/Kg	1.3	430	330
BENZO[G,H,I]PERYLENE	<430	ug/Kg	1.3	430	330
2-FLUOROPHENOL	63	%	1.3		
PHENOL-D6	66	%	1.3		

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: WQ1911-9
SDG: WQ1911
Report Date: 7/18/00
PO No. : 06.29.00
Project: 25863 0020 00000
% Solids: 78
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-4B	SL	6/27/00	6/29/00	7/5/2000	DPD	EPA 3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NITROBENZENE-D5	79	%	1.3		
2-FLUOROBIPHENYL	68	%	1.3		
2,4,6-TRIBROMOPHENOL	57	%	1.3		
TERPHENYL-D14	67	%	1.3		

Report Notes: J

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-1A

Matrix: WATER

SDG Name: WQ2000

Percent Solids: 0.00

Lab Sample ID: WQ2000-001V

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	240			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	2.1	B		P	1
7439-92-1	LEAD	3.6	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

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-1B

Matrix: WATER

SDG Name: WQ2000

Percent Solids: 0.00

Lab Sample ID: WQ2000-002V

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	286			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	4.8	B		P	1
7439-92-1	LEAD	24.9			P	1
7439-97-6	MERCURY	0.08	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-1C

Matrix: WATER

SDG Name: WQ2000

Percent Solids: 0.00

Lab Sample ID: WQ2000-003V

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	345			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	5.1	B		P	1
7439-92-1	LEAD	6.8			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

Comments:

FORM I - IN

Sample Data Summary 000022

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-2A

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-005V

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	303			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	U		P	1
7439-92-1	LEAD	1.9	B		P	1
7439-97-6	MERCURY	0.06	B	N	CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.04	U		P	1

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-5

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-004V

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	276			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	U		P	1
7439-92-1	LEAD	2.8	B		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

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-2B

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-006V

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	143			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	U		P	1
7439-92-1	LEAD	1.48	U		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

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-2C

Matrix: WATER

SDG Name: WQ1754

Percent Solids: 0.00

Lab Sample ID: WQ1754-007V

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	127			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	U		P	1
7439-92-1	LEAD	1.48	U		P	1
7439-97-6	MERCURY	0.06	B	N	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-3

Matrix: WATER

SDG Name: WQ2000

Percent Solids: 0.00

Lab Sample ID: WQ2000-004V

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	404			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	6.8	B		P	1
7439-92-1	LEAD	7.7			P	1
7439-97-6	MERCURY	0.02	U		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.0	B		P	1

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-4A

Matrix: WATER

SDG Name: WQ1911

Percent Solids: 0.00

Lab Sample ID: WQ1911-008V

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	231			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	2.6	B		P	1
7439-92-1	LEAD	11.5			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

Proj. ID: MBF

Lab Sample ID: WQ2347-8
SDG: WQ2347
Report Date: 08/21/2000
PO No.: 08.04.00
Project: 25863-0020-00000
Percent Solids: N/A
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date	Date	Date	Prep		Date Analyzed	Analyst
		Sampled	Received	Prepped	Chemist	Preparative Method		
MW-2	Aqueous	08/02/2000	08/04/2000	08/08/2000	LRS	SW846 3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		500	ug/L	1.0	50	50	08/19/2000	JCK
o-Terphenyl		97	%	1.0			08/19/2000	JCK



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Lab Sample ID: WQ2347-9
 SDG: WQ2347
 Report Date: 08/21/2000
 PO No.: 08.04.00
 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		
MW-4	Aqueous	08/02/2000	08/04/2000	08/08/2000	LRS	SW846 3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		< 50	ug/L	1.0	50	50	08/19/2000	JCK
o-Terphenyl		98	%	1.0			08/19/2000	JCK



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Proj. ID: MBF

Lab Sample ID: WQ2347-10
SDG: WQ2347
Report Date: 08/21/2000
PO No.: 08.04.00
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			
MW-M6	Aqueous	08/02/2000	08/04/2000	08/08/2000	LRS	SW846 3510			
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst	
Total Petroleum Hydrocarbons		9800	ug/L	4.7	230	50	08/19/2000	JCK	
o-Terphenyl		97	%	4.7			08/19/2000	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: MBF

Lab Sample ID: WQ2347-11
SDG: WQ2347
Report Date: 08/21/2000
PO No.: 08.04.00
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		
MW-M7	Aqueous	08/02/2000	08/04/2000	08/08/2000	LRS	SW846 3510		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		7700	ug/L	2.8	140	50	08/19/2000	JCK
o-Terphenyl	MI	10	%	2.8			08/19/2000	JCK

Report Notes:

'MI' denotes surrogate recovery out of criteria due to matrix interference.

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

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2347-1
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-MI	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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
1,2-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: MBF

Lab Number: WQ2347-1
 SDG: WQ2347
 Report Date: 8/21/00
 PO No.: 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-MI	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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
3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
ISERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROENZENE	<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-TRICHLOROENZENE	<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-TRICHLOROENZENE	<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: MBF

Lab Number: WQ2347-1
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-MI	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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	102	%	1.0		
1,2-DICHLOROETHANE-D4	92	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	98	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MBF

Lab Number: WQ2347-3
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-1	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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
1,2-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: MBF

Lab Number: WQ2347-3
 SDG: WQ2347
 Report Date: 8/21/00
 PO No.: 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-1	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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
3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
ISOBUTYLBENZENE	<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: MBF

Lab Number: WQ2000-2
 SDG: WQ2000
 Report Date: 7/14/00
 PO No.: 07.08.00
 Project: 25863 0020 00000
 % Solids: 90
 Method: SW8260
 Date Analyzed: 7/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1B	SL	7/6/00	7/8/00	7/10/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.87	5	5
BROMOFORM	<5	ug/Kg	0.87	5	5
STYRENE	<5	ug/Kg	0.87	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.87	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.87	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.87	5	5
BROMOBENZENE	<5	ug/Kg	0.87	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.87	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.87	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.87	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.87	5	5
ERT-BUTYLBENZENE	<5	ug/Kg	0.87	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.87	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.87	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.87	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.87	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.87	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.87	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.87	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.87	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.87	5	5
NAPHTHALENE	38	ug/Kg	0.87	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.87	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.87	5	5
MTBE	<5	ug/Kg	0.87	5	5
ACETONE	<10	ug/Kg	0.87	10	10
2-BUTANONE	<10	ug/Kg	0.87	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.87	10	10
2-HEXANONE	<10	ug/Kg	0.87	10	10
M+P-XYLENE	<5	ug/Kg	0.87	5	5
O-XYLENE	<5	ug/Kg	0.87	5	5
1,3,5 TRICHLOROBENZENE	<5	ug/Kg	0.87	5	5
VINYL ACETATE	<5.0	ug/Kg	0.87	5.0	5.0

Report Notes: B, \$, O-13



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2000-2
SDG: WQ2000
Report Date: 7/14/00
PO No.: 07.08.00
Project: 25863 0020 00000
% Solids: 90
Method: SW8260
Date Analyzed: 7/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1B	SL	7/6/00	7/8/00	7/10/00	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.87	5	5
DIETHYL ETHER	<5	ug/Kg	0.87	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.87	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/Kg	0.87	5	5
DIBROMOFLUOROMETHANE	95	%	0.87		
1,2-DICHLOROETHANE-D4	83	%	0.87		
TOLUENE-D8	89	%	0.87		
P-BROMOFLUOROBENZENE	\$55	%	0.87		

Report Notes: B, \$, O-13



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2000-2RA
SDG: WQ2000
Report Date: 7/14/00
PO No. : 07.08.00
Project: 25863 0020 00000
% Solids: 90
Method: SW8260
Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1B	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	JB5	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
1,1,2-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, J, \$



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MBF

Lab Number: WQ2000-2RA
 SDG: WQ2000
 Report Date: 7/14/00
 PO No. : 07.08.00
 Project: 25863 0020 00000
 % Solids: 90
 Method: SW8260
 Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1B	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
ERT-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	28	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	ug/Kg	1.0	5	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: WQ2000-2RA
SDG: WQ2000
Report Date: 7/14/00
PO No.: 07.08.00
Project: 25863 0020 00000
% Solids: 90
Method: SW8260
Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1B	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-CHLOROETHYLVINYLETHER	<5	ug/Kg	1.0	5	5
DIBROMOFLUOROMETHANE	101	%	1.0		
1,2-DICHLOROETHANE-D4	98	%	1.0		
TOLUENE-D8	87	%	1.0		
P-BROMOFLUOROBENZENE	\$62	%	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: MBF

Lab Number: WQ2000-3
SDG: WQ2000
Report Date: 7/14/00
PO No. : 07.08.00
Project: 25863 0020 00000
% Solids: 78
Method: SW8260
Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1C	SL	7/6/00	7/8/00	7/11/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<7	ug/Kg	1.4	7	5
CHLOROMETHANE	<7	ug/Kg	1.4	7	5
VINYL CHLORIDE	<14	ug/Kg	1.4	14	10
BROMOMETHANE	<7	ug/Kg	1.4	7	5
CHLOROETHANE	<7	ug/Kg	1.4	7	5
TRICHLOROFLUOROMETHANE	<7	ug/Kg	1.4	7	5
1,1-DICHLOROETHENE	<7	ug/Kg	1.4	7	5
METHYLENE CHLORIDE	B16	ug/Kg	1.4	7	5
1,2-DICHLOROETHENE (TRANS)	<7	ug/Kg	1.4	7	5
1,1-DICHLOROETHANE	<7	ug/Kg	1.4	7	5
1,2-DICHLOROETHENE (CIS)	<7	ug/Kg	1.4	7	5
1,2-DICHLOROPROPANE	<7	ug/Kg	1.4	7	5
CHLOROFORM	<7	ug/Kg	1.4	7	5
BROMOCHLOROMETHANE	<7	ug/Kg	1.4	7	5
1,1,1-TRICHLOROETHANE	<7	ug/Kg	1.4	7	5
1,2-DICHLOROETHANE	<7	ug/Kg	1.4	7	5
1,1-DICHLOROPROPENE	<7	ug/Kg	1.4	7	5
CARBON TETRACHLORIDE	<7	ug/Kg	1.4	7	5
BENZENE	<7	ug/Kg	1.4	7	5
1,2-DICHLOROPROPANE	<7	ug/Kg	1.4	7	5
TRICHLOROETHENE	<7	ug/Kg	1.4	7	5
DIBROMOMETHANE	<7	ug/Kg	1.4	7	5
BROMODICHLOROMETHANE	<7	ug/Kg	1.4	7	5
CIS-1,3-DICHLOROPROPENE	<7	ug/Kg	1.4	7	5
TOLUENE	<7	ug/Kg	1.4	7	5
TRANS-1,3-DICHLOROPROPENE	<7	ug/Kg	1.4	7	5
1,1,2-TRICHLOROETHANE	<7	ug/Kg	1.4	7	5
1,3-DICHLOROPROPANE	<7	ug/Kg	1.4	7	5
DIBROMOCHLOROMETHANE	<7	ug/Kg	1.4	7	5
TETRACHLOROETHENE	<7	ug/Kg	1.4	7	5
1,2-DIBROMOETHANE	<7	ug/Kg	1.4	7	5
CHLOROBENZENE	<7	ug/Kg	1.4	7	5
1,1,1,2-TETRACHLOROETHANE	<7	ug/Kg	1.4	7	5

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2000-3
 SDG: WQ2000
 Report Date: 7/14/00
 PO No. : 07.08.00
 Project: 25863 0020 00000
 % Solids: 78
 Method: SW8260
 Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1C	SL	7/6/00	7/8/00	7/11/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<7	ug/Kg	1.4	7	5
BROMOFORM	<7	ug/Kg	1.4	7	5
STYRENE	<7	ug/Kg	1.4	7	5
1,1,2,2-TETRACHLOROETHANE	<7	ug/Kg	1.4	7	5
1,2,3-TRICHLOROPROPANE	<7	ug/Kg	1.4	7	5
ISOPROPYLBENZENE	<7	ug/Kg	1.4	7	5
BROMOBENZENE	<7	ug/Kg	1.4	7	5
2-CHLOROTOLUENE	<7	ug/Kg	1.4	7	5
N-PROPYLBENZENE	<7	ug/Kg	1.4	7	5
4-CHLOROTOLUENE	<7	ug/Kg	1.4	7	5
1,3,5-TRIMETHYLBENZENE	<7	ug/Kg	1.4	7	5
ERT-BUTYLBENZENE	<7	ug/Kg	1.4	7	5
1,2,4-TRICHLOROENZENE	<7	ug/Kg	1.4	7	5
SEC-BUTYLBENZENE	<7	ug/Kg	1.4	7	5
1,3-DICHLOROENZENE	<7	ug/Kg	1.4	7	5
P-ISOPROPYLTOLUENE	<7	ug/Kg	1.4	7	5
1,4-DICHLOROENZENE	<7	ug/Kg	1.4	7	5
1,2-DICHLOROENZENE	<7	ug/Kg	1.4	7	5
N-BUTYLBENZENE	<7	ug/Kg	1.4	7	5
1,2-DIBROMO-3-CHLOROPROPAN	<7	ug/Kg	1.4	7	5
1,2,4-TRIMETHYLBENZENE	<7	ug/Kg	1.4	7	5
NAPHTHALENE	<7	ug/Kg	1.4	7	5
HEXACHLOROBUTADIENE	<7	ug/Kg	1.4	7	5
1,2,3-TRICHLOROENZENE	<7	ug/Kg	1.4	7	5
MTBE	<7	ug/Kg	1.4	7	5
ACETONE	72	ug/Kg	1.4	14	10
2-BUTANONE	<14	ug/Kg	1.4	14	10
4-METHYL-2-PENTANONE	<14	ug/Kg	1.4	14	10
2-HEXANONE	<14	ug/Kg	1.4	14	10
M+P-XYLENE	<7	ug/Kg	1.4	7	5
O-XYLENE	<7	ug/Kg	1.4	7	5
1,3,5 TRICHLOROENZENE	<7	ug/Kg	1.4	7	5
VINYL ACETATE	<7	ug/Kg	1.4	7	5.0

Report Notes: B



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombella
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2000-3
SDG: WQ2000
Report Date: 7/14/00
PO No. : 07.08.00
Project: 25863 0020 00000
% Solids: 78
Method: SW8260
Date Analyzed: 7/11/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-1C	SL	7/6/00	7/8/00	7/11/00	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<7	ug/Kg	1.4	7	5
DIETHYL ETHER	<7	ug/Kg	1.4	7	5
TETRAHYDROFURAN	<14	ug/Kg	1.4	14	10
2-CHLOROETHYLVINYLETHER	<7	ug/Kg	1.4	7	5
DIBROMOFLUOROMETHANE	100	%	1.4		
1,2-DICHLOROETHANE-D4	95	%	1.4		
TOLUENE-D8	97	%	1.4		
P-BROMOFLUOROBENZENE	78	%	1.4		

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: WQ1754-5
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 94
 Method: SW8260
 Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2A	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, J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-5
SDG: WQ1754
Report Date: 6/27/00
PO No.: 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 94
Method: SW8260
Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2A	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	J6	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: MIDDLETOWN

Lab Number: WQ1754-5
SDG: WQ1754
Report Date: 6/27/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 94
Method: SW8260
Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-2A	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-CHLOROETHYL VINYLETHER	<10	ug/Kg	1.0	10	10
DIBROMOFLUOROMETHANE	119	%	1.0		
1,2-DICHLOROETHANE-D4	121	%	1.0		
TOLUENE-D8	125	%	1.0		
P-BROMOFLUOROBENZENE	118	%	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: WQ1754-4
 SDG: WQ1754
 Report Date: 6/27/00
 PO No. : 06.16.00
 Project: MIDDLETOWN BROWNFIELD
 % Solids: 94
 Method: SW8260
 Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	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	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	B8	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, J



**KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS**

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-4
SDG: WQ1754
Report Date: 6/27/00
PO No.: 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 94
Method: SW8260
Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	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	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	J5	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, J



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN

Lab Number: WQ1754-4
SDG: WQ1754
Report Date: 6/27/00
PO No. : 06.16.00
Project: MIDDLETOWN BROWNFIELD
% Solids: 94
Method: SW8260
Date Analyzed: 6/17/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-5	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	0.91	5	5
DIETHYL ETHER	<5	ug/Kg	0.91	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.91	10	10
2-CHLOROETHYLVINYLETHER	<10	ug/Kg	0.91	10	10
DIBROMOFLUOROMETHANE	109	%	0.91		
1,2-DICHLOROETHANE-D4	110	%	0.91		
TOLUENE-D8	112	%	0.91		
P-BROMOFLUOROBENZENE	102	%	0.91		

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: WQ2347-5
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M2	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	7	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: MBF

Lab Number: WQ2347-5
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M2	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
ERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROENZENE	<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-TRICHLOROENZENE	<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-TRICHLOROENZENE	<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: MBF

Lab Number: WQ2347-5
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M2	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	93	%	1.0		
1,2-DICHLOROETHANE-D4	92	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	94	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2347-8
 SDG: WQ2347
 Report Date: 8/21/00
 PO No.: 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-2	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
1,2-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: MBF

Lab Number: WQ2347-8
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-2	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
ERT-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: MBF

Lab Number: WQ2347-8
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-2	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	91	%	1.0		
1,2-DICHLOROETHANE-D4	90	%	1.0		
TOLUENE-D8	93	%	1.0		
P-BROMOFLUOROBENZENE	84	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2347-6
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M3	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
1,2-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: MBF

Lab Number: WQ2347-6
SDG: WQ2347
Report Date: 8/21/00
PO No.: 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M3	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	J5	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	J5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	J5	ug/L	1.0	5	5
ISOT-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	J3	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	25	ug/L	1.0	5	5
NAPHTHALENE	100	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	11	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: MBF

Lab Number: WQ2347-6
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M3	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	92	%	1.0		
1,2-DICHLOROETHANE-D4	92	%	1.0		
TOLUENE-D8	98	%	1.0		
P-BROMOFLUOROBENZENE	92	%	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: MBF

Lab Number: WQ2347-2
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-3	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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
1,2-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: MBF

Lab Number: WQ2347-2
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-3	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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	J4	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	J4	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
3,5-TRIMETHYLBENZENE	J4	ug/L	1.0	5	5
ERT-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	25	ug/L	1.0	5	5
NAPHTHALENE	J3	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	7	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: MBF

Lab Number: WQ2347-2
SDG: WQ2347
Report Date: 8/21/00
PO No.: 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-3	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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	99	%	1.0		
1,2-DICHLOROETHANE-D4	90	%	1.0		
TOLUENE-D8	99	%	1.0		
P-BROMOFLUOROBENZENE	98	%	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: MBF

Lab Number: WQ2347-4
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M4	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

Compound	Result	Units	DF	Sample	Method
				PQL	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
TRICHLOROFUOROMETHANE	<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
1,2-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	J2	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: MBF

Lab Number: WQ2347-4
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M4	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
ISOTERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROENZENE	<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	J2	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-TRICHLOROENZENE	<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-TRICHLOROENZENE	<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: MBF

Lab Number: WQ2347-4
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M4	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	89	%	1.0		
1,2-DICHLOROETHANE-D4	90	%	1.0		
TOLUENE-D8	97	%	1.0		
P-BROMOFLUOROBENZENE	85	%	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: MBF

Lab Number: WQ2347-9
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-4	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
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: MBF

Lab Number: WQ2347-9
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-4	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
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: MBF

Lab Number: WQ2347-9
SDG: WQ2347
Report Date: 8/21/00
PO No.: 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-4	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	92	%	1.0		
1,2-DICHLOROETHANE-D4	92	%	1.0		
TOLUENE-D8	94	%	1.0		
P-BROMOFLUOROBENZENE	83	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MBF

Lab Number: WQ2347-10
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M6	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	J3	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
1,2-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, E



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

 Windsor, CT 06095
 Proj. ID: MBF

Lab Number: WQ2347-10
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M6	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	E320	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	51	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	200	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	E1000	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	11	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	6	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	75	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	E770	ug/L	1.0	5	5
NAPHTHALENE	E580	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	E1400	ug/L	1.0	5	5
O-XYLENE	E530	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, E



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2347-10
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M6	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	87	%	1.0		
1,2-DICHLOROETHANE-D4	89	%	1.0		
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	105	%	1.0		

Report Notes: J, E



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

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

Lab Number: WQ2347-10DL
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Proj. ID: MBF

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M6	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

Compound	Result	Units	DF	Sample	Method
				PQL	PQL
DICHLORODIFLUOROMETHANE	<100	ug/L	20	100	5
CHLOROMETHANE	<100	ug/L	20	100	5
VINYL CHLORIDE	<40	ug/L	20	40	2
BROMOMETHANE	<100	ug/L	20	100	5
CHLOROETHANE	<100	ug/L	20	100	5
TRICHLOROFLUOROMETHANE	<100	ug/L	20	100	5
1,1-DICHLOROETHENE	<100	ug/L	20	100	5
METHYLENE CHLORIDE	<100	ug/L	20	100	5
1,2-DICHLOROETHENE (TRANS)	<100	ug/L	20	100	5
1,1-DICHLOROETHANE	<100	ug/L	20	100	5
2-DICHLOROETHENE (CIS)	<100	ug/L	20	100	5
2-DICHLOROPROPANE	<100	ug/L	20	100	5
CHLOROFORM	<100	ug/L	20	100	5
BROMOCHLOROMETHANE	<100	ug/L	20	100	5
1,1,1-TRICHLOROETHANE	<100	ug/L	20	100	5
1,2-DICHLOROETHANE	<100	ug/L	20	100	5
1,1-DICHLOROPROPENE	<100	ug/L	20	100	5
CARBON TETRACHLORIDE	<100	ug/L	20	100	5
BENZENE	<100	ug/L	20	100	5
1,2-DICHLOROPROPANE	<100	ug/L	20	100	5
TRICHLOROETHENE	<100	ug/L	20	100	5
DIBROMOMETHANE	<100	ug/L	20	100	5
BROMODICHLOROMETHANE	<100	ug/L	20	100	5
CIS-1,3-DICHLOROPROPENE	<100	ug/L	20	100	5
TOLUENE	<100	ug/L	20	100	5
TRANS-1,3-DICHLOROPROPENE	<100	ug/L	20	100	5
1,1,2-TRICHLOROETHANE	<100	ug/L	20	100	5
1,3-DICHLOROPROPANE	<100	ug/L	20	100	5
DIBROMOCHLOROMETHANE	<100	ug/L	20	100	5
TETRACHLOROETHENE	<100	ug/L	20	100	5
1,2-DIBROMOETHANE	<100	ug/L	20	100	5
CHLOROBENZENE	<100	ug/L	20	100	5
1,1,1,2-TETRACHLOROETHANE	<100	ug/L	20	100	5

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: MBF

Lab Number: WQ2347-10DL
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M6	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

Compound	Result	Units	DF	Sample	
				PQL	Method PQL
ETHYLBENZENE	240	ug/L	20	100	5
BROMOFORM	<100	ug/L	20	100	5
STYRENE	<100	ug/L	20	100	5
1,1,2,2-TETRACHLOROETHANE	<100	ug/L	20	100	5
1,2,3-TRICHLOROPROPANE	<100	ug/L	20	100	5
ISOPROPYLBENZENE	<100	ug/L	20	100	5
BROMOBENZENE	<100	ug/L	20	100	5
2-CHLOROTOLUENE	<100	ug/L	20	100	5
N-PROPYLBENZENE	140	ug/L	20	100	5
4-CHLOROTOLUENE	<100	ug/L	20	100	5
3,5-TRIMETHYLBENZENE	<100	ug/L	20	100	5
ERT-BUTYLBENZENE	<100	ug/L	20	100	5
1,2,4-TRICHLOROENZENE	<100	ug/L	20	100	5
SEC-BUTYLBENZENE	<100	ug/L	20	100	5
1,3-DICHLOROENZENE	<100	ug/L	20	100	5
P-ISOPROPYLTOLUENE	<100	ug/L	20	100	5
1,4-DICHLOROENZENE	<100	ug/L	20	100	5
1,2-DICHLOROENZENE	<100	ug/L	20	100	5
N-BUTYLBENZENE	150	ug/L	20	100	5
1,2-DIBROMO-3-CHLOROPROPAN	<100	ug/L	20	100	5
1,2,4-TRIMETHYLBENZENE	1200	ug/L	20	100	5
NAPHTHALENE	210	ug/L	20	100	5
HEXACHLOROBUTADIENE	<100	ug/L	20	100	5
1,2,3-TRICHLOROENZENE	<100	ug/L	20	100	5
MTBE	<100	ug/L	20	100	5
ACETONE	<200	ug/L	20	200	10
2-BUTANONE	<200	ug/L	20	200	10
4-METHYL-2-PENTANONE	<200	ug/L	20	200	10
2-HEXANONE	<200	ug/L	20	200	10
M+P-XYLENE	1200	ug/L	20	100	5
O-XYLENE	300	ug/L	20	100	5
1,3,5 TRICHLOROENZENE	<100	ug/L	20	100	5
VINYL ACETATE	<100	ug/L	20	100	5.0

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: MBF

Lab Number: WQ2347-10DL
SDG: WQ2347
Report Date: 8/21/00
PO No.: 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M6	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<100	ug/L	20	100	5
DIETHYL ETHER	<100	ug/L	20	100	5
TETRAHYDROFURAN	<200	ug/L	20	200	10
2-CHLOROETHYLVINYLETHER	<100	ug/L	20	100	5
DIBROMOFLUOROMETHANE	97	%	20		
1,2-DICHLOROETHANE-D4	88	%	20		
TOLUENE-D8	99	%	20		
P-BROMOFLUOROBENZENE	100	%	20		

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: MBF

Lab Number: WQ2347-11
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M7	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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
?-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
1,2-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: MBF

Lab Number: WQ2347-11
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M7	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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	23	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	28	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	23	ug/L	1.0	5	5
ISERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	J4	ug/L	1.0	5	5
1,3-DICHLOROENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROENZENE	<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	J5	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-TRICHLOROENZENE	<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	J4	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5 TRICHLOROENZENE	<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: MBF

Lab Number: WQ2347-11
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/10/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M7	AQ	8/2/00	8/4/00	8/10/00	JSS	5030	JSS

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	97	%	1.0		
1,2-DICHLOROETHANE-D4	91	%	1.0		
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	103	%	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: MBF

Lab Number: WQ2347-7
 SDG: WQ2347
 Report Date: 8/21/00
 PO No. : 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M8	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
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: MBF

Lab Number: WQ2347-7
SDG: WQ2347
Report Date: 8/21/00
PO No.: 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M8	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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: MBF

Lab Number: WQ2347-7
SDG: WQ2347
Report Date: 8/21/00
PO No. : 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M8	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

Compound	Result	Units	DF	Sample	Method
				PQL	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	90	%	1.0		
1,2-DICHLOROETHANE-D4	90	%	1.0		
TOLUENE-D8	97	%	1.0		
P-BROMOFLUOROBENZENE	87	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-MI

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-001

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	99.8			P	1
7440-43-9	CADMIUM	0.44	B		P	1
7440-47-3	CHROMIUM	3.7	B		P	1
7439-92-1	LEAD	30.0			P	1
7439-97-6	MERCURY	0.30			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: MW-1

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-003

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	77.4			P	1
7440-39-3	BARIUM	7950			P	1
7440-43-9	CADMIUM	30.9			P	1
7440-47-3	CHROMIUM	134			P	1
7439-92-1	LEAD	10700			P	5
7439-97-6	MERCURY	3.6			CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	4.2	B		P	1

Comments:

FORM I - IN

Sample Data Summary 0000043

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-M2

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-005

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	3.7	B		P	1
7440-39-3	BARIUM	109			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	23.2			P	1
7439-92-1	LEAD	26.5			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

Comments:

FORMI-IN

I
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-2

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-008

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	45.0			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	U		P	1
7439-92-1	LEAD	5.1			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 0000048

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-M3

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-006

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	10.4			P	1
7440-39-3	BARIUM	114			P	1
7440-43-9	CADMIUM	0.75	B		P	1
7440-47-3	CHROMIUM	14.9	B		P	1
7439-92-1	LEAD	36.0			P	1
7439-97-6	MERCURY	0.14	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

Sample Data Summary 0000046

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-3

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-002

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	6.1	B		P	1
7440-39-3	BARIUM	123			P	1
7440-43-9	CADMIUM	0.38	B		P	1
7440-47-3	CHROMIUM	13.6	B		P	1
7439-92-1	LEAD	16.6			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:

FORM1-IN

Sample Data Summary 0000042

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-M4

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-004

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	81.0			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	U		P	1
7439-92-1	LEAD	6.6			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

Sample Data Summary 0000044

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-4

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-009

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	47.1			P	1
7440-43-9	CADMIUM	0.30	U		P	1
7440-47-3	CHROMIUM	0.74	B		P	1
7439-92-1	LEAD	3.8	B		P	1
7439-97-6	MERCURY	0.02	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: MW-M6

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-010

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	12.3			P	1
7440-39-3	BARIUM	309			P	1
7440-43-9	CADMIUM	0.60	B		P	1
7440-47-3	CHROMIUM	58.8			P	1
7439-92-1	LEAD	116			P	1
7439-97-6	MERCURY	0.18	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: MW-M7

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-011

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	17.0			P	1
7440-39-3	BARIUM	666			P	1
7440-43-9	CADMIUM	0.86	B		P	1
7440-47-3	CHROMIUM	73.9			P	1
7439-92-1	LEAD	228			P	1
7439-97-6	MERCURY	0.07	B		CV	1
7782-49-2	SELENIUM	2.98	U		P	1
7440-22-4	SILVER	1.6	B		P	1

Comments:

FORM I - IN



KATAHDIN ANALYTICAL SERVICES
REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
 TRC Environmental
 5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MBF

Lab Number: WQ2347-13
SDG: WQ2347
Report Date: 8/21/00
PO No.: 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB080200	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
TRICHLOROFUOROMETHANE	<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
1,2-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

Lab Number: WQ2347-13
 SDG: WQ2347
 Report Date: 8/21/00
 PO No.: 08.04.00
 Project: 25863-0020-00000
 % Solids: N/A
 Method: SW8260
 Date Analyzed: 8/9/00

Proj. ID: MBF

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB080200	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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
1,5-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: MBF

Lab Number: WQ2347-13
SDG: WQ2347
Report Date: 8/21/00
PO No.: 08.04.00
Project: 25863-0020-00000
% Solids: N/A
Method: SW8260
Date Analyzed: 8/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB080200	AQ	8/2/00	8/4/00	8/9/00	JSS	5030	JSS

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	93	%	1.0		
1,2-DICHLOROETHANE-D4	94	%	1.0		
TOLUENE-D8	96	%	1.0		
P-BROMOFLUOROBENZENE	81	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FB080200

Matrix: WATER

SDG Name: WQ2347

Percent Solids: 0.00

Lab Sample ID: WQ2347-012

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	0.74	U		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 0000052

SOIL EXCAVATION SAMPLES



80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

December 28, 2001

Ms. Sarah Trombetta
TRC Environmental Consultants
5 Waterside Crossing
Windsor, CT 06095

Project: Middletown Brownfields-Peterson
CET #: 01120675
Soil: SS-1; SS-10; SS-2; SS-3; SS-4; SS-5; SS-6; SS-7; SS-8; SS-9
Collection Date(s): 12/19/01

ANALYSIS:

Conn. Extractable TPH [CT DEP] Units: mg/kg Analysis Date: 12/24/01

	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6
Conn. Extractable TPH	ND < 50	ND < 50	ND < 50	ND < 50	5600*	ND < 50

Conn. Extractable TPH [CT DEP] Units: mg/kg Analysis Date: 12/24/01

	SS-7	SS-8	SS-9	SS-10
Conn. Extractable TPH	ND < 50	ND < 50	ND < 50	ND < 50

*Fuel oil range

NOTES:

[] Indicates Date Prep Test Completed; ND is Not Detected.

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Laboratory Certification 199

Cet#: 01120675

Project: Middletown Brownfields-Peterson

Volatile Organics [EPA 8021B] Units: ug/kg Analysis Date: 12/21/01

	SS-2	SS-3	SS-5	SS-6
Dichlorodifluoromethane	ND < 25	ND < 25	ND < 130	ND < 25
Chloromethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Vinyl Chloride	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Bromomethane	ND < 10	ND < 10	ND < 50	ND < 10
Chloroethane	ND < 10	ND < 10	ND < 50	ND < 10
Trichlorofluoromethane	ND < 25	ND < 25	ND < 130	ND < 25
1,1-Dichloroethene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 10	ND < 10	ND < 50	ND < 10
trans-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,1-Dichloroethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
2,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
cis-1,2-Dichloroethene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Bromochloromethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Chloroform	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,1,1-Trichloroethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Carbon Tetrachloride	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,1-Dichloropropene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Benzene	ND < 1.0	ND < 1.0	ND < 5.0	ND < 1.0
1,2-Dichloroethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Trichloroethene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,2-Dichloropropane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Dibromomethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Bromodichloromethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
cis-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Toluene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
trans-1,3-Dichloropropene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,1,2-Trichloroethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Tetrachloroethene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,3-Dichloropropane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Dibromochloromethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,2-Dibromoethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Chlorobenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,1,1,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Ethylbenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
m+p Xylenes	ND < 5.0	44	ND < 25	12
o-Xylene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Styrene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Bromoform	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Isopropylbenzene	ND < 5.0	8.8	150	ND < 5.0
1,1,2,2-Tetrachloroethane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Bromobenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,2,3-Trichloropropane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
n-Propylbenzene	5.1	12	260	5.5
2-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
4-Chlorotoluene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,3,5-Trimethylbenzene	12	33	95	47
tert-Butylbenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,2,4-Trimethylbenzene	39	82	1600	120
sec-Butylbenzene	6.8	9.2	250	ND < 5.0

Notes:

Indicates Date Prep Test Completed; ND is Not Detected.

Cet#: 01120675

Project: Middletown Brownfields-Peterson

Volatile Organics [EPA 8021B] Units: ug/kg Analysis Date: 12/21/01

	SS-2	SS-3	SS-5	SS-6
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
4-Isopropyltoluene	ND < 5.0	13	ND < 25	8.3
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
n-Butylbenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Hexachlorobutadiene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0
Naphthalene	46	59	ND < 25	130
1,2,3-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 25	ND < 5.0

Sincerely,



David Ditta
Laboratory Director

Notes:

[] Indicates Date Prep Test Completed; ND is Not Detected.



Customer-focused Solutions
5 Waterside Crossing
Windsor, Connecticut 06095
Telephone 860-298-9692

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME		STATION LOCATION		NO. OF CONTAINERS	PARAMETERS		REMARKS
	(Signature)	(Printed)	(Signature)	(Printed)		(Signature)	(Printed)	
	Middletown Brownfields - Peterson		Liam S. Bane					
	SAMPLERS: (Signature)		Liam S. Bane					
	FIELD SAMPLE NUMBER	DATE	TIME	COM	GRAB			
	SS-1	10/10/01	0752	X			X	
	SS-2		0759				X	
	SS-3		0820				X	
	SS-4		0825				X	
	SS-5		0838				X	
	SS-6		0856				X	
	SS-7		0901				X	
	SS-8		1024				X	
	SS-9		1116				X	
	SS-10		1133				X	
	SS-10							
	Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Relinquished by: (Signature)	Date / Time	Received by: (Signature)	
	(Printed)	10/10/01 1410	Via Fedex		(Printed)		(Printed)	
	Liam S. Bane							
	Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks			
	(Printed)		E Fanning	10/10/01 1133	Fax results to Sarah Trombetta @ 860-298-6399			