



**PHASE II
ENVIRONMENTAL SITE ASSESSMENT
WESTON PROPERTY
22 RIVER ROAD
MIDDLETOWN, CONNECTICUT**

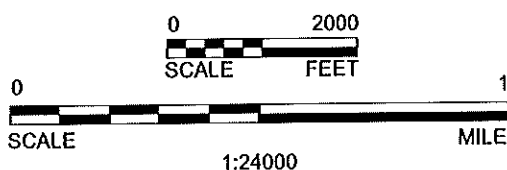
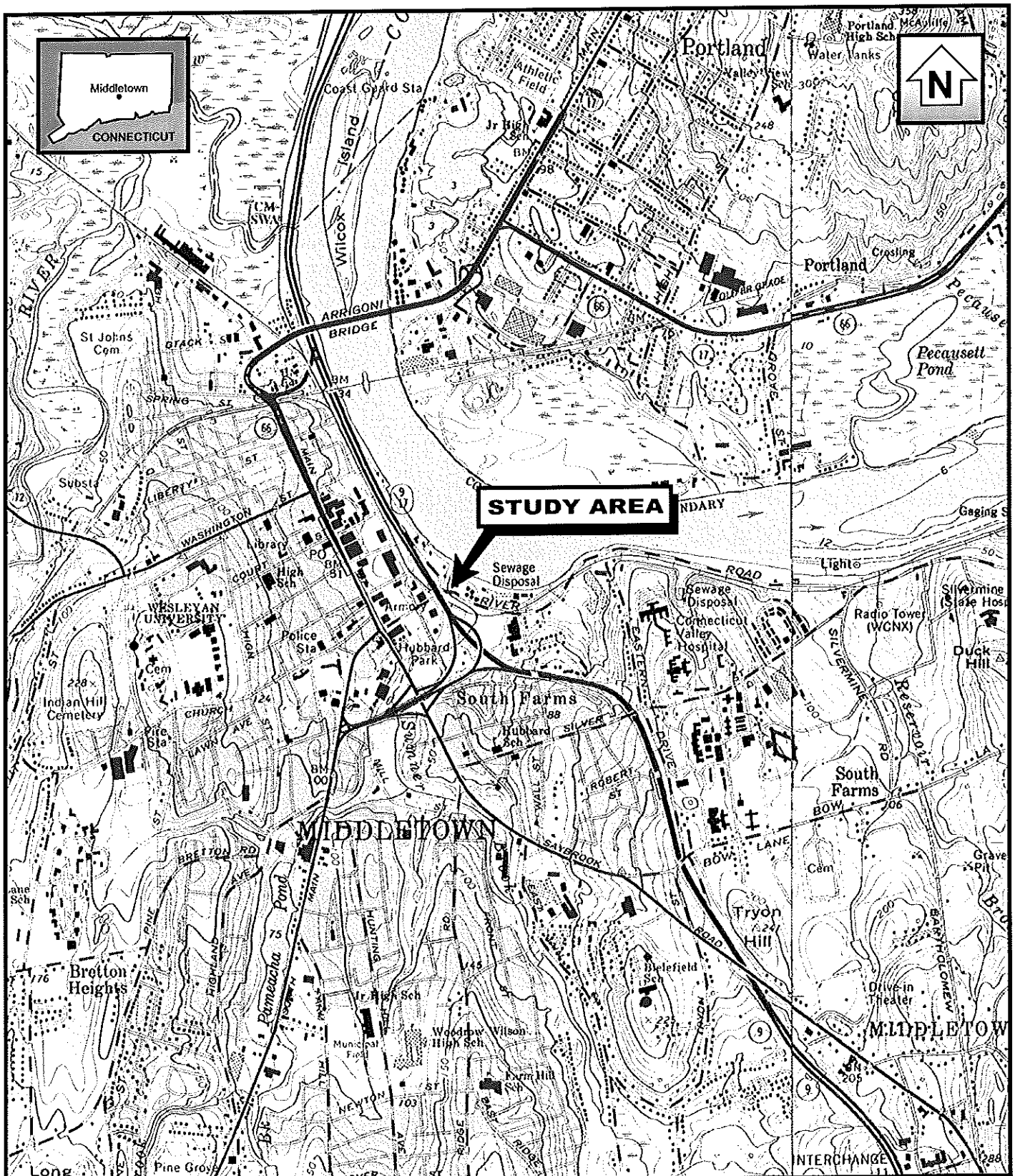
Prepared for:

City of Middletown

Prepared by:

**TRC Environmental Corporation
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Windsor, CT 06095
(860) 298-9692**

March 2002



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MIDDLETOWN AND MIDDLE HADDAM, CT - 7.5' USGS TOPOGRAPHIC MAPS

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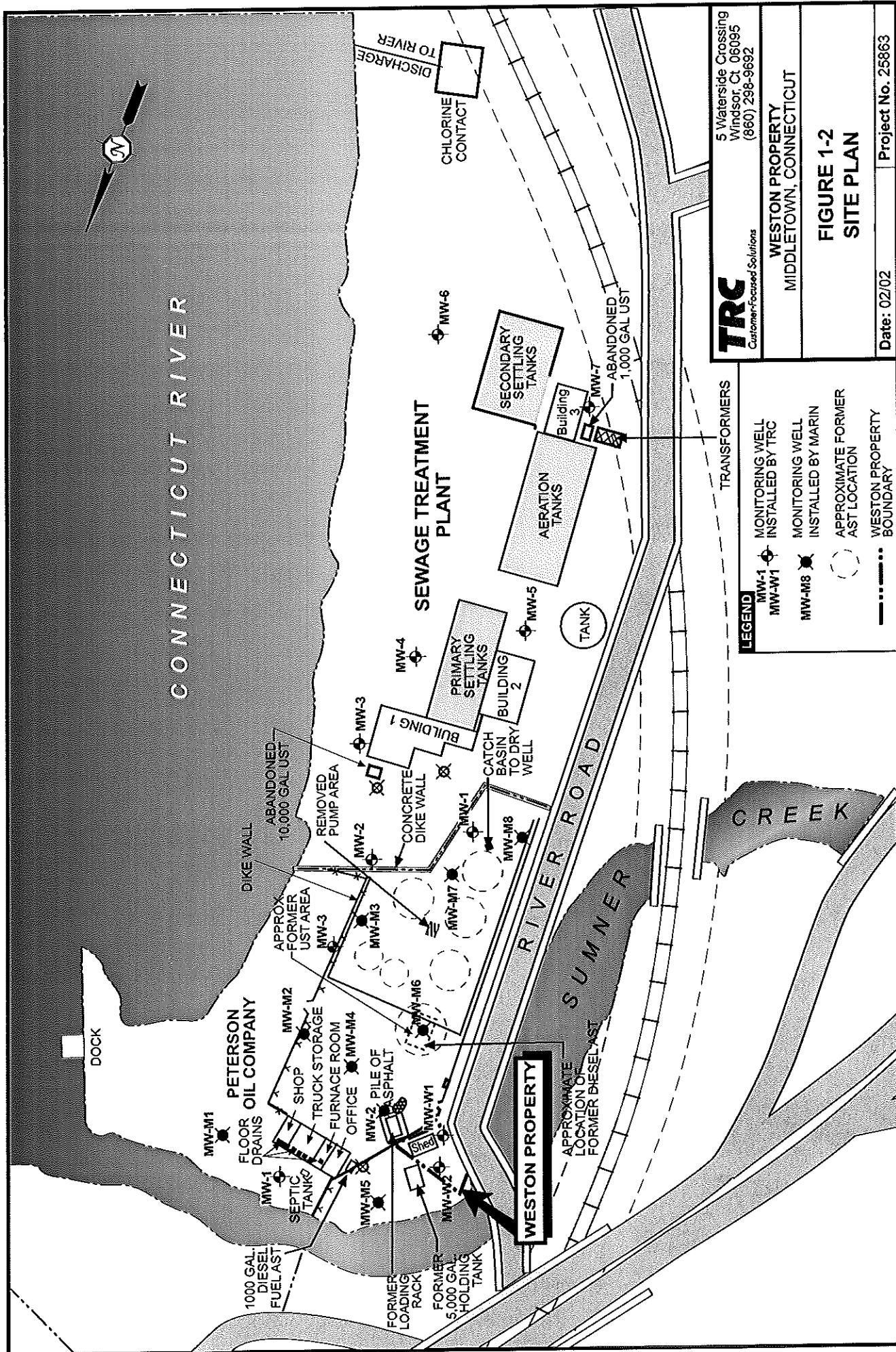
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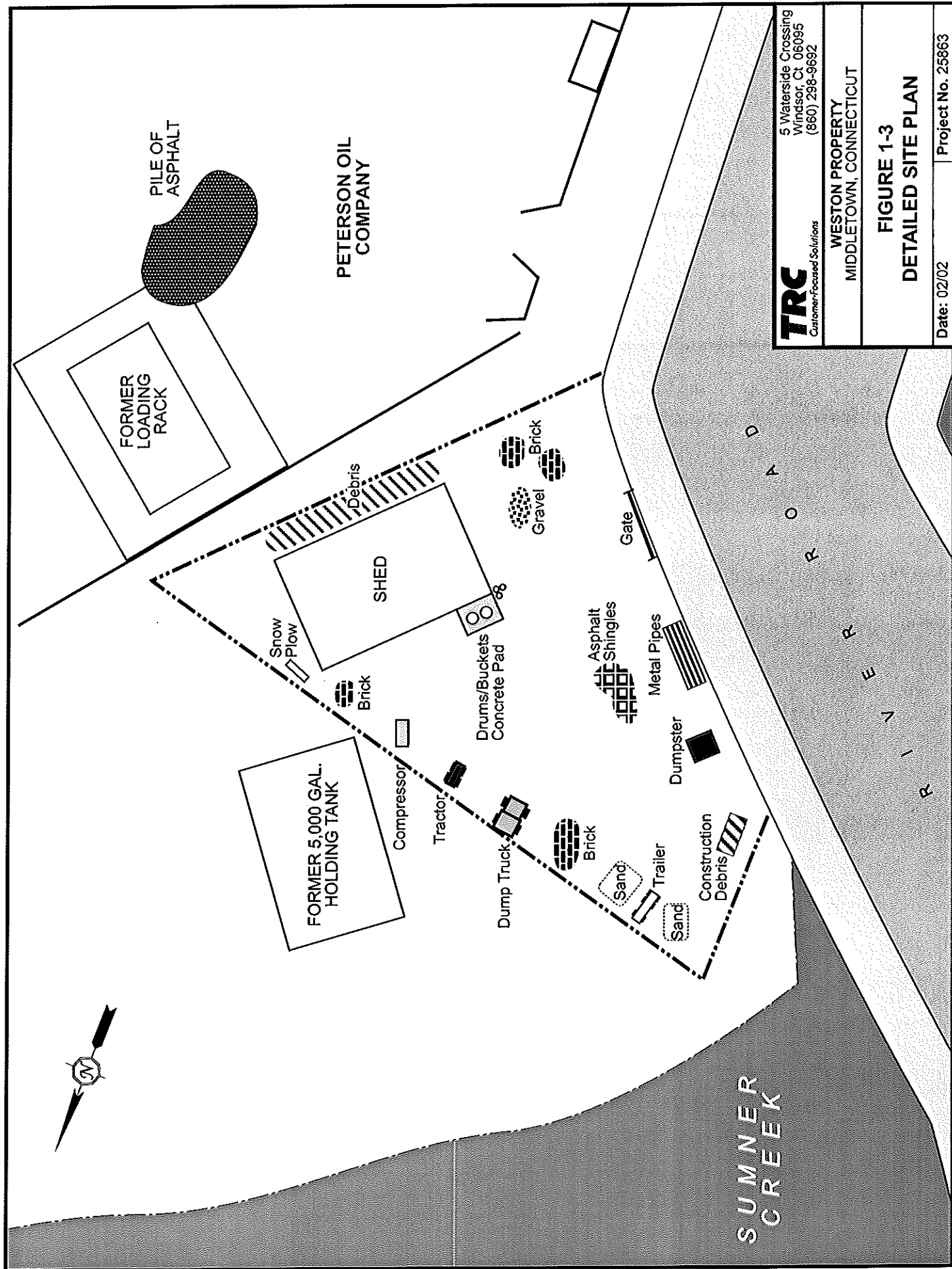
WESTON PROPERTY
MIDDLETOWN, CONNECTICUT

FIGURE 1-1
SITE LOCATION MAP

Date: 03/02

Project No. 25863





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	WESTON PROPERTY MIDDLETOWN, CONNECTICUT		
	FIGURE 1-3 DETAILED SITE PLAN	Date: 02/02	Project No. 25863

2.0 PHASE II INVESTIGATION TECHNICAL APPROACH

All work performed for this Phase II was completed in accordance with the EPA approved Quality Assurance Project Plan (QAPjP) Addendum A.

2.1 Soil and Groundwater Sampling Program

Soil borings and monitoring wells were advanced on-site as outlined in the 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 and the location of suspect on-site contaminant sources. Figure 2-1 presents the locations where soil borings were advanced and monitoring wells were installed.

On February 22, 2001, five soil borings were completed using a hollow-stem auger drill rig. Soil samples from each of the borings were collected using a split-spoon sampler. Soil samples were logged continuously from the ground surface to the depth of the water table at each location. Table 2-1 presents a list of the soil samples collected as well as the chemical analyses performed on each sample. Ground water monitoring wells were installed in two of the five borings following completion of the soil sampling. The two monitoring wells (MW-W1 and MW-W2) were installed to depths of approximately 8 feet below the water table.

Development of the two newly installed monitoring wells was completed after the wells were installed. The two wells were developed on March 2, 2001. A period of approximately two weeks elapsed before sampling of the on-site monitoring wells on March 12, 2001 using the low-flow sampling method. Table 2-1 presents a list of samples collected as well as the chemical analyses performed on each sample. MW-M5 (located north of the Weston property on the former Peterson Oil Company site) was also sampled on March 12, 2001 for additional information.

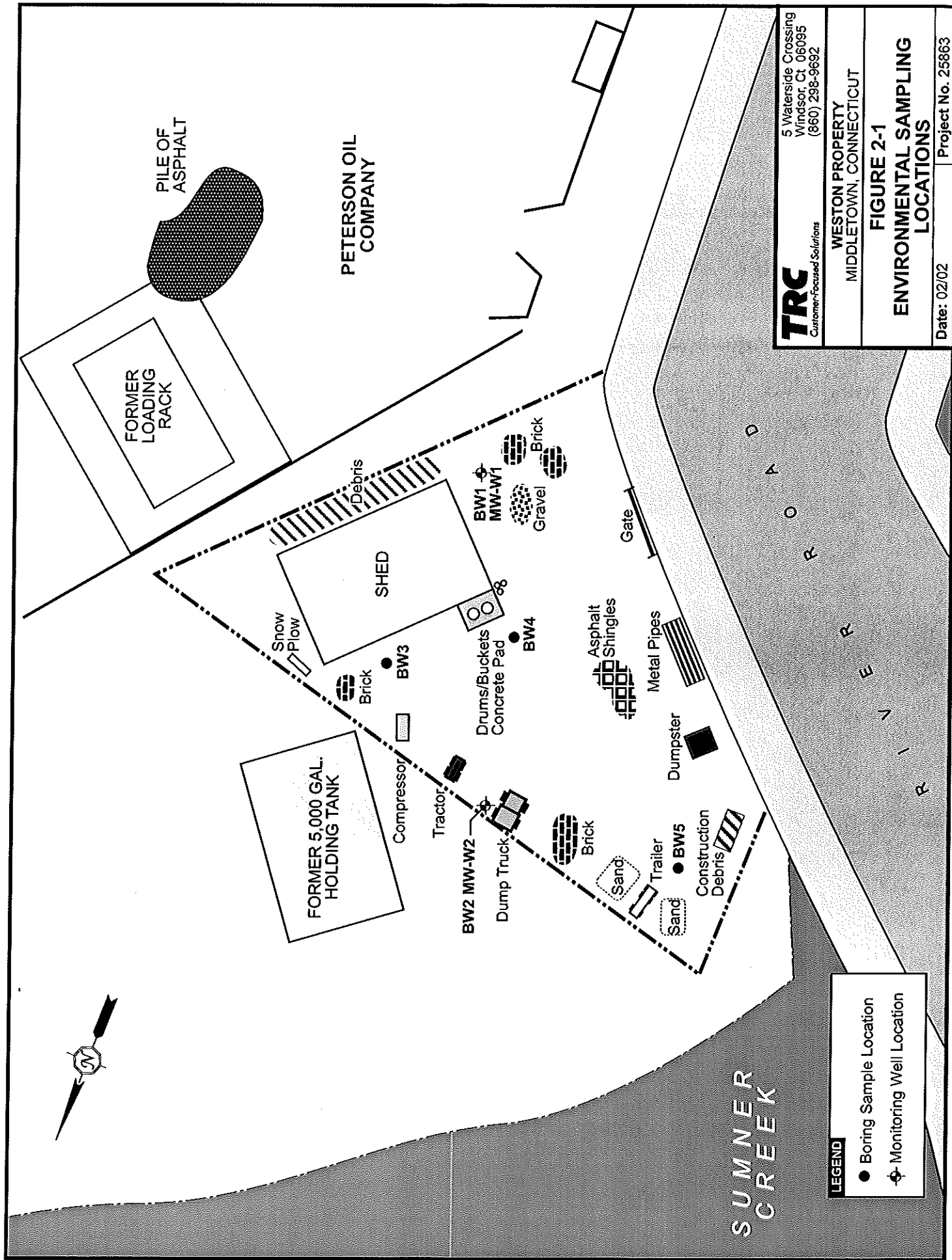
Ground water level measurements were recorded for the site on March 12, 2001. Figure 2-2 illustrates the estimated direction of ground water flow based solely on ground water measurements obtained from wells at the Weston site. Using additional information obtained from the wells at the Peterson site and Waste Water Treatment Facility site (WWTF), a broader-based ground water contour map was constructed. However, the water levels used for the ground water elevation contour map were conducted on February 22, 2001. 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 sampling data together with field observations to determine the need for remediation at the Site. The results of chemical analyses were compared with CT DEP Remediation Standard Regulations (RSRs) to evaluate the need for reporting site conditions to the CT DEP and to aid in pinpointing areas potentially in need of 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 5035/8260 for soils and 8260 for water	Method 8270	Method 1312/6010B or 7471A
B-W1	13		√		
B-W1	12-14	√		√	√
B-W2	10		√		
B-W2	7-11			√	√
B-W3	9		√		
B-W3	7-10	√		√	√
B-W6 (Dup of B-W3)	9		√		
B-W6 (Dup of B-W3)	7-10	√		√	√
B-W4	11		√		
B-W4	9-11			√	√
B-W5	6		√		
B-W5	5-9	√		√	√
MW-W1	-		√		√
MW-W2	-		√		√
MW-W31	-		√		√
MW-M5	-		√		√

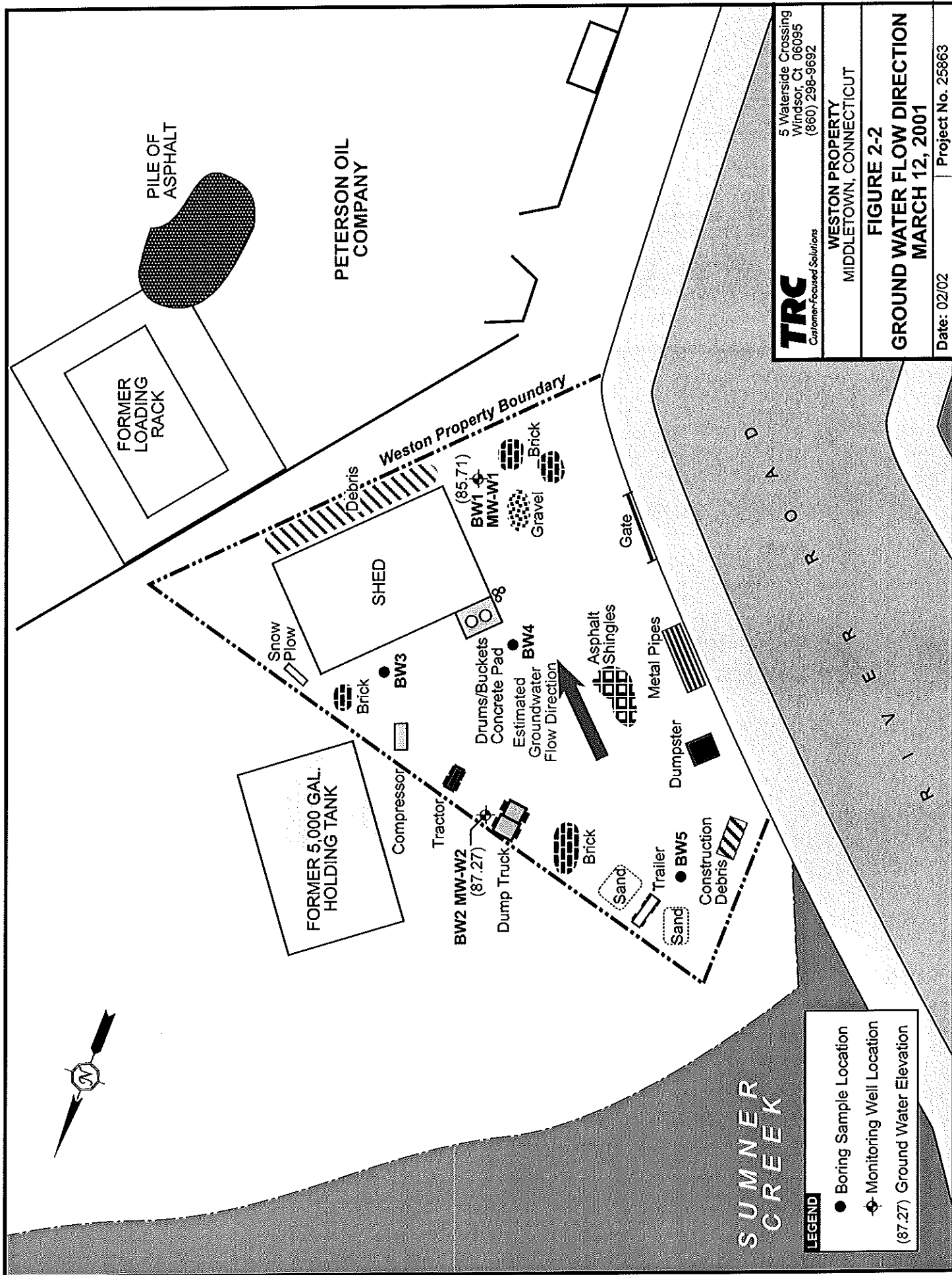


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WESTON PROPERTY
MIDDLETOWN, CONNECTICUT

**FIGURE 2-1
ENVIRONMENTAL SAMPLING
LOCATIONS**

Date: 02/02
Project No. 25863



3.0 RESULTS OF INVESTIGATION

3.1 Environmental Conditions

The soil on-site consists primarily of fill materials composed of red-brown, silt and fine sand, with little to some medium to coarse sand and gravel, and trace clay. Coal, coal ash, slag and brick debris were occasionally encountered at various depths between the ground surface and the ground water table. The water table was encountered between 11 and 13 feet below grade in all of the borings. Appendix A contains copies of the soil boring logs.

3.2 Nature and Extent of Contamination

Appendix B contains copies of the laboratory reports of chemical analyses conducted on the samples.

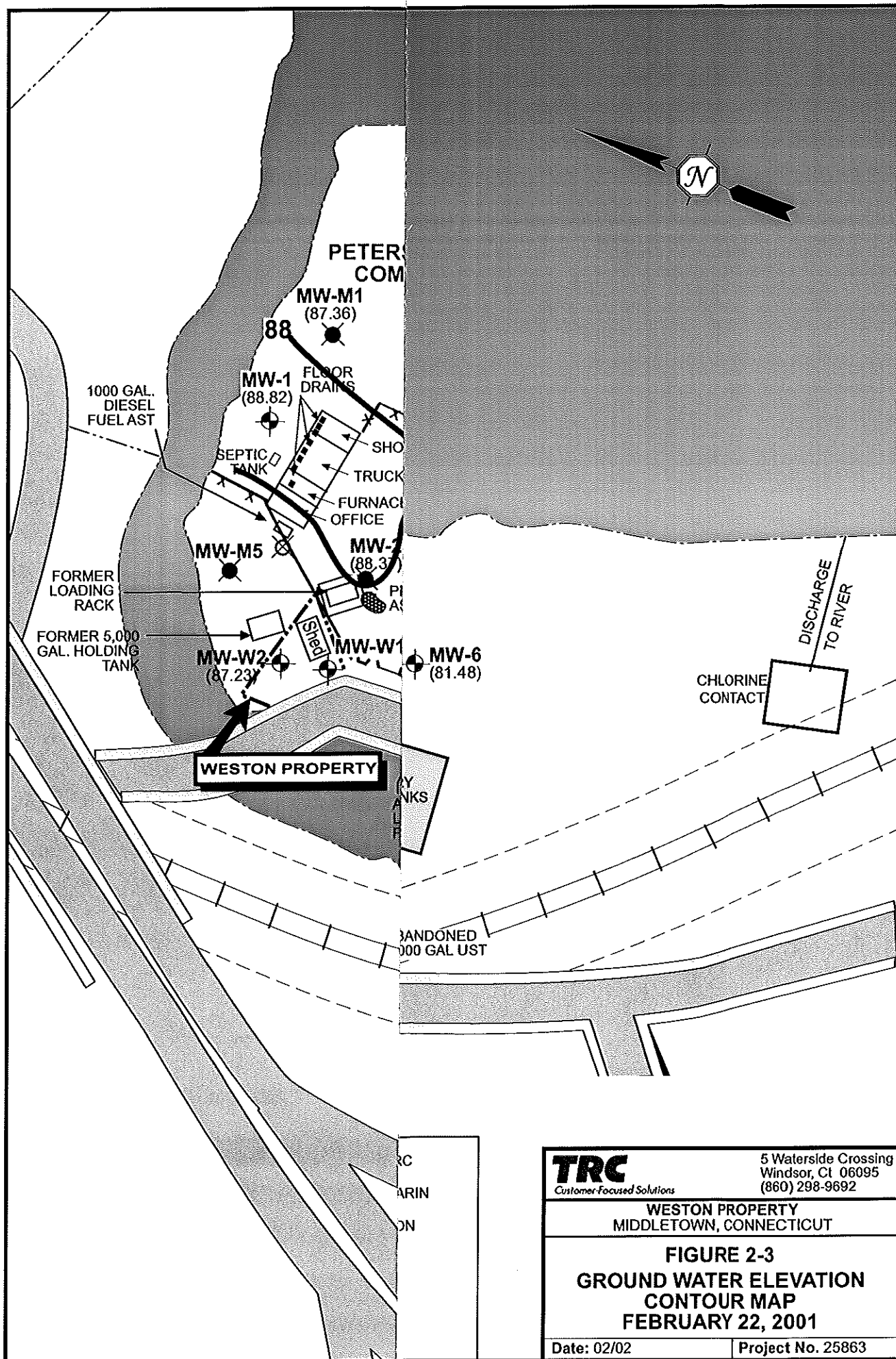
3.2.1 Subsurface Soil

Table 3-1 presents a summary of the results of the chemical analyses performed on subsurface soil samples collected at the site (hits only). In addition to the results, the RSR Residential Direct Exposure Criteria (RDEC) and the Ground water (GB) Pollutant Mobility Criteria (PMC) are presented for comparison purposes.

Extractable Total Petroleum Hydrocarbons (ETPH): ETPHs were detected in each of the soil samples submitted for this analysis. None of the samples analyzed exhibited ETPH concentrations in excess of the RDEC of 500 ppm.

Volatile Organic Compounds (VOCs): Methylene chloride and acetone were detected in each of the soil samples submitted for VOC analysis. 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. Methylene chloride and acetone were also detected in TB022201 ("trip blank" associated with Method 5035 sampling – solvent blank) which also indicates the potential for cross-contamination in the laboratory. Low levels of other VOCs were detected in each of the samples except B-W4. The reported concentrations are well below both the RDEC and the GB PMC for each respective VOC constituent.

SemiVolatile Organic Compounds (SVOCs): Soil samples from the five borings and a duplicate were submitted to the laboratory for SVOC analysis. SVOCs (primarily polynuclear aromatic hydrocarbons or PAHs) were detected in all of the samples except the sample collected from boring B-W4. Benzo(b)fluoranthene was detected above both the RDEC and GB PMC of 1000 ppb in samples B-W3 (1500ppb), B-W6 (duplicate of B-W3, 1300 ppb), and B-W5 (1100 ppb). Indeno(1,2,3-cd)pyrene was detected in the sample B-W3 (1200 ppb) at a concentration in excess of the RDEC and GB PMC of 1000 ppb. Benzo(a)pyrene was also detected in sample B-W3 at both the RDEC and GB PMC limit of 1000 ppb.



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MIDDLETOWN, CONNECTICUT

FIGURE 2-3
GROUND WATER ELEVATION
CONTOUR MAP
FEBRUARY 22, 2001

Date: 02/02

Project No. 25863

RCRA 8 Metals (total): Metals were detected in each of the soil samples submitted for this analysis. Lead was the only metal detected at a concentration in excess of the RDEC of 500 ppm in sample B-W2 (1090 ppm).

3.2.2 Groundwater

Table 3-2 presents a summary of the results of chemical analyses conducted on ground water samples collected at the site. Note that this table only lists those analytes that were detected in the samples. In addition to the results, (RSR) Residential Volatilization Criteria (RVC) and the Surface Water Protection Criteria (SWPC) are presented in Table 3-2 for comparison purposes.

Volatile Organic Compounds (VOCs): Chloroform was detected in the ground water sample MW-W2 and its duplicate sample of MW-W2 (MW-W31). The concentrations reported were below the RVC of 287 ppb and SWPC of 14,100 ppb. No other VOCs were detected in any of the ground water samples collected on March 12, 2001.

Metals: Barium and chromium were detected in of all the ground water samples. Barium was detected in MW-W1 at a concentration of 232 ppb, MW-W2 at a concentration of 53.9 ppb, MW-W31 (duplicate of MW-W2) at a concentration of 54.3 ppb and MW-M5 at a concentration of 107 ppb. There is no established SWPC or RVC for barium in the Connecticut RSRs. Chromium was detected at a concentration of 0.64 ppb in MW-W1, a concentration of 0.60 ppb in MW-W2, a concentration of 3.8 ppb in MW-W31, and a concentration of 3.4 in MW-W5. There is no established SWPC or RVC for chromium in the Connecticut RSRs. Lead was detected in MW-W1 (3.9 ppb), MW-W2 (3.3 ppb) which are below the SWPC, however, lead was detected in MW-M5 at a concentration of 62 ppb which is over the SWPC of 13 ppb. This well is located on the former Peterson Oil Company site north of the Weston property. Mercury was only detected in sample MW-W5 at 0.14 ppb which is less than the SWPC of 0.4 ppb.

3.3 Data Usability

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

Sampling Design – Soil borings were advanced and ground water monitoring wells were installed at locations on the site as defined in the QAPjP. The QAPjP called for the advancement of borings using a hollow stem auger rig and the collection of soil samples with a split spoon (24 inches in length).

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. Duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples were also collected in accordance with the QAPjP.

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 relative to 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. 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.

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

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

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

TABLE 3-1
SOIL SAMPLE ANALYTICAL RESULTS
Weston Property
Middletown, Connecticut
February 22, 2001

SAMPLE IDENTIFICATION: SAMPLE DEPTH (FT): VOCs ETPH, SVOCs, POPs & Metals	EW1 13 14-Dic	EW2 10 11-Ju	EW3 9 7-10	EW4 9	EW5 10a-c10a-c	EW6 10a-c10a-c	EW7 11 9-12	EW8 6 5-B	EW9 6 5-B	TE002001 (element total)	CT Residential DEC	CT GB PAC
ETPH (ppm)	32		420		480			210			500	2,500
VOLATILE ORGANICS (ppb)												
METHYLENE CHLORIDE	25 B	11 B 5 J 3 J		9 B	7 B	10 B	14 B	11 B	15 B	32	82,000 21,000 500,000	1,000 200
TOLUENE								4 J	7	10	1,000,000	87,000
NAPHTHALENE								11			500,000	56,000
ACETONE	31	76 B 11 J	30	3 J 21 B	18 B		32 B	20 B	28	7 J	500,000	140,000
2-BUTANONE											500,000	80,000
SEMI-VOLATILE ORGANICS (ppb)												
ACENAPHTHYLENE												
PHENANTHRENE	260 J		410		330 J			790			1,000,000	84,000
ANTHRACENE			560		470						1,000,000	40,000
FLUORANTHENE	720	400	1500		280 J			260 J			1,000,000	400,000
PYRENE	710	360	1400		1300			1600			1,000,000	56,000
BENZO(A)ANTHRACENE	390 J	240 J	880		810			920			1,000,000	40,000
CHRYSENE	390 J	290 J	940		920			910			1,000	1,000
BENZO(B)FLUORANTHENE	380 J	290 J	1500		1300			1100			84,000	1,000
BENZO(K)FLUORANTHENE											1,000	1,000
BENZO(A)PYRENE	330 J	240 J	520		420 J			380			8,400	1,000
INDENO(1,2,3-CD)PYRENE	220 J		1000		870			780			1,000	1,000
BENZO(G,H,I)PERYLENE			1200		860			470			1,000	1,000
RCRA 8 METALS-TOTAL (ppm)			1200		850			380			1,000,000	42,000
ARSENIC	3.8	4.2	7.4		3		2.6	5.4			10	**
BARIUM	108	88.8	95.2		71		86.1	75			4700	**
CADMIUM	0.43 B	0.44 B	1.8 B		0.46 B		0.35 B	0.29 B	0.05 B		34	**
CHROMIUM		13	24.1		18.1		18	17.2			NE	**
LEAD	84.4	1090	229		79.8		69.4	230	0.74 B		500	**
MERCURY	0.09	0.45	0.34		0.54		0.23	0.36	3.5 B		20	**
SELENIUM	0.70 B	0.62 B			0.64 B		0.36 B	1.4			340	**
SILVER	0.25 B	0.28 B	0.34 B		0.17 B		0.36 B	0.34 B			340	**

NOTES:

CT Residential DEC = Connecticut Remediation Standard Regulations Residential Direct Exposure Criteria.
CT GB PMC = Connecticut Remediation Standard Regulation GB Pollutant Mobility Criteria.

** = GB PMC is only applicable to SPLP or TCLP metals results.

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

B (associated with VOC analysis) - The analyte detected was also detected in all associated plants.
 D (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.

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

TABLE 3-2

GROUND WATER SAMPLE ANALYTICAL RESULTS

Weston Property
Middletown, Connecticut
March 12, 2001

SAMPLE IDENTIFICATION	MW-W1	MW-W2	MW-W31 (Dup MW-W2)	MW-M5 (well located on former Peterson site)	FB031201	TB031201	CT SWPC	CT RES VC
VOLATILE ORGANICS (ppb)								
ACETONE					24		NE	50,000
2-BUTANONE			10		7 J		NE	50,000
CHLOROFORM		10					14,100	287
RCRA 8 METALS (ppb)								
BARIUM	232	53.9	54.3	107			NE	NE
CHROMIUM	0.64	0.60 B	3.8 B	3.4 B			NE	NE
LEAD	3.9 B	3.3 B		62	3.2 B		13	NE
MERCURY				0.14 B			0.4	NE

NOTES:

CT SWPC = Connecticut RSR Surface Water Protection Criteria.

CT RES VC = Connecticut RSR Residential Volatilization Criteria.

J = Indicates that the concentration reported is estimated.

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.

NE = Not Established.

Bold - Indicates that the concentration is above the appropriate RSRs.

4.0 CONCLUSIONS

TRC determined the following as a result of this investigation.

1. The site is underlain by fill material consisting mostly of red-brown, silt to fine sand with little medium and coarse sand, and gravel, and trace clay. Coal, coal ash, slag, and brick were also encountered in several borings at various depths from the ground surface to the water table. The water table was encountered between 11 and 13 feet below grade in all of the borings.
2. Table 3-1 summarizes the subsurface soil sample analytical results. Low to moderate ETPH concentrations were reported, with none in excess of the RDEC or the GB PMC.

Several SVOCs were detected in soil sample B-W3 at concentrations in excess of the RDEC and GB PMC of 1000 ppb, benzo(b)fluoranthene (1500 ppb), indeno(1,2,3-cd)pyrene (1000 ppb), and benzo(a)pyrene (1200 ppb). Benzo(b)fluoranthene was also detected in B-W6, the duplicate of B-W3, at a concentration of 1300 ppb, and in B-W5 at a concentration of 1100 ppb. The SVOCs detected in the samples may be attributed to the coal that was encountered in the soils that were collected for analysis. An attempt was made to remove the coal pieces from the samples, however, removal of all pieces was not possible.

Lead was the only metal detected at a concentration in excess of the RDEC of 500 ppm. A lead concentration of 1090 ppm was reported for soil sample B-W2. The concentration of lead in this sample is most likely attributed to the fill material; no signs of impacts (e.g., staining, odor) were noted in the soils collected from boring B-W2.

3. Table 3-2 lists the concentrations of constituents observed in ground water at the Weston site. No VOCs detected exceeded the applicable criteria. Lead was detected above the SWPC level of 13 ppb in sample MW-M5 (62 ppb). However, this well is located on the former Peterson Oil Company site located north of the Weston property. No other metals detected exceeded the applicable criteria.

APPENDIX A
SOIL BORING LOGS

BORING/WELL LOG

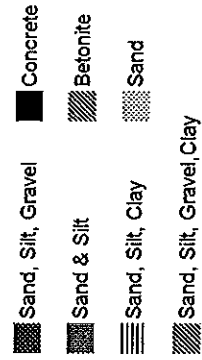
Project Name: Middletown Brownfields - Weston Property Project Number: 25863-0020 Project Location: Middletown, CT				Drilling Company: Seaboard Environmental Drilling Services Drillers: Jeff and Rich Rig: F-350 w/ 24" Split spoon & 4" auger TRC Inspector: L. Bane		Boring/Well: B-W1/ MW-W1 Date Started: 02/22/2001 Date Completed: 02/22/2001	
Depth (feet)	Recovery (inches)	PID (ppm)	Blow Counts	Soil Description (inches)	Lithology	Monitoring Well Construction	
1-3	8	0.0	3, 4, 5, 6	0-8 Red-brown SILT and F-sand, little M-C sand and gravel, trace clay, moist, no odor.		Flush Mount Casing & Concrete Completion	
3-5	6	0.0	9, 10, 10, 9	0-4 Red-brown SILT and F-sand, little M-C sand and gravel, trace clay and slag, moist, no odor. 4-6 Red-brown SILT and F-sand, trace M-sand, moist, no odor.		Native fill Betonite Seal	
5-7	18	NR	5, 5, 7, 7	0-18 Red-brown SILT and F-sand, trace M-sand, C-sand and gravel, moist, no odor.		Top of sand pack Top of screen	
7-9	15	0.0	9, 14, 10, 12	0-4 Red-brown SILT and F-sand, trace M-sand, C-sand and gravel, moist, no odor. 4-15 Red-brown SILT and F-sand, trace clay, M-C sand and gravel, moist, no odor.		1" - 10 Slot PVC Screen #1 Morie Sand	
9-11	0	NR	10, 23, 18, 6	Gravel in tip			
11-13	6	0.0	12, 16, 8, 5	0-4 Fill in - fill material consisting of slag, coal and ash, red-brown silt-gravel. 4-6 Red-brown SILT and F-sand, trace M-C sand, moist, no odor.			
13-15	15	0.0	5, 5, 6, 5	0-6 Gray-brown SILT, trace clay and M-sand, v. moist, no odor 6-15 Gray-brown SILT, trace clay and M-sand, wet, no odor		Bottom of Screen	

Geological Symbols:

	Sand, Silt, Gravel		Concrete
	Sand & Silt		Betonite
	Sand, Silt, Clay		Sand
	Sand, Silt, Gravel, Clay		

Sample: B-W1, VOCs: 1" (13'-15')
B-W1, ETPH, SVOCs, RCRA 8 Metals (total):
4'-5" (11'-13') & 0'-6" (13'-15')

Geological Symbols:



Sample: B-W1, VOCs: 1" (13'-15')
 B-W1, ETPH, SVOCs, RCRA 8 Metals (total):
 4"-6" (11'-13') & 0"-5" (13'-15')

BORINGWELL LOG

Project Name: Middletown Brownfields - Weston Property Project Number: 25963-0020 Project Location: Middletown, CT				Drilling Company: Seaboard Environmental Drilling Services Drillers: Jeff and Rich Rig: F-350 w/ 24" Split spoon & 4" auger TRC Inspector: L. Bane		Boring/Well: B-W2/ MW-W2 Date Started: 02/22/2001 Date Completed: 02/22/2001
Depth (feet)	Recovery (inches)	PID (ppm)	Blow Counts	Soil Description	Lithology	Monitoring Well Construction
1-3	8	0.0	5, 9, 17, 9	0-5 Red-brown SILT and F-sand, little gravel, trace M-C sand, v. moist, dense, no odor. 5-8 Red-brown SILT and F-sand, little gravel, trace M-C sand, v. moist, loose, no odor.		0 Flush Mount Casing & Concrete Completion 1 Native fill 7 Betonite Seal 8 Top of sand pack 10 Top of screen 11 1" - 10 Slot PVC Screen 12 #1 Morie Sand 20 Bottom of Screen
3-5	10	0.0	5, 6, 6, 8	0-3 Red-brown SILT and F-sand, little gravel, trace M-C sand, v. moist, loose, no odor. 3-8 Red-brown SILT and F-sand, little gravel, trace clay, M-C sand and gravel, moist, no odor. 8-10 Red-brown SILT and F-sand, little gravel, trace M-C sand and gravel, moist, no odor.		
5-7	9	0.0	4, 2, 2, 3	0-9 Brown M-SAND, trace gravel, moist, no odor.		
7-9	13	0.0	5, 5, 3, 3	0-8 Brown M-SAND, trace gravel, moist, no odor. 8-13 Red-brown SILT, trace clay, moist, no odor. Band of coal between "0-8" and "8-13".		
9-11	12	0.0	4, 4, 2, 3	0-2 Red-brown SILT, trace clay, moist, no odor. 2-3 Layer of coal. 3-8 Brown F-M SAND, trace silt, moist, no odor. 8-9 Layer of coal. 9-12 Red-brown SILT, some F-C sand and gravel, v. moist.		
11-13	12	NR	3, 5, 13, 7	0-3 Fall in (coal ash, silt-gravel, loose, v.wet). 3-12 Brown SILT with little clay, trace M-C sand, wet, no odor.		

Geological Symbols:

	Sand, Silt, Gravel		Sand, Silt, Clay
	Sand, Silt, Gravel, Clay		Concrete
	Sand, Gravel		Betonite
	Silt, Clay		Sand
	Sand & Silt		

Sample: B-W2, VOCs: 7"-8" (9'-11')
 B-W2, SVOCs, RCRA 8 Metals (total): 7'-11'

BORINGWELL LOG

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

Drilling Company: Seaboard Environmental Drilling Services
 Drillers: Jeff and Rich
 Rig: F-350 w/ 24" Split spoon & 4" auger
 TRC Inspector: L. Bane

Boring/Well: B-W3
 Date Started: 02/22/2001
 Date Completed: 02/22/2001

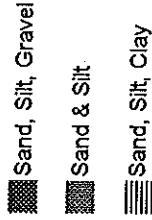
Depth (feet)	Recovery (inches)	PID (ppm)	Blow Counts	Soil Description	Lithology
1-3	8	0.0	8, 18, 7, 7	0-8 Red-brown SILT and F-sand, little M-C sand and grav trace coal and ash, moist, no odor.	1
3-5	19	0.0	9, 11, 8, 7	0-19 Red-brown SILT and F-sand, trace M-C sand, gravel, brick, moist, no odor. Coal at 4".	3
5-7	4	0.0	6, 5, 5, 3	0-4 Red-brown SILT and F-sand, trace M-C sand, gravel, brick, moist, no odor.	5
7-9	12	0.0	3, 3, 3, 4	0-10 Red-brown SILT and F-sand, trace M-C sand, gravel, brick, moist, no odor. 10-12 Brown SILT and F-sand, trace M-C sand, clay, gravel, brick, moist, no odor.	7
9-11	7	0.0	10, 10, 7, 4	0-3 Brown SILT, little gravel, trace C-sand, clay, moist, no odor. 3-7 Coal ash, slag, some silt, wet, no odor.	9
					11

Geological Symbols:

-  Sand, Silt, Gravel
-  Sand, Silt, Gravel, Clay
-  Coal, Slag, Silt

Sample: B-W3, VOCs: 12" (7'-9")
 B-W3, ETPH, SVOCs, RCRA 8 Metals (total):
 0"-12" (7'-9") & 0"-3" (9'-11")

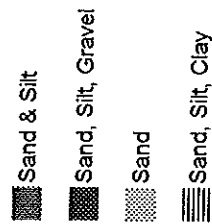
BORINGWELL LOG

Project Name: Middletown Brownfields - Weston Property Project Number: 25863-0020 Project Location: Middletown, CT				Drilling Company: Seaboard Environmental Drilling Services Drillers: Jeff and Rich Rig: F-350 w/ 24" Split spoon & 4" auger TRC Inspector: L. Bane		Boring/Well: B-W4 Date Started: 02/22/2001 Date Completed: 02/22/2001	
Depth (feet)	Recovery (inches)	PID (ppm)	Blow Counts	Soil Description (inches)	Lithology		
1-3	20	0.0	18, 22, 25, 34	0-20 Red-brown F-SAND, little silt, trace M-C sand and gravel, moist, no odor. Coal at 12".		Geological Symbols:  Sand, Silt, Gravel  Sand & Silt  Sand, Silt, Clay	
3-5	11	0.0	44, 35, 26, 29	0-11 Red-brown F-SAND, little silt, trace M-C sand and gravel, moist, no odor. Coal at top of spoon.			
5-7	15	0.0	6, 4, 4, 3	0-7 Red-brown F-SAND, little silt, trace M-sand, moist, no odor. 7-15 Red-brown F-SAND, little silt, trace M-sand, v. moist, no odor.			
7-9	3	0.0	7, 10, 11, 11	0-3 Red-brown F-SAND, little silt, trace M-sand, v. moist, no odor.			
9-11	20	0.0	10, 11, 11, 9	0-5 Red-brown F-SAND, little silt, trace M-sand, v. moist, no odor. 5-7 Brown SILT and F-sand, wet 7-12 Coal, ash, gravel, little silt and F-sand, moist. 12-20 Red-brown SILT, little F-sand, trace clay, pieces of coal, wet at tip.			
Sample: B-W4, VOCs: 20" (9'-11') B-W4, SVOCs, RCRA 8 Metals (total): 0"-20" (9'-11')							

BORINGWELL LOG

Project Name: Middletown Brownfields - Weston Property Project Number: 25863-0020 Project Location: Middletown, CT				Drilling Company: Seaboard Environmental Drilling Services Drillers: Jeff and Rich Rig: F-350 w/ 24" Split spoon & 4" auger TRC Inspector: L. Bane		Boring Well: B-W5 Date Started: 02/22/2001 Date Completed: 02/22/2001	
Depth (feet)	Recovery (inches)	PiD (ppm)	Blow Counts	Soil Description (inches)	Lithology		
1-3	11	0.0	12, 17, 14, 10	0-11 Red-brown F-SAND, little silt, trace M-C sand, gravel, pieces of coal, moist, no odor.		Geological Symbols:  Sand & Silt  Sand, Silt, Gravel  Sand  Sand, Silt, Clay	
3-5	3	0.0	6, 12, 3"/50	0-3 Brown F-SAND, coal, brick debris, moist, no odor.			
5-7	12	0.0	8, 15, 21, 23	0-2 Red-brown SILT and F-sand, trace gravel, moist, no odor. 2-10 Dark brown SILT and F-sand, little M-C sand, gravel, pieces of coal, moist, no odor. 10-12 Red-brown SILT and F-sand, moist, no odor.			
7-9	11	1.1	20, 12, 9, 8	0-4 Red-brown F-SAND, some silt and M-sand, moist, no odor. 4-11 Gray-brown to red-brown F-SAND, some silt, organic odor.			
9-11	8	0.0	13, 12, 11, 17	0-8 Red-brown F-SAND, little silt, trace gravel, pieces of coal at top of spoon, dry, no odor.			
11-13	11	0.0	5, 4, 5, 5	0-3 Red-brown F-M SAND, little silt and gravel. 3-11 Red-brown to gray-brown SILT and F-sand, trace clay, M-C sand, pieces of coal.			
Sample: B-W5, VOCs: 8" (5'-7") B-W5, ETPH, SVOCs, RCRA 8 Metals (total): 2'-10" (5'-7") & 4"-11" (7'-9")							

Geological Symbols:



Sample: B-W5, VOCs: 8" (5'-7')
 B-W5, ETPH, SVOCs, RCRA 8 Metals (total):
 2"-10" (5'-7') & 4"-11" (7'-9')

APPENDIX B
LABORATORY ANALYTICAL DATA

CASE NARRATIVES



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

Sample Receipt

The following samples were received on February 23, 2001 and were logged in under Katahdin Analytical Services work order number WR0512 for a hardcopy due date of March 23, 2001.

<u>Sample No.</u>	<u>Sample Identification</u>
KATAHDIN	TRC
WR0512-1	FB022201
WR0512-2	TB022201
WR0512-3	B-W1
WR0512-4	B-W3
WR0512-5	B-W5
WR0512-6	B-W6
WR0512-7	B-W2
WR0512-8	B-W4

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 Organics Analysis

Seven soil/sediment samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on February 23, 2001, and were requested to be analyzed for the full list of volatile organics in accordance with USEPA method 8260B.

Analyses for this SDG were performed on the 5970-Q, 5973-U, and 5972-F instruments. 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. Matrix spike/matrix spike duplicate pairs were performed on samples WR0512-3 and WR0512-7. Analysis of both pairs yielded either internal standard area and/or surrogate recovery deviations.

0000002



Initial analyses of samples WR0512-3, -4, -5, -6, and -7 yielded internal standard area and/or surrogate recovery deviations. Reanalysis of each had similar results, confirming matrix interference. For samples WR0512-3 and -7, analysis of the MS/MSD pairs confirmed matrix interference in the parent samples. Both sets of data for each sample are included in the 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 curves analyzed for this workorder, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 11.7%, 11.8%, and 11.4%, 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.

Semivolatile Organics Analysis

Six soil/sediment samples were received by the Katahdin GC/MS laboratory on February 23, 2001 for analysis for the PAH list of analytes in accordance with USEPA method 8270B.

The samples were extracted following USEPA method 3550 on February 26, 2001. A laboratory control spike, consisting of all PAH 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 WR0512-8.

The initial calibration curve 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 curve analyzed for this SDG, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 10.2%, the curve was 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.

Metals Analysis

The samples of Katahdin Work Order WR0512 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

Soil-matrix Katahdin Sample Nos. WR0512-(3-8) were digested on 02/27/01 (QC Batch RB27ICS0) in accordance with USEPA Method 3050B prior to ICP analysis. Katahdin Sample No. WR0512-7 was prepared with duplicate matrix-spiked aliquots.

Aqueous-matrix Katahdin Sample No. WR0512-1 was digested on 02/28/01 (QC Batch RB28ICW0) in accordance with USEPA Method 3010A prior to ICP analysis. Two laboratory control samples, identified as LCSWRB28ICW0 and LC2WRB28ICW0, were prepared in this batch at the request of another client whose samples were digested concurrently.

ICP analyses of Katahdin Work Order WR0512 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.

Mercury Analysis by Cold Vapor Atomic Absorption (CVAA) Spectrophotometry

Aqueous-matrix Katahdin Sample No. WR0512-1 was digested on 02/27/01 (QC Batch RB27HGW0) in accordance with USEPA Method 7470A prior to mercury analysis. This sample was prepared with duplicate matrix-spiked aliquots. Two laboratory control samples, identified as LCSWRB27HGW0 and LC2WRB27HGW0, were prepared in this batch at the request of another client whose samples were digested concurrently.

Soil-matrix Katahdin Sample Nos. WR0512-(3-8) were digested on 02/27/01 (QC Batch RB27HGS0) in accordance with USEPA Method 7471A prior to mercury analysis. Katahdin Sample No. WR0512-7 was prepared with duplicate matrix-spiked aliquots.

Mercury digestates were analyzed in accordance with USEPA Methods 7470A and 7471A using a Leeman Labs PS200 automated mercury analyzer. All samples were analyzed within holding times and all QC requirements were met.

00000004



GC Analysis

Samples WR0512-1 and -3 through -6 were received on February 23, 2001 and were analyzed for extractable total petroleum hydrocarbons (ETPH) according to the method prepared by the Environmental Research Institute, University of Connecticut, March 1999. Sample WR0512-5 was selected for the matrix spike (MS) and matrix spike duplicate (MSD) analysis. All samples and QC were extracted and analyzed within hold time, and all QC criteria were met with the following comments:

TPH Analysis

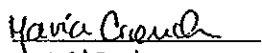
The terms ETPH and TPH are used interchangeably.

The TPH recovery for the matrix spike duplicate, WR0512-5MSD, was high and outside of the laboratory established acceptance limits. This high recovery was likely caused by a lack of homogeneity within the sample, as the recovery of the concurrently run laboratory control spike (LCF1025) was within laboratory acceptance limits.

Samples WR0512-4 through -6, -5MS, and -5MSD were diluted in order to bring the high TPH concentration into the calibration range. Consequently, the surrogate, o-terphenyl, was diluted out of range for each of the diluted samples.

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.


03/21/01
Authorized Signature

0000005

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

CHAIN of CUSTODY

**PLEASE BEAR DOWN AND
PRINT LEGIBLY IN PEN**

Page ____ of ____

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Colby

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TRC ENVIRONMENTAL
MIDDLETOWN BROWNFIELDS

Sample Receipt

The following samples were received on March 13, 2001 and were logged in under Katahdin Analytical Services work order number WR0677 for a hardcopy due date of April 10, 2001.

KATAHDIN <u>Sample No.</u>	TRC ENVIRONMENTAL <u>Sample Identification</u>
WR0677-1	TB0312001
WR0677-2	FB031201
WR0677-3	MW-W1
WR0677-4	MW-W2
WR0677-5	MW-M5
WR0677-6	MW-W31

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

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

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

Volatile Organic Analysis

Six aqueous samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on March 13, 2001, and were requested to be analyzed for the full list of volatile organics in accordance with USEPA method 8260B.

Analyses for this SDG were performed on 5972-M 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 the 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. A matrix spike/matrix spike duplicate pair was analyzed on sample WR0677-3.

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 for this workorder, several analytes had %RSD values exceeding the allowed 15%. Since the average %RSD for all analytes was 13.4%, the curve was acceptable.

00000002



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 WR0677 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. WR0677-(2-6) were digested on 03/14/01 (QC Batch RC14ICW1) in accordance with USEPA Method 3010A prior to ICP analysis. Katahdin Sample No. WR0677-3 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of Katahdin Work Order WR0677 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:

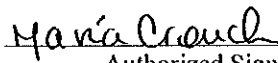
Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently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

Mercury Analysis by Cold Vapor Atomic Absorption (CVAA) Spectrophotometry

Aqueous-matrix Katahdin Sample Nos. WR0677-(2-6) was digested on 03/16/01 (QC Batch RC16HGW0) in accordance with USEPA Method 7470A prior to mercury analysis. Katahdin Sample No. WR0677-3 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.

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.


Authorized Signature
04/11/01

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 BROWNFIELDS

Lab Sample ID: WR0512-3
SDG: WR0512
Report Date: 03/06/2001
PO No.: 02.23.01
Project: 25863-0020-00000
Percent Solids: 80 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date	Date	Date	Prep	
		Sampled	Received	Prepped	Chemist	Preparative Method
B-W1	Solid	02/22/2001	02/23/2001	02/26/2001	GNP	SW846 3550

Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		32	mg/Kg	1.2	6.3	5.0	03/01/2001	AJR
o-Terphenyl		85	%	1.2			03/01/2001	AJR



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-3
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 80
Method: SW8260
Date Analyzed: 2/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W1	SL	2/22/01	2/23/01	2/24/01	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<7	ug/Kg	1.5	7	5
CHLOROMETHANE	<7	ug/Kg	1.5	7	5
VINYL CHLORIDE	<15	ug/Kg	1.5	15	10
BROMOMETHANE	<7	ug/Kg	1.5	7	5
CHLOROETHANE	<7	ug/Kg	1.5	7	5
TRICHLOROFLUOROMETHANE	<7	ug/Kg	1.5	7	5
1,1-DICHLOROETHENE	<7	ug/Kg	1.5	7	5
METHYLENE CHLORIDE	B25	ug/Kg	1.5	7	5
1,2-DICHLOROETHENE (TRANS)	<7	ug/Kg	1.5	7	5
1,1-DICHLOROETHANE	<7	ug/Kg	1.5	7	5
1,2-DICHLOROETHENE (CIS)	<7	ug/Kg	1.5	7	5
2,2-DICHLOROPROPANE	<7	ug/Kg	1.5	7	5
CHLOROFORM	<7	ug/Kg	1.5	7	5
BROMOCHLOROMETHANE	<7	ug/Kg	1.5	7	5
1,1,1-TRICHLOROETHANE	<7	ug/Kg	1.5	7	5
1,2-DICHLOROETHANE	<7	ug/Kg	1.5	7	5
1,1-DICHLOROPROPENE	<7	ug/Kg	1.5	7	5
CARBON TETRACHLORIDE	<7	ug/Kg	1.5	7	5
BENZENE	<7	ug/Kg	1.5	7	5
1,2-DICHLOROPROPANE	<7	ug/Kg	1.5	7	5
TRICHLOROETHENE	<7	ug/Kg	1.5	7	5
DIBROMOMETHANE	<7	ug/Kg	1.5	7	5
BROMODICHLOROMETHANE	<7	ug/Kg	1.5	7	5
CIS-1,3-DICHLOROPROPENE	<7	ug/Kg	1.5	7	5
TOLUENE	<7	ug/Kg	1.5	7	5
TRANS-1,3-DICHLOROPROPENE	<7	ug/Kg	1.5	7	5
1,1,2-TRICHLOROETHANE	<7	ug/Kg	1.5	7	5
1,3-DICHLOROPROPANE	<7	ug/Kg	1.5	7	5
DIBROMOCHLOROMETHANE	<7	ug/Kg	1.5	7	5
TETRACHLOROETHENE	<7	ug/Kg	1.5	7	5
1,2-DIBROMOETHANE	<7	ug/Kg	1.5	7	5
CHLOROBENZENE	<7	ug/Kg	1.5	7	5
1,1,1,2-TETRACHLOROETHANE	<7	ug/Kg	1.5	7	5

Report Notes: B, S



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-3
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 80
Method: SW8260
Date Analyzed: 2/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W1	SL	2/22/01	2/23/01	2/24/01	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<7	ug/Kg	1.5	7	5
BROMOFORM	<7	ug/Kg	1.5	7	5
STYRENE	<7	ug/Kg	1.5	7	5
1,1,2,2-TETRACHLOROETHANE	<7	ug/Kg	1.5	7	5
1,2,3-TRICHLOROPROPANE	<7	ug/Kg	1.5	7	5
ISOPROPYLBENZENE	<7	ug/Kg	1.5	7	5
BROMOBENZENE	<7	ug/Kg	1.5	7	5
2-CHLOROTOLUENE	<7	ug/Kg	1.5	7	5
N-PROPYLBENZENE	<7	ug/Kg	1.5	7	5
4-CHLOROTOLUENE	<7	ug/Kg	1.5	7	5
1,3,5-TRIMETHYLBENZENE	<7	ug/Kg	1.5	7	5
TERT-BUTYLBENZENE	<7	ug/Kg	1.5	7	5
1,2,4-TRICHLOROBENZENE	<7	ug/Kg	1.5	7	5
SEC-BUTYLBENZENE	<7	ug/Kg	1.5	7	5
1,3-DICHLOROBENZENE	<7	ug/Kg	1.5	7	5
P-ISOPROPYLTOLUENE	<7	ug/Kg	1.5	7	5
1,4-DICHLOROBENZENE	<7	ug/Kg	1.5	7	5
1,2-DICHLOROBENZENE	<7	ug/Kg	1.5	7	5
N-BUTYLBENZENE	<7	ug/Kg	1.5	7	5
1,2-DIBROMO-3-CHLOROPROPAN	<7	ug/Kg	1.5	7	5
1,2,4-TRIMETHYLBENZENE	<7	ug/Kg	1.5	7	5
NAPHTHALENE	<7	ug/Kg	1.5	7	5
HEXACHLOROBUTADIENE	<7	ug/Kg	1.5	7	5
1,2,3-TRICHLOROBENZENE	<7	ug/Kg	1.5	7	5
MTBE	<7	ug/Kg	1.5	7	5
ACETONE	31	ug/Kg	1.5	15	10
2-BUTANONE	<15	ug/Kg	1.5	15	10
4-METHYL-2-PENTANONE	<15	ug/Kg	1.5	15	10
2-HEXANONE	<15	ug/Kg	1.5	15	10
M+P-XYLENE	<7	ug/Kg	1.5	7	5
O-XYLENE	<7	ug/Kg	1.5	7	5
1,3,5-TRICHLOROBENZENE	<7	ug/Kg	1.5	7	5
VINYL ACETATE	<7	ug/Kg	1.5	7	5.0

Report Notes: B, \$



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-3
SDG: WR0512
Report Date: 3/7/01
PO No. : 02.23.01
Project: 25863-0020-00000
% Solids: 80
Method: SW8260
Date Analyzed: 2/24/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W1	SL	2/22/01	2/23/01	2/24/01	JSS	5035	JSS

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<7	ug/Kg	1.5	7	5
DIETHYL ETHER	<7	ug/Kg	1.5	7	5
TETRAHYDROFURAN	<15	ug/Kg	1.5	15	10
2-CHLOROETHYLVINYLETHER	<7	ug/Kg	1.5	7	5
DIBROMOFLUOROMETHANE	100	%	1.5		
1,2-DICHLOROETHANE-D4	109	%	1.5		
TOLUENE-D8	74	%	1.5		
P-BROMOFLUOROBENZENE	\$57	%	1.5		

Report Notes: B, \$



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-3
SDG: WR0512
Report Date: 3/12/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 80
Method: EPA 8270
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W1	SL	2/22/01	2/23/01	2/26/2001	GNP	SW3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NAPHTHALENE	<400	ug/Kg	1.2	400	330
2-METHYLNAPHTHALENE	<400	ug/Kg	1.2	400	330
ACENAPHTHYLENE	<400	ug/Kg	1.2	400	330
ACENAPHTHENE	<400	ug/Kg	1.2	400	330
FLUORENE	<400	ug/Kg	1.2	400	330
PHENANTHRENE	J260	ug/Kg	1.2	400	330
ANTHRACENE	<400	ug/Kg	1.2	400	330
FLUORANTHENE	720	ug/Kg	1.2	400	330
PYRENE	710	ug/Kg	1.2	400	330
BENZO[A]ANTHRACENE	J390	ug/Kg	1.2	400	330
CHRYSENE	J390	ug/Kg	1.2	400	330
BENZO[B]FLUORANTHENE	J380	ug/Kg	1.2	400	330
BENZO[K]FLUORANTHENE	<400	ug/Kg	1.2	400	330
BENZO[A]PYRENE	J330	ug/Kg	1.2	400	330
INDENO[1,2,3-CD]PYRENE	J220	ug/Kg	1.2	400	330
DIBENZ[A,H]ANTHRACENE	<400	ug/Kg	1.2	400	330
BENZO[G,H,I]PERYLENE	<400	ug/Kg	1.2	400	330
NITROBENZENE-D5	51	%	1.2		
2-FLUOROBIPHENYL	62	%	1.2		
TERPHENYL-D14	81	%	1.2		

Report Notes: J

I
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-W1

Matrix: SOIL

SDG Name: WR0512

Percent Solids: 79.7

Lab Sample ID: WR0512-003

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	3.8			P	1
7440-39-3	BARIUM	108			P	1
7440-43-9	CADMIUM	0.43	B		P	1
7440-47-3	CHROMIUM	32.4			P	1
7439-92-1	LEAD	84.4		*	P	1
7439-97-6	MERCURY	0.09		N	CV	1
7782-49-2	SELENIUM	0.70	B		P	1
7440-22-4	SILVER	0.25	B		P	1

Color Before: BROWN

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

Sample Data Summary A0000039



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-7
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 91
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W2	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<6	ug/Kg	1.2	6	5
CHLOROMETHANE	<6	ug/Kg	1.2	6	5
VINYL CHLORIDE	<12	ug/Kg	1.2	12	10
BROMOMETHANE	<6	ug/Kg	1.2	6	5
CHLOROETHANE	<6	ug/Kg	1.2	6	5
TRICHLOROFLUOROMETHANE	<6	ug/Kg	1.2	6	5
1,1-DICHLOROETHENE	<6	ug/Kg	1.2	6	5
METHYLENE CHLORIDE	B11	ug/Kg	1.2	6	5
1,2-DICHLOROETHENE (TRANS)	<6	ug/Kg	1.2	6	5
1,1-DICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,2-DICHLOROETHENE (CIS)	<6	ug/Kg	1.2	6	5
2,2-DICHLOROPROPANE	<6	ug/Kg	1.2	6	5
CHLOROFORM	<6	ug/Kg	1.2	6	5
BROMOCHLOROMETHANE	<6	ug/Kg	1.2	6	5
1,1,1-TRICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,2-DICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,1-DICHLOROPROPENE	<6	ug/Kg	1.2	6	5
CARBON TETRACHLORIDE	<6	ug/Kg	1.2	6	5
BENZENE	J5	ug/Kg	1.2	6	5
1,2-DICHLOROPROPANE	<6	ug/Kg	1.2	6	5
TRICHLOROETHENE	<6	ug/Kg	1.2	6	5
DIBROMOMETHANE	<6	ug/Kg	1.2	6	5
BROMODICHLOROMETHANE	<6	ug/Kg	1.2	6	5
CIS-1,3-DICHLOROPROPENE	<6	ug/Kg	1.2	6	5
TOLUENE	J3	ug/Kg	1.2	6	5
TRANS-1,3-DICHLOROPROPENE	<6	ug/Kg	1.2	6	5
1,1,2-TRICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,3-DICHLOROPROPANE	<6	ug/Kg	1.2	6	5
DIBROMOCHLOROMETHANE	<6	ug/Kg	1.2	6	5
TETRACHLOROETHENE	<6	ug/Kg	1.2	6	5
1,2-DIBROMOETHANE	<6	ug/Kg	1.2	6	5
CHLOROBENZENE	<6	ug/Kg	1.2	6	5
1,1,1,2-TETRACHLOROETHANE	<6	ug/Kg	1.2	6	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 BROWNFIELDS

Lab Number: WR0512-7
SDG: WR0512
Report Date: 3/7/01
PO No. : 02.23.01
Project: 25863-0020-00000
% Solids: 91
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W2	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<6	ug/Kg	1.2	6	5
BROMOFORM	<6	ug/Kg	1.2	6	5
STYRENE	<6	ug/Kg	1.2	6	5
1,1,2,2-TETRACHLOROETHANE	<6	ug/Kg	1.2	6	5
1,2,3-TRICHLOROPROPANE	<6	ug/Kg	1.2	6	5
ISOPROPYLBENZENE	<6	ug/Kg	1.2	6	5
BROMOBENZENE	<6	ug/Kg	1.2	6	5
2-CHLOROTOLUENE	<6	ug/Kg	1.2	6	5
N-PROPYLBENZENE	<6	ug/Kg	1.2	6	5
4-CHLOROTOLUENE	<6	ug/Kg	1.2	6	5
1,3,5-TRIMETHYLBENZENE	<6	ug/Kg	1.2	6	5
TERT-BUTYLBENZENE	<6	ug/Kg	1.2	6	5
1,2,4-TRICHLOROBENZENE	<6	ug/Kg	1.2	6	5
SEC-BUTYLBENZENE	<6	ug/Kg	1.2	6	5
1,3-DICHLOROBENZENE	<6	ug/Kg	1.2	6	5
P-ISOPROPYLTOLUENE	<6	ug/Kg	1.2	6	5
1,4-DICHLOROBENZENE	<6	ug/Kg	1.2	6	5
1,2-DICHLOROBENZENE	<6	ug/Kg	1.2	6	5
N-BUTYLBENZENE	<6	ug/Kg	1.2	6	5
1,2-DIBROMO-3-CHLOROPROPAN	<6	ug/Kg	1.2	6	5
1,2,4-TRIMETHYLBENZENE	<6	ug/Kg	1.2	6	5
NAPHTHALENE	<6	ug/Kg	1.2	6	5
HEXACHLOROBUTADIENE	<6	ug/Kg	1.2	6	5
1,2,3-TRICHLOROBENZENE	<6	ug/Kg	1.2	6	5
MTBE	<6	ug/Kg	1.2	6	5
ACETONE	B76	ug/Kg	1.2	12	10
2-BUTANONE	J11	ug/Kg	1.2	12	10
4-METHYL-2-PENTANONE	<12	ug/Kg	1.2	12	10
2-HEXANONE	<12	ug/Kg	1.2	12	10
M+P-XYLENE	<6	ug/Kg	1.2	6	5
O-XYLENE	<6	ug/Kg	1.2	6	5
1,3,5-TRICHLOROBENZENE	<6	ug/Kg	1.2	6	5
VINYL ACETATE	<6	ug/Kg	1.2	6	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 BROWNFIELDS

Lab Number: WR0512-7
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 91
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W2	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<6	ug/Kg	1.2	6	5
DIETHYL ETHER	<6	ug/Kg	1.2	6	5
TETRAHYDROFURAN	<12	ug/Kg	1.2	12	10
2-CHLOROETHYLVINYLETHER	<6	ug/Kg	1.2	6	5
DIBROMOFLUOROMETHANE	88	%	1.2		
1,2-DICHLOROETHANE-D4	97	%	1.2		
TOLUENE-D8	\$68	%	1.2		
P-BROMOFLUOROBENZENE	\$28	%	1.2		

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 BROWNFIELDS

Lab Number: WR0512-7
SDG: WR0512
Report Date: 3/12/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 91
Method: EPA 8270
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W2	SL	2/22/01	2/23/01	2/26/2001	GNP	SW3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NAPHTHALENE	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
ACENAPHTHENE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
PHENANTHRENE	J290	ug/Kg	1.1	360	330
ANTHRACENE	<360	ug/Kg	1.1	360	330
FLUORANTHENE	400	ug/Kg	1.1	360	330
PYRENE	360	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	J240	ug/Kg	1.1	360	330
CHRYSENE	J290	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	J290	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	<360	ug/Kg	1.1	360	330
BENZO[A]PYRENE	J240	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
NITROBENZENE-D5	64	%	1.1		
2-FLUOROBIPHENYL	71	%	1.1		
TERPHENYL-D14	72	%	1.1		

Report Notes: J

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-W2

Matrix: SOIL

SDG Name: WR0512

Percent Solids: 90.6

Lab Sample ID: WR0512-007

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	4.2			P	1
7440-39-3	BARIUM	68.8			P	1
7440-43-9	CADMIUM	0.44	B		P	1
7440-47-3	CHROMIUM	13.0			P	1
7439-92-1	LEAD	1090		*	P	5
7439-97-6	MERCURY	0.45		N	CV	1
7782-49-2	SELENIUM	0.62	B		P	1
7440-22-4	SILVER	0.28	B		P	1

Color Before: BROWN

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

Sample Data Summary A0000043



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Lab Sample ID: WR0512-4
SDG: WR0512
Report Date: 03/06/2001
PO No.: 02.23.01
Project: 25863-0020-00000
Percent Solids: 83 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-W3	Solid	02/22/2001	02/23/2001	02/26/2001	GNP	SW846 3550		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		420	mg/Kg	12	60	5.0	03/01/2001	AJR
o-Terphenyl		DL		12			03/01/2001	AJR

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: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-4
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 83
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W3	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	B9	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, O-13, \$



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Lab Sample ID: WR0512-6
SDG: WR0512
Report Date: 03/06/2001
PO No.: 02.23.01
Project: 25863-0020-00000
Percent Solids: 79 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method		
B-W6	Solid	02/22/2001	02/23/2001	02/26/2001	GNP	SW846 3550		
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst
Total Petroleum Hydrocarbons		460	mg/Kg	13	63	5.0	03/01/2001	AJR
o-Terphenyl		DL		13			03/01/2001	AJR

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: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-6
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 79
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W6	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	B7	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, O-13



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-6
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 79
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W6	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

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	B18	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, O-13



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-6
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 79
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W6	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	1.0	5	5
DIETHYL ETHER	<5	ug/Kg	1.0	5	5
TETRAHYDROFURAN	<10	ug/Kg	1.0	10	10
2-CHLOROETHYL VINYLETHER	<5	ug/Kg	1.0	5	5
DIBROMOFLUOROMETHANE	110	%	1.0		
1,2-DICHLOROETHANE-D4	113	%	1.0		
TOLUENE-D8	108	%	1.0		
P-BROMOFLUOROBENZENE	70	%	1.0		

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: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-6RA
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 79
Method: SW8260
Date Analyzed: 3/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W6	SL	2/22/01	2/23/01	3/1/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<6	ug/Kg	1.2	6	5
CHLOROMETHANE	<6	ug/Kg	1.2	6	5
VINYL CHLORIDE	<12	ug/Kg	1.2	12	10
BROMOMETHANE	<6	ug/Kg	1.2	6	5
CHLOROETHANE	<6	ug/Kg	1.2	6	5
TRICHLOROFLUOROMETHANE	<6	ug/Kg	1.2	6	5
1,1-DICHLOROETHENE	<6	ug/Kg	1.2	6	5
METHYLENE CHLORIDE	B10	ug/Kg	1.2	6	5
1,2-DICHLOROETHENE (TRANS)	<6	ug/Kg	1.2	6	5
1,1-DICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,2-DICHLOROETHENE (CIS)	<6	ug/Kg	1.2	6	5
2,2-DICHLOROPROPANE	<6	ug/Kg	1.2	6	5
CHLOROFORM	<6	ug/Kg	1.2	6	5
BROMOCHLOROMETHANE	<6	ug/Kg	1.2	6	5
1,1,1-TRICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,2-DICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,1-DICHLOROPROPENE	<6	ug/Kg	1.2	6	5
CARBON TETRACHLORIDE	<6	ug/Kg	1.2	6	5
BENZENE	<6	ug/Kg	1.2	6	5
1,2-DICHLOROPROPANE	<6	ug/Kg	1.2	6	5
TRICHLOROETHENE	<6	ug/Kg	1.2	6	5
DIBROMOMETHANE	<6	ug/Kg	1.2	6	5
BROMODICHLOROMETHANE	<6	ug/Kg	1.2	6	5
CIS-1,3-DICHLOROPROPENE	<6	ug/Kg	1.2	6	5
TOLUENE	<6	ug/Kg	1.2	6	5
TRANS-1,3-DICHLOROPROPENE	<6	ug/Kg	1.2	6	5
1,1,2-TRICHLOROETHANE	<6	ug/Kg	1.2	6	5
1,3-DICHLOROPROPANE	<6	ug/Kg	1.2	6	5
DIBROMOCHLOROMETHANE	<6	ug/Kg	1.2	6	5
TETRACHLOROETHENE	<6	ug/Kg	1.2	6	5
1,2-DIBROMOETHANE	<6	ug/Kg	1.2	6	5
CHLOROBENZENE	<6	ug/Kg	1.2	6	5
1,1,1,2-TETRACHLOROETHANE	<6	ug/Kg	1.2	6	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 BROWNFIELDS

Lab Number: WR0512-6RA
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 79
Method: SW8260
Date Analyzed: 3/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W6	SL	2/22/01	2/23/01	3/1/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<6	ug/Kg	1.2	6	5
BROMOFORM	<6	ug/Kg	1.2	6	5
STYRENE	<6	ug/Kg	1.2	6	5
1,1,2,2-TETRACHLOROETHANE	<6	ug/Kg	1.2	6	5
1,2,3-TRICHLOROPROPANE	<6	ug/Kg	1.2	6	5
ISOPROPYLBENZENE	<6	ug/Kg	1.2	6	5
BROMOBENZENE	<6	ug/Kg	1.2	6	5
2-CHLOROTOLUENE	<6	ug/Kg	1.2	6	5
N-PROPYLBENZENE	<6	ug/Kg	1.2	6	5
4-CHLOROTOLUENE	<6	ug/Kg	1.2	6	5
1,3,5-TRIMETHYLBENZENE	<6	ug/Kg	1.2	6	5
TERT-BUTYLBENZENE	<6	ug/Kg	1.2	6	5
1,2,4-TRICHLOROBENZENE	<6	ug/Kg	1.2	6	5
SEC-BUTYLBENZENE	<6	ug/Kg	1.2	6	5
1,3-DICHLOROBENZENE	<6	ug/Kg	1.2	6	5
P-ISOPROPYLTOLUENE	<6	ug/Kg	1.2	6	5
1,4-DICHLOROBENZENE	<6	ug/Kg	1.2	6	5
1,2-DICHLOROBENZENE	<6	ug/Kg	1.2	6	5
N-BUTYLBENZENE	<6	ug/Kg	1.2	6	5
1,2-DIBROMO-3-CHLOROPROPAN	<6	ug/Kg	1.2	6	5
1,2,4-TRIMETHYLBENZENE	<6	ug/Kg	1.2	6	5
NAPHTHALENE	J3	ug/Kg	1.2	6	5
HEXACHLOROBUTADIENE	<6	ug/Kg	1.2	6	5
1,2,3-TRICHLOROBENZENE	<6	ug/Kg	1.2	6	5
MTBE	<6	ug/Kg	1.2	6	5
ACETONE	<12	ug/Kg	1.2	12	10
2-BUTANONE	<12	ug/Kg	1.2	12	10
4-METHYL-2-PENTANONE	<12	ug/Kg	1.2	12	10
2-HEXANONE	<12	ug/Kg	1.2	12	10
M+P-XYLENE	<6	ug/Kg	1.2	6	5
O-XYLENE	<6	ug/Kg	1.2	6	5
1,3,5-TRICHLOROBENZENE	<6	ug/Kg	1.2	6	5
VINYL ACETATE	<6	ug/Kg	1.2	6	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 BROWNFIELDS

Lab Number: WR0512-6RA
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 79
Method: SW8260
Date Analyzed: 3/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W6	SL	2/22/01	2/23/01	3/1/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<6	ug/Kg	1.2	6	5
DIETHYL ETHER	<6	ug/Kg	1.2	6	5
TETRAHYDROFURAN	<12	ug/Kg	1.2	12	10
2-CHLOROETHYLVINYLETHER	<6	ug/Kg	1.2	6	5
DIBROMOFLUOROMETHANE	133	%	1.2		
1,2-DICHLOROETHANE-D4	145	%	1.2		
TOLUENE-D8	90	%	1.2		
P-BROMOFLUOROBENZENE	\$54	%	1.2		

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 BROWNFIELDS

Lab Number: WR0512-6
SDG: WR0512
Report Date: 3/12/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 79
Method: EPA 8270
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W6	SL	2/22/01	2/23/01	2/26/2001	GNP	SW3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NAPHTHALENE	<430	ug/Kg	1.3	430	330
2-METHYLNAPHTHALENE	<430	ug/Kg	1.3	430	330
ACENAPHTHYLENE	J330	ug/Kg	1.3	430	330
ACENAPHTHENE	<430	ug/Kg	1.3	430	330
FLUORENE	<430	ug/Kg	1.3	430	330
PHENANTHRENE	470	ug/Kg	1.3	430	330
ANTHRACENE	J280	ug/Kg	1.3	430	330
FLUORANTHENE	1300	ug/Kg	1.3	430	330
PYRENE	1300	ug/Kg	1.3	430	330
BENZO[A]ANTHRACENE	810	ug/Kg	1.3	430	330
CHRYSENE	920	ug/Kg	1.3	430	330
BENZO[B]FLUORANTHENE	1300	ug/Kg	1.3	430	330
BENZO[K]FLUORANTHENE	J420	ug/Kg	1.3	430	330
BENZO[A]PYRENE	870	ug/Kg	1.3	430	330
INDENO[1,2,3-CD]PYRENE	860	ug/Kg	1.3	430	330
DIBENZ[A,H]ANTHRACENE	<430	ug/Kg	1.3	430	330
BENZO[G,H,I]PERYLENE	850	ug/Kg	1.3	430	330
NITROBENZENE-D5	60	%	1.3		
2-FLUOROBIPHENYL	68	%	1.3		
TERPHENYL-D14	83	%	1.3		

Report Notes: J

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-W6

Matrix: SOIL

SDG Name: WR0512

Percent Solids: 78.9

Lab Sample ID: WR0512-006

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	3.0			P	1
7440-39-3	BARIUM	71.0			P	1
7440-43-9	CADMIUM	0.46	B		P	1
7440-47-3	CHROMIUM	18.1			P	1
7439-92-1	LEAD	79.8		*	P	1
7439-97-6	MERCURY	0.54		N	CV	1
7782-49-2	SELENIUM	0.64	B		P	1
7440-22-4	SILVER	0.17	B		P	1

Color Before: BROWN

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-8
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 84
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W4	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.95	5	5
CHLOROMETHANE	<5	ug/Kg	0.95	5	5
VINYL CHLORIDE	<10	ug/Kg	0.95	10	10
BROMOMETHANE	<5	ug/Kg	0.95	5	5
CHLOROETHANE	<5	ug/Kg	0.95	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.95	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.95	5	5
METHYLENE CHLORIDE	B14	ug/Kg	0.95	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.95	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.95	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.95	5	5
CHLOROFORM	<5	ug/Kg	0.95	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.95	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.95	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.95	5	5
BENZENE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.95	5	5
TRICHLOROETHENE	<5	ug/Kg	0.95	5	5
DIBROMOMETHANE	<5	ug/Kg	0.95	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.95	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.95	5	5
TOLUENE	<5	ug/Kg	0.95	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.95	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.95	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.95	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.95	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.95	5	5
CHLOROBENZENE	<5	ug/Kg	0.95	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.95	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 BROWNFIELDS

Lab Number: WR0512-8
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 84
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W4	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.95	5	5
BROMOFORM	<5	ug/Kg	0.95	5	5
STYRENE	<5	ug/Kg	0.95	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.95	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.95	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.95	5	5
BROMOBENZENE	<5	ug/Kg	0.95	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.95	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.95	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.95	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.95	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.95	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.95	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.95	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.95	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.95	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.95	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.95	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.95	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.95	5	5
NAPHTHALENE	<5	ug/Kg	0.95	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.95	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.95	5	5
MTBE	<5	ug/Kg	0.95	5	5
ACETONE	B32	ug/Kg	0.95	10	10
2-BUTANONE	<10	ug/Kg	0.95	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.95	10	10
2-HEXANONE	<10	ug/Kg	0.95	10	10
M+P-XYLENE	<5	ug/Kg	0.95	5	5
O-XYLENE	<5	ug/Kg	0.95	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/Kg	0.95	5	5
VINYL ACETATE	<5.0	ug/Kg	0.95	5.0	5.0

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-8
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 84
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W4	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.95	5	5
DIETHYL ETHER	<5	ug/Kg	0.95	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.95	10	10
2-CHLOROETHYL VINYLETHER	<5	ug/Kg	0.95	5	5
DIBROMOFLUOROMETHANE	106	%	0.95		
1,2-DICHLOROETHANE-D4	113	%	0.95		
TOLUENE-D8	93	%	0.95		
P-BROMOFLUOROBENZENE	84	%	0.95		

Report Notes: B



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-8
SDG: WR0512
Report Date: 3/12/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 84
Method: EPA 8270
Date Analyzed: 3/8/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W4	SL	2/22/01	2/23/01	2/26/2001	GNP	SW3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NAPHTHALENE	<400	ug/Kg	1.2	400	330
2-METHYLNAPHTHALENE	<400	ug/Kg	1.2	400	330
ACENAPHTHYLENE	<400	ug/Kg	1.2	400	330
ACENAPHTHENE	<400	ug/Kg	1.2	400	330
FLUORENE	<400	ug/Kg	1.2	400	330
PHENANTHRENE	<400	ug/Kg	1.2	400	330
ANTHRACENE	<400	ug/Kg	1.2	400	330
FLUORANTHENE	<400	ug/Kg	1.2	400	330
PYRENE	<400	ug/Kg	1.2	400	330
BENZO[A]ANTHRACENE	<400	ug/Kg	1.2	400	330
CHRYSENE	<400	ug/Kg	1.2	400	330
BENZO[B]FLUORANTHENE	<400	ug/Kg	1.2	400	330
BENZO[K]FLUORANTHENE	<400	ug/Kg	1.2	400	330
BENZO[A]PYRENE	<400	ug/Kg	1.2	400	330
INDENO[1,2,3-CD]PYRENE	<400	ug/Kg	1.2	400	330
DIBENZ[A,H]ANTHRACENE	<400	ug/Kg	1.2	400	330
BENZO[G,H,I]PERYLENE	<400	ug/Kg	1.2	400	330
NITROBENZENE-D5	64	%	1.2		
2-FLUOROBIPHENYL	73	%	1.2		
TERPHENYL-D14	87	%	1.2		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-W4

Matrix: SOIL

SDG Name: WR0512

Percent Solids: 83.9

Lab Sample ID: WR0512-008

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.6			P	1
7440-39-3	BARIUM	96.1			P	1
7440-43-9	CADMIUM	0.35	B		P	1
7440-47-3	CHROMIUM	18.0			P	1
7439-92-1	LEAD	69.4		*	P	1
7439-97-6	MERCURY	0.23		N	CV	1
7782-49-2	SELENIUM	0.36	B		P	1
7440-22-4	SILVER	0.11	U		P	1

Color Before: BROWN

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Comments:



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Lab Sample ID: WR0512-5
SDG: WR0512
Report Date: 03/06/2001
PO No.: 02.23.01
Project: 25863-0020-00000
Percent Solids: 87 %
Analytical Method: SW846 8015M (FUEL)

Sample Description	Matrix	Date Sampled	Date Received	Date Prepped	Prep Chemist	Preparative Method			
B-W5	Solid	02/22/2001	02/23/2001	02/26/2001	GNP	SW846 3550			
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst	
Total Petroleum Hydrocarbons		210	mg/Kg	11	57	5.0	03/01/2001	AJR	
o-Terphenyl		DL		11			03/01/2001	AJR	

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: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-5
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 87
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W5	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.86	5	5
CHLOROMETHANE	<5	ug/Kg	0.86	5	5
VINYL CHLORIDE	<10	ug/Kg	0.86	10	10
BROMOMETHANE	<5	ug/Kg	0.86	5	5
CHLOROETHANE	<5	ug/Kg	0.86	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.86	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.86	5	5
METHYLENE CHLORIDE	B11	ug/Kg	0.86	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.86	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.86	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.86	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.86	5	5
CHLOROFORM	<5	ug/Kg	0.86	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.86	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.86	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.86	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.86	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.86	5	5
BENZENE	<5	ug/Kg	0.86	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.86	5	5
TRICHLOROETHENE	<5	ug/Kg	0.86	5	5
DIBROMOMETHANE	<5	ug/Kg	0.86	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.86	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.86	5	5
TOLUENE	J4	ug/Kg	0.86	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.86	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.86	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.86	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.86	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.86	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.86	5	5
CHLOROBENZENE	<5	ug/Kg	0.86	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.86	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 BROWNFIELDS

Lab Number: WR0512-5
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 87
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W5	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.86	5	5
BROMOFORM	<5	ug/Kg	0.86	5	5
STYRENE	<5	ug/Kg	0.86	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.86	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.86	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.86	5	5
BROMOBENZENE	<5	ug/Kg	0.86	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.86	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.86	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.86	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.86	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.86	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.86	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.86	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.86	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.86	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.86	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.86	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.86	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.86	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.86	5	5
NAPHTHALENE	11	ug/Kg	0.86	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.86	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.86	5	5
MTBE	<5	ug/Kg	0.86	5	5
ACETONE	B20	ug/Kg	0.86	10	10
2-BUTANONE	<10	ug/Kg	0.86	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.86	10	10
2-HEXANONE	<10	ug/Kg	0.86	10	10
M+P-XYLENE	<5	ug/Kg	0.86	5	5
O-XYLENE	<5	ug/Kg	0.86	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/Kg	0.86	5	5
VINYL ACETATE	<5.0	ug/Kg	0.86	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 BROWNFIELDS

Lab Number: WR0512-5
SDG: WR0512
Report Date: 3/7/01
PO No. : 02.23.01
Project: 25863-0020-00000
% Solids: 87
Method: SW8260
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W5	SL	2/22/01	2/23/01	2/28/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.86	5	5
DIETHYL ETHER	<5	ug/Kg	0.86	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.86	10	10
2-CHLOROETHYL VINYLETHER	<5	ug/Kg	0.86	5	5
DIBROMOFLUOROMETHANE	114	%	0.86		
1,2-DICHLOROETHANE-D4	132	%	0.86		
TOLUENE-D8	102	%	0.86		
P-BROMOFLUOROBENZENE	77	%	0.86		

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 BROWNFIELDS

Lab Number: WR0512-5RA
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 87
Method: SW8260
Date Analyzed: 3/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W5	SL	2/22/01	2/23/01	3/1/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	0.95	5	5
CHLOROMETHANE	<5	ug/Kg	0.95	5	5
VINYL CHLORIDE	<10	ug/Kg	0.95	10	10
BROMOMETHANE	<5	ug/Kg	0.95	5	5
CHLOROETHANE	<5	ug/Kg	0.95	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	0.95	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	0.95	5	5
METHYLENE CHLORIDE	B15	ug/Kg	0.95	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/Kg	0.95	5	5
1,1-DICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/Kg	0.95	5	5
2,2-DICHLOROPROPANE	<5	ug/Kg	0.95	5	5
CHLOROFORM	<5	ug/Kg	0.95	5	5
BROMOCHLOROMETHANE	<5	ug/Kg	0.95	5	5
1,1,1-TRICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,1-DICHLOROPROPENE	<5	ug/Kg	0.95	5	5
CARBON TETRACHLORIDE	<5	ug/Kg	0.95	5	5
BENZENE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROPROPANE	<5	ug/Kg	0.95	5	5
TRICHLOROETHENE	<5	ug/Kg	0.95	5	5
DIBROMOMETHANE	<5	ug/Kg	0.95	5	5
BROMODICHLOROMETHANE	<5	ug/Kg	0.95	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.95	5	5
TOLUENE	<5	ug/Kg	0.95	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/Kg	0.95	5	5
1,1,2-TRICHLOROETHANE	<5	ug/Kg	0.95	5	5
1,3-DICHLOROPROPANE	<5	ug/Kg	0.95	5	5
DIBROMOCHLOROMETHANE	<5	ug/Kg	0.95	5	5
TETRACHLOROETHENE	<5	ug/Kg	0.95	5	5
1,2-DIBROMOETHANE	<5	ug/Kg	0.95	5	5
CHLOROBENZENE	<5	ug/Kg	0.95	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/Kg	0.95	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 BROWNFIELDS

Lab Number: WR0512-5RA
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 87
Method: SW8260
Date Analyzed: 3/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W5	SL	2/22/01	2/23/01	3/1/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/Kg	0.95	5	5
BROMOFORM	<5	ug/Kg	0.95	5	5
STYRENE	<5	ug/Kg	0.95	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/Kg	0.95	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/Kg	0.95	5	5
ISOPROPYLBENZENE	<5	ug/Kg	0.95	5	5
BROMOBENZENE	<5	ug/Kg	0.95	5	5
2-CHLOROTOLUENE	<5	ug/Kg	0.95	5	5
N-PROPYLBENZENE	<5	ug/Kg	0.95	5	5
4-CHLOROTOLUENE	<5	ug/Kg	0.95	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/Kg	0.95	5	5
TERT-BUTYLBENZENE	<5	ug/Kg	0.95	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/Kg	0.95	5	5
SEC-BUTYLBENZENE	<5	ug/Kg	0.95	5	5
1,3-DICHLOROBENZENE	<5	ug/Kg	0.95	5	5
P-ISOPROPYLTOLUENE	<5	ug/Kg	0.95	5	5
1,4-DICHLOROBENZENE	<5	ug/Kg	0.95	5	5
1,2-DICHLOROBENZENE	<5	ug/Kg	0.95	5	5
N-BUTYLBENZENE	<5	ug/Kg	0.95	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/Kg	0.95	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/Kg	0.95	5	5
NAPHTHALENE	7	ug/Kg	0.95	5	5
HEXACHLOROBUTADIENE	<5	ug/Kg	0.95	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/Kg	0.95	5	5
MTBE	<5	ug/Kg	0.95	5	5
ACETONE	28	ug/Kg	0.95	10	10
2-BUTANONE	<10	ug/Kg	0.95	10	10
4-METHYL-2-PENTANONE	<10	ug/Kg	0.95	10	10
2-HEXANONE	<10	ug/Kg	0.95	10	10
M+P-XYLENE	<5	ug/Kg	0.95	5	5
O-XYLENE	<5	ug/Kg	0.95	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/Kg	0.95	5	5
VINYL ACETATE	<5.0	ug/Kg	0.95	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: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-5RA
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 87
Method: SW8260
Date Analyzed: 3/1/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W5	SL	2/22/01	2/23/01	3/1/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	0.95	5	5
DIETHYL ETHER	<5	ug/Kg	0.95	5	5
TETRAHYDROFURAN	<10	ug/Kg	0.95	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/Kg	0.95	5	5
DIBROMOFLUOROMETHANE	\$166	%	0.95		
1,2-DICHLOROETHANE-D4	\$179	%	0.95		
TOLUENE-D8	118	%	0.95		
P-BROMOFLUOROBENZENE	95	%	0.95		

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 BROWNFIELDS

Lab Number: WR0512-5
SDG: WR0512
Report Date: 3/12/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: 87
Method: EPA 8270
Date Analyzed: 2/28/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
B-W5	SL	2/22/01	2/23/01	2/26/2001	GNP	SW3550	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
NAPHTHALENE	<360	ug/Kg	1.1	360	330
2-METHYLNAPHTHALENE	<360	ug/Kg	1.1	360	330
ACENAPHTHYLENE	<360	ug/Kg	1.1	360	330
ACENAPHTHENE	<360	ug/Kg	1.1	360	330
FLUORENE	<360	ug/Kg	1.1	360	330
PHENANTHRENE	790	ug/Kg	1.1	360	330
ANTHRACENE	J260	ug/Kg	1.1	360	330
FLUORANTHENE	1600	ug/Kg	1.1	360	330
PYRENE	1600	ug/Kg	1.1	360	330
BENZO[A]ANTHRACENE	920	ug/Kg	1.1	360	330
CHRYSENE	910	ug/Kg	1.1	360	330
BENZO[B]FLUORANTHENE	1100	ug/Kg	1.1	360	330
BENZO[K]FLUORANTHENE	380	ug/Kg	1.1	360	330
BENZO[A]PYRENE	780	ug/Kg	1.1	360	330
INDENO[1,2,3-CD]PYRENE	470	ug/Kg	1.1	360	330
DIBENZ[A,H]ANTHRACENE	<360	ug/Kg	1.1	360	330
BENZO[G,H,I]PERYLENE	380	ug/Kg	1.1	360	330
NITROBENZENE-D5	55	%	1.1		
2-FLUOROBIPHENYL	63	%	1.1		
TERPHENYL-D14	77	%	1.1		

Report Notes: J

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: B-W5

Matrix: SOIL

SDG Name: WR0512

Percent Solids: 87.2

Lab Sample ID: WR0512-005

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	5.4			P	1
7440-39-3	BARIUM	75.0			P	1
7440-43-9	CADMIUM	0.29	B		P	1
7440-47-3	CHROMIUM	17.2			P	1
7439-92-1	LEAD	230		*	P	1
7439-97-6	MERCURY	0.36		N	CV	1
7782-49-2	SELENIUM	1.4			P	1
7440-22-4	SILVER	0.34	B		P	1

Color Before: BROWN

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Comments:

FORM I - IN

Sample Data Summary A0000041

GROUND WATER ANALYTICAL DATA



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-3
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W1	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-3
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W1	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-3
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W1	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYL VINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	101	%	1.0		
1,2-DICHLOROETHANE-D4	100	%	1.0		
TOLUENE-D8	96	%	1.0		
P-BROMOFLUOROBENZENE	90	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-W1

Matrix: WATER

SDG Name: WR0677

Percent Solids: 0.00

Lab Sample ID: WR0677-003

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	232			P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-47-3	CHROMIUM	0.64	B		P	1
7439-92-1	LEAD	3.9	B		P	1
7439-97-6	MERCURY	0.03	U		CV	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: COLORLESS

Clarity After: CLEAR

Comments:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-4
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W2	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	10	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-4
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W2	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-4
SDG: WR0677
Report Date: 3/15/01
PO No. : 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W2	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	102	%	1.0		
1,2-DICHLOROETHANE-D4	100	%	1.0		
TOLUENE-D8	96	%	1.0		
P-BROMOFLUOROBENZENE	94	%	1.0		

Report Notes:

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-W2

Matrix: WATER

SDG Name: WR0677

Percent Solids: 0.00

Lab Sample ID: WR0677-004

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	53.9			P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-47-3	CHROMIUM	0.60	B		P	1
7439-92-1	LEAD	3.3	B		P	1
7439-97-6	MERCURY	0.03	U		CV	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: COLORLESS

Clarity After: CLEAR

Comments:

FORM I - IN

Sample Data Summary A0000022



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-6
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W31	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	10	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-6
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W31	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-6
SDG: WR0677
Report Date: 3/15/01
PO No. : 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-W31	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	101	%	1.0		
1,2-DICHLOROETHANE-D4	100	%	1.0		
TOLUENE-D8	95	%	1.0		
P-BROMOFLUOROBENZENE	92	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-W31

Matrix: WATER

SDG Name: WR0677

Percent Solids: 0.00

Lab Sample ID: WR0677-006

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	54.3			P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-47-3	CHROMIUM	0.57	U		P	1
7439-92-1	LEAD	3.8	B		P	1
7439-97-6	MERCURY	0.03	U		CV	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: COLORLESS

Clarity After: CLEAR

Comments:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-5
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M5	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-5
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M5	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-5
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MW-M5	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	103	%	1.0		
1,2-DICHLOROETHANE-D4	103	%	1.0		
TOLUENE-D8	94	%	1.0		
P-BROMOFLUOROBENZENE	91	%	1.0		

Report Notes:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: MW-M5

Matrix: WATER

SDG Name: WR0677

Percent Solids: 0.00

Lab Sample ID: WR0677-005

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	107			P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-47-3	CHROMIUM	3.4	B		P	1
7439-92-1	LEAD	61.9			P	1
7439-97-6	MERCURY	0.14	B		CV	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1

Color Before: BROWN

Clarity Before: CLEAR

Color After: COLORLESS

Clarity After: CLEAR

Comments:

FORM I - IN

**QUALITY ASSURANCE / QUALITY CONTROL
SAMPLES**



Katahdin Analytical Services, Inc.

REPORT OF ANALYTICAL RESULTS

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

Lab Sample ID: WR0512-1
SDG: WR0512
Report Date: 03/06/2001
PO No.: 02.23.01
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			
FB022201	Aqueous	02/22/2001	02/23/2001	02/28/2001	GNP	SW846 3510			
Analyte	Qualifier	Result	Units	DF	Sample PQL	Method PQL	Date Analyzed	Analyst	
Total Petroleum Hydrocarbons		< 50	ug/L	1.0	50	50	02/28/2001	AJR	
o-Terphenyl		79	%	1.0			02/28/2001	AJR	

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FB022201

Matrix: WATER

SDG Name: WR0512

Percent Solids: 0.00

Lab Sample ID: WR0512-001

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	0.50	B		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-47-3	CHROMIUM	0.74	B		P	1
7439-92-1	LEAD	3.5	B		P	1
7439-97-6	MERCURY	0.03	U		CV	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: COLORLESS

Clarity After: CLEAR

Comments:

FORM I - IN

Sample Data Summary A0000038



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-2
SDG: WR0512
Report Date: 3/7/01
PO No. : 02.23.01
Project: 25863-0020-00000
% Solids: -
Method: SW8260
Date Analyzed: 2/26/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB022201	SL	2/22/01	2/23/01	2/26/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/Kg	1.0	5	5
CHLOROMETHANE	<5	ug/Kg	1.0	5	5
VINYL CHLORIDE	<10	ug/Kg	1.0	10	10
BROMOMETHANE	<5	ug/Kg	1.0	5	5
CHLOROETHANE	<5	ug/Kg	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/Kg	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/Kg	1.0	5	5
METHYLENE CHLORIDE	32	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	10	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: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-2
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: -
Method: SW8260
Date Analyzed: 2/26/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB022201	SL	2/22/01	2/23/01	2/26/01	KMC	5035	KMC

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	J7	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: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095
Proj. ID: MIDDLETOWN BROWNFIELDS

Lab Number: WR0512-2
SDG: WR0512
Report Date: 3/7/01
PO No.: 02.23.01
Project: 25863-0020-00000
% Solids: -
Method: SW8260
Date Analyzed: 2/26/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB022201	SL	2/22/01	2/23/01	2/26/01	KMC	5035	KMC

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/Kg	1.0	5	5
DIETHYL ETHER	<5	ug/Kg	1.0	5	5
TETRAHYDROFURAN	<10	ug/Kg	1.0	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/Kg	1.0	5	5
DIBROMOFLUOROMETHANE	93	%	1.0		
1,2-DICHLOROETHANE-D4	92	%	1.0		
TOLUENE-D8	93	%	1.0		
P-BROMOFLUOROBENZENE	96	%	1.0		

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-2
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
FB031201	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-2
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
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FB031201	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG
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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	24	ug/L	1.0	10	10
2-BUTANONE	J7	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-2
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
FB031201	AQ	3/12/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYL VINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	98	%	1.0		
1,2-DICHLOROETHANE-D4	96	%	1.0		
TOLUENE-D8	94	%	1.0		
P-BROMOFLUOROBENZENE	93	%	1.0		

Report Notes: J

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FB031201

Matrix: WATER

SDG Name: WR0677

Percent Solids: 0.00

Lab Sample ID: WR0677-002

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

CAS No.	Analyte	Concentration	C	Q	M	DF
7440-38-2	ARSENIC	2.53	U		P	1
7440-39-3	BARIUM	0.15	U		P	1
7440-43-9	CADMIUM	0.24	U		P	1
7440-47-3	CHROMIUM	0.57	U		P	1
7439-92-1	LEAD	3.2	B		P	1
7439-97-6	MERCURY	0.03	U		CV	1
7782-49-2	SELENIUM	3.04	U		P	1
7440-22-4	SILVER	1.03	U		P	1

Color Before: COLORLESS

Clarity Before: CLEAR

Color After: COLORLESS

Clarity After: CLEAR

Comments:

FORM I - IN

Sample Data Summary A0000020



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-1
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB0312001	AQ	3/8/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
DICHLORODIFLUOROMETHANE	<5	ug/L	1.0	5	5
CHLOROMETHANE	<5	ug/L	1.0	5	5
VINYL CHLORIDE	<2	ug/L	1.0	2	2
BROMOMETHANE	<5	ug/L	1.0	5	5
CHLOROETHANE	<5	ug/L	1.0	5	5
TRICHLOROFLUOROMETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROETHENE	<5	ug/L	1.0	5	5
METHYLENE CHLORIDE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (TRANS)	<5	ug/L	1.0	5	5
1,1-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHENE (CIS)	<5	ug/L	1.0	5	5
2,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
CHLOROFORM	<5	ug/L	1.0	5	5
BROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
1,1,1-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,2-DICHLOROETHANE	<5	ug/L	1.0	5	5
1,1-DICHLOROPROPENE	<5	ug/L	1.0	5	5
CARBON TETRACHLORIDE	<5	ug/L	1.0	5	5
BENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROPROPANE	<5	ug/L	1.0	5	5
TRICHLOROETHENE	<5	ug/L	1.0	5	5
DIBROMOMETHANE	<5	ug/L	1.0	5	5
BROMODICHLOROMETHANE	<5	ug/L	1.0	5	5
CIS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
TOLUENE	<5	ug/L	1.0	5	5
TRANS-1,3-DICHLOROPROPENE	<5	ug/L	1.0	5	5
1,1,2-TRICHLOROETHANE	<5	ug/L	1.0	5	5
1,3-DICHLOROPROPANE	<5	ug/L	1.0	5	5
DIBROMOCHLOROMETHANE	<5	ug/L	1.0	5	5
TETRACHLOROETHENE	<5	ug/L	1.0	5	5
1,2-DIBROMOETHANE	<5	ug/L	1.0	5	5
CHLOROBENZENE	<5	ug/L	1.0	5	5
1,1,1,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-1
SDG: WR0677
Report Date: 3/15/01
PO No.: 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB0312001	AQ	3/8/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
ETHYLBENZENE	<5	ug/L	1.0	5	5
BROMOFORM	<5	ug/L	1.0	5	5
STYRENE	<5	ug/L	1.0	5	5
1,1,2,2-TETRACHLOROETHANE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROPROPANE	<5	ug/L	1.0	5	5
ISOPROPYLBENZENE	<5	ug/L	1.0	5	5
BROMOBENZENE	<5	ug/L	1.0	5	5
2-CHLOROTOLUENE	<5	ug/L	1.0	5	5
N-PROPYLBENZENE	<5	ug/L	1.0	5	5
4-CHLOROTOLUENE	<5	ug/L	1.0	5	5
1,3,5-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
TERT-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2,4-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
SEC-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,3-DICHLOROBENZENE	<5	ug/L	1.0	5	5
P-ISOPROPYLTOLUENE	<5	ug/L	1.0	5	5
1,4-DICHLOROBENZENE	<5	ug/L	1.0	5	5
1,2-DICHLOROBENZENE	<5	ug/L	1.0	5	5
N-BUTYLBENZENE	<5	ug/L	1.0	5	5
1,2-DIBROMO-3-CHLOROPROPAN	<5	ug/L	1.0	5	5
1,2,4-TRIMETHYLBENZENE	<5	ug/L	1.0	5	5
NAPHTHALENE	<5	ug/L	1.0	5	5
HEXACHLOROBUTADIENE	<5	ug/L	1.0	5	5
1,2,3-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
MTBE	<5	ug/L	1.0	5	5
ACETONE	<10	ug/L	1.0	10	10
2-BUTANONE	<10	ug/L	1.0	10	10
4-METHYL-2-PENTANONE	<10	ug/L	1.0	10	10
2-HEXANONE	<10	ug/L	1.0	10	10
M+P-XYLENE	<5	ug/L	1.0	5	5
O-XYLENE	<5	ug/L	1.0	5	5
1,3,5-TRICHLOROBENZENE	<5	ug/L	1.0	5	5
VINYL ACETATE	<5.0	ug/L	1.0	5.0	5.0

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: Sarah Trombetta
TRC Environmental
5 Waterside Crossing

Windsor, CT 06095

Proj. ID:

Lab Number: WR0677-1
SDG: WR0677
Report Date: 3/15/01
PO No. : 03.13.01
Project: MIDDLETOWN BROWNFIELD
% Solids: N/A
Method: SW8260
Date Analyzed: 3/13/01

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TB0312001	AQ	3/8/01	3/13/01	3/13/01	BEG	5030	BEG

Compound	Result	Units	DF	Sample PQL	Method PQL
CARBON DISULFIDE	<5	ug/L	1.0	5	5
DIETHYL ETHER	<5	ug/L	1.0	5	5
TETRAHYDROFURAN	<10	ug/L	1.0	10	10
2-CHLOROETHYLVINYLETHER	<5	ug/L	1.0	5	5
DIBROMOFLUOROMETHANE	100	%	1.0		
1,2-DICHLOROETHANE-D4	96	%	1.0		
TOLUENE-D8	94	%	1.0		
P-BROMOFLUOROBENZENE	92	%	1.0		

Report Notes: