

A Department of Ecology Report



Hamilton/Labree Roads PCE Site Ground Water Monitoring October 1997 - July 1998

Summary

Groundwater, surface water and soil samples were collected between October 1997 and July 1998 at the Hamilton/Labree Roads Perchloroethylene (PCE) site located three miles southwest of Chehalis, Washington (Figure 1). These samples were collected to investigate the distribution and concentration of localized PCE contaminated groundwater.

Groundwater samples were collected quarterly over the monitoring period from eight monitoring wells and six private wells (Figure 2). Surface water samples were collected from Berwick Creek in April and July 1998. In January 1998, soil samples were collected from the property with the highest PCE contaminated drinking water. All samples were collected and analyzed for volatile organics (VOAs). Results are summarized below.

- PCE was detected in all of the eight monitoring wells. Average PCE concentrations are as follows:

Average PCE Concentrations ($\mu\text{g}/\text{L}$) in the Monitoring Wells from October 1997 to July 1998

	<i>MW-1</i>	<i>MW-2</i>	<i>MW-3</i>	<i>MW-4</i>	<i>MW-5</i>	<i>MW-6</i>	<i>MW-7</i>	<i>MW-8</i>
PCE ($\mu\text{g}/\text{L}$)	0.75	228	1153	327	4.5	171	1.1	1850

PCE concentrations in five of the monitoring wells consistently exceeded the Model Toxic Control Act (MTCA) Method A cleanup standard for PCE in groundwater of 5 $\mu\text{g}/\text{L}$.

- PCE was also detected in all of the six private wells. Average PCE concentrations are as follows:

Average PCE Concentrations ($\mu\text{g}/\text{L}$) in the Private Wells from October 1997 to July 1998

	<i>HL-2</i>	<i>HL-3</i>	<i>HL-4</i>	<i>HL-5</i>	<i>HL-7</i>	<i>HL-9</i>
PCE ($\mu\text{g}/\text{L}$)	96	364	200	9	656	3215

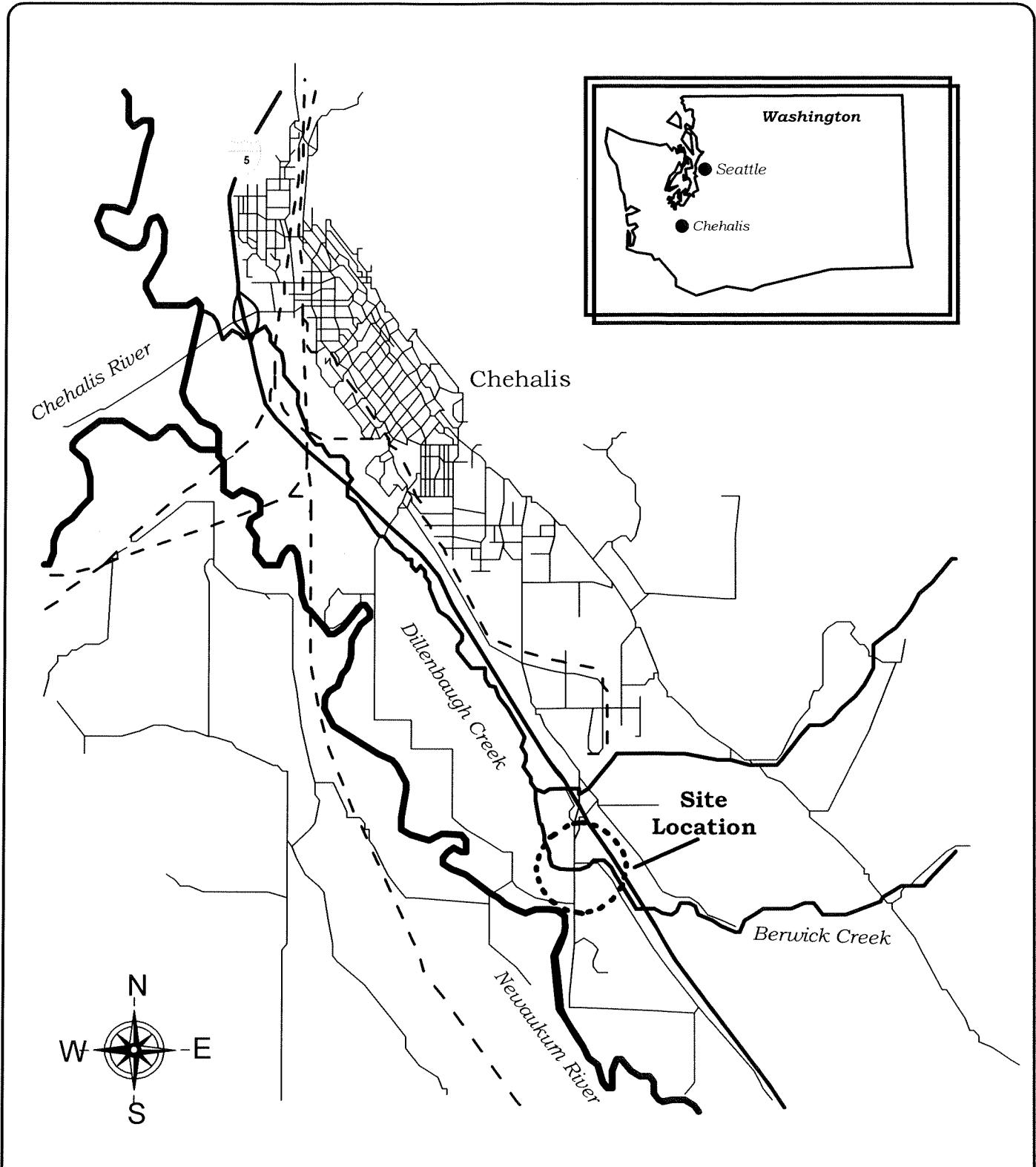


Figure 1

**Hamilton/Labree Roads PCE Site
Site Location**

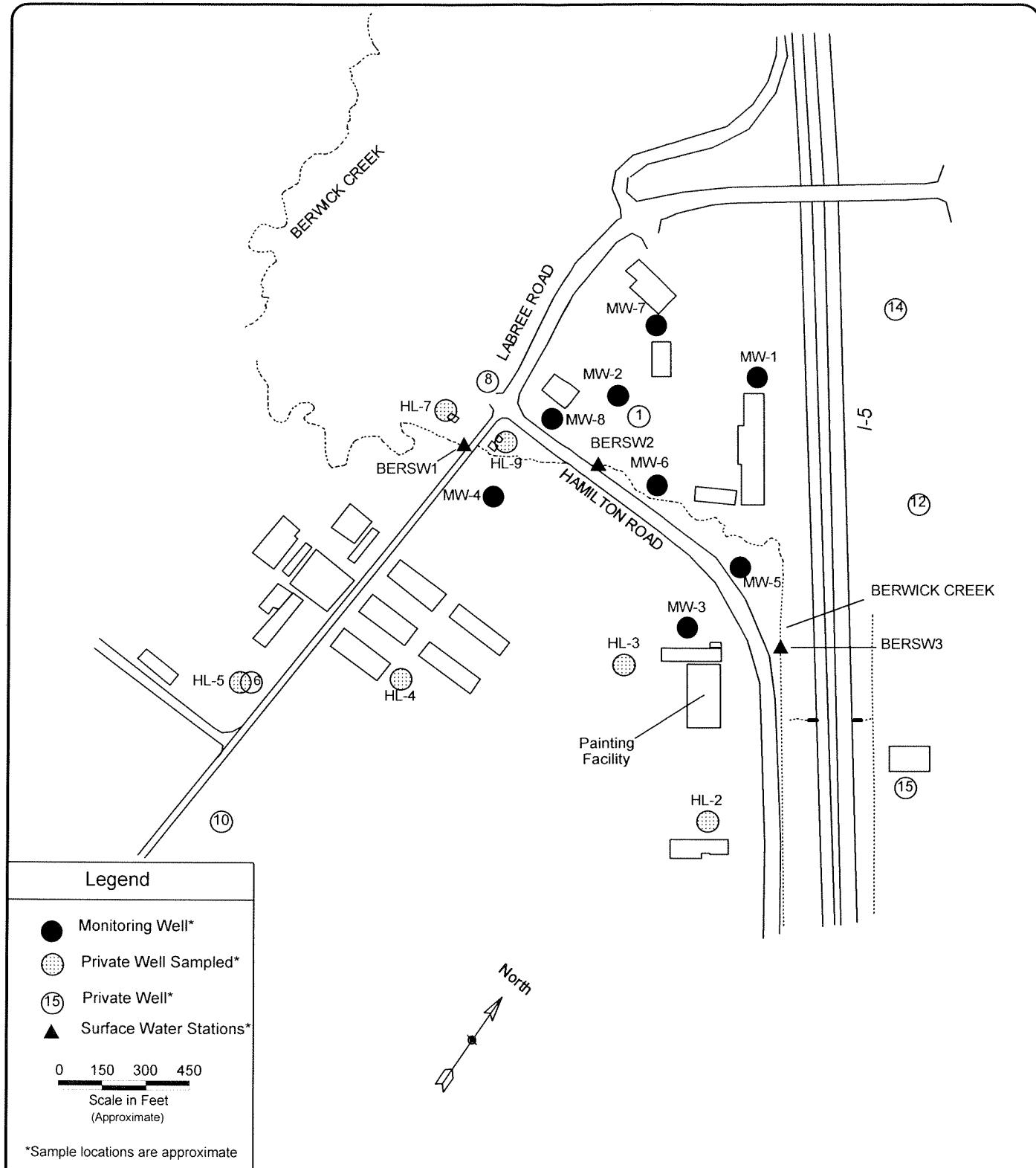


Figure 2

**Hamilton/Labree Roads PCE Site
Sample Locations**

Base Map Provided By SAIC

PCE concentrations in all of the six private wells also exceeded the EPA Maximum Contaminant Level (MCL) of 5 µg/L for PCE in drinking water for adults. Of the six private wells, two wells are no longer in use (HL-2, HL-7), two wells are used for agriculture (HL-4, HL-5), one well is used for industrial purposes (HL-3), and one well is still used as a domestic water supply (HL-9). A wellhead treatment system was installed and began operating at this well in the summer of 1998.

- PCE and 1,2-cis-dichloroethene (1,2-cis-DCE) were detected in Berwick Creek at three locations with concentrations ranging from 8.5 to 16 µg/L and from 1.2 to 4 µg/L, respectively. Concentrations for both compounds decreased slightly from the upstream station to the downstream station.
- No PCE, or any PCE degradation compounds, were detected in any of the shallow soil samples.

Water quality results over the monitoring period confirm that the surficial aquifer throughout the project area is contaminated with PCE. Results from this monitoring correspond to the findings of previous investigations conducted by Science Applications International Corp. (SAIC) and Transglobal Environmental Geosciences (TEG) from 1996 to the spring of 1998 (SAIC, 1997 and Ecology, 1999). The highest PCE concentrations consistently occur in wells HL-9, MW-8 and MW-3. Based on the elevated PCE concentrations in these three wells, it does appear likely that there are two distinct areas of contamination, one in the vicinity of the Hamilton/Labree Roads intersection and the other in the area of the painting facility. A comparison of the reported dissolved concentrations of PCE in these wells to the water solubility of PCE suggests that a dense non-aqueous phase liquid (DNAPL) may be present in the aquifer in these areas.

Background

Project history and a site description are described in detail in the SAIC reports *Data Presentation for Hamilton/Labree Roads Perchloroethylene (PCE) in Groundwater* (SAIC 1997). The following is a summary of that information.

Perchloroethylene (PCE) contamination of six shallow drinking water wells was discovered in 1993 by the Department of Health (DOH) three miles southwest of Chehalis, Washington in the vicinity of the Hamilton/Labree Roads intersection (Figure 1). PCE levels in groundwater ranged from 3 µg/L to 2,165 µg/L. The EPA Maximum Contaminant Level (MCL) for PCE in drinking water for adults is 5 µg/L.

In 1996, Ecology conducted an initial investigation to determine a cause of the contamination. The investigation centered on property northeast of the Hamilton/Labree intersection. It had been reported from a confidential source that drums of solvent may have been buried on the property. In October 1996 Ecology contracted a geophysical investigation of the property.

Electromagnetic and ground penetrating radar techniques did not show clear evidence of buried, intact drums (Geo-Recon International, 1996).

SAIC was contracted in late 1996 to locate the source of the contamination. Eight monitoring wells were installed during Phase I and II of the investigation. PCE was detected in six of the eight wells at concentrations ranging from 3 µg/L to 1,500 µg/L. Although SAIC could not identify the source, based on the ground water data, they concluded there could be more than one source area.

TEG was contracted in March 1998 to conduct a site investigation to assist in identifying the probable source area(s) of the groundwater contamination. Shallow and deep groundwater samples were collected from temporary borings and analyzed in an on-site mobile laboratory. The highest PCE concentrations were detected from shallow borings east of the industrial painting facility, between Hamilton Road and Berwick Creek (Figure 2). The maximum PCE concentration in groundwater in this area was 60,000 ppb, approximately 200 feet from the facility building. PCE was also detected on the property of the painting facility ranging in concentration from six ppb to 20,000 ppb. Elevated concentrations of 1,2-cis-DCE and vinyl chloride were detected northeast of the intersection of Hamilton/Labree Roads. The limited presence of only PCE degradation compounds in this area suggests the possibility of a small historic PCE release.

The known contaminated drinking water wells are located in a shallow aquifer, approximately 40 to 60 feet below ground surface (bgs). The project area, as determined by drilling logs, is underlain by about 30 to 35 feet of poorly sorted gravel, with varying amounts of fine-to-medium sand in a matrix of silt, a trace of clay and occasional cobbles. Interbedded within the gravel unit are several discontinuous silt lenses ranging in thickness from one to seven feet. The unit in which the affected wells are screened, from 30 to 45 feet, is poorly sorted fine-to-medium sand with silt, little to some fine-to-medium gravel and a trace cobbles. At the base of this sand unit, a bluish-gray clayey silt aquitard is found below 45 feet. Elevations of the upper surface of the aquitard layer suggest that the unit is dipping in a west-northwest direction with about three feet of relief across the site. A higher area appears to be located in the vicinity of monitoring well MW-2. PCE contamination has not been detected in any residential wells completed in a deeper aquifer, approximately 150 to 200 feet bgs. The surficial aquifer has an average estimated thickness of about 44 feet with an average gradient of 0.0032. A typical hydraulic conductivity for a poorly sorted sand would range from 1×10^{-3} to 1×10^{-2} cm/sec (Freeze&Cherry 1979). The ground water flow direction in the shallow aquifer has consistently been measured to the west-northwest (SAIC 1997).

Results

Over the monitoring period groundwater samples were collected quarterly from October 1997 to July 1998. Samples were collected from eight monitoring wells (MW-1 though MW-8) and six private wells (HL-2, HL-3, HL-4, HL-5, HL-7 and HL-9). In addition to the groundwater samples, surface water samples were collected from Berwick Creek in April and July 1998. Berwick Creek runs through the center of the project area (Figure 2). In January 1998, six soil samples and one sample of the contents of a septic tank were collected from the property with the highest PCE contaminated drinking water. Sampling procedures are discussed in Appendix A.

Field Observations

Table 1 lists the range of field observations for each sample location for the monitoring period, including well depth, static water level, pH, specific conductance, temperature, and purged water volume, prior to sampling.

Table 1. Summary of Field Parameters Results for October 1997 to July 1998

	pH (std.units)	Specific Conductance (umhos/cm)	Temperature (°C)	Total Depth (feet)	Depth to Water (feet)	Purge Volume (gal)
MW-1	6.5-6.7	200-221	9.9-12.5	47	1.66-4.92	13-17
MW-2	6.3-6.4	182-214	10.4-12.3	47	4.3-7.46	12-18
MW-3	6.3-6.9	176-189	10.3-12.7	46	5.05-9.13	8-15
MW-4	6.5-7.0	167-182	9.7-11.9	46	3.23-6.7	8-11
MW-5	6.4-6.5	183-201	9.9-11.3	49	6.29-10.1	10-20
MW-6	6.4-6.6	185-202	9.4-10.4	49	4.77-8.48	10-15
MW-7	6.5-6.8	238-262	11.2-13.6	45	2.02-5.05	10-17
MW-8	6.6-6.6	172-192	10.7-13.1	46	2.54-4.40	11-13
HL-2	6.7-6.9	243-293	10.6-12.5	65	--	70-100
HL-3	6.4-6.9	169-180	9.4-13.4	60	--	20-50
HL-4	6.5-6.9	213-231	8.3-11.8	--	--	40-180
HL-5	6.4-7.1	230-309	9.5-11.9	--	--	13-80
HL-7	6.4-6.8	159-178	8.9-11.6	--	--	50-170
HL-9	6.3-7.2	78-178	8.3-12.5	--	--	10-120

All field parameters were within expected ranges. In October, MW-6's well cap had popped off as the protective casing flooded. It was apparent that surface water had drained into the well. Because of the potential influence of surface runoff, data from this well should be used with caution.

Water samples were collected from Berwick Creek in April and July 1998. In April, field parameters from station BERSW1 were: a pH of 6.94, specific conductance of 71, and a temperature of 12.6 °C. In July, samples were collected from three locations (Figure 2). Field parameters ranged from: 6.68-6.91 for pH, 84-87 for specific conductance and 17.5 to 19.0 °C for temperature.

Analytical Results

All samples were analyzed for volatile organic analysis (VOAs) using EPA SW846 Method 8260 (modified). Ecology's analytical results from October 1997 to July 1998 are summarized in Table 2. For comparison, results collected by DOH and SAIC from the fall of 1993 to May 1997 have also been included. Discussion of quality assurance along with the laboratory reporting sheets for Ecology's results is presented in Appendix B.

Table 2. Hamilton/Labree Roads PCE Site, PCE Results ($\mu\text{g}/\text{L}$)

	Average Concent.	<i>Ecology</i>			<i>SAIC</i> May 1997	<i>DOH</i>		
		July 1998	April 1998	January 1998		June 1996	March 1994	Fall 1993
<i>MW-1</i>	0.75 J	1 U	0.87 J	0.66 J	1 U	3 U	--	--
<i>MW-2</i>	228	142	229	285	257	300	--	--
<i>MW-3</i>	1153	1170	1350	811	1280	640	--	--
<i>MW-4</i>	327	264	396	344	304	250	--	--
<i>MW-5</i>	4.5	3.5	7	4.2	3.1	3	--	--
<i>MW-6</i>	171	119	170	200	196	170	--	--
<i>MW-7</i>	1.1	0.76 J	1.8	1.2	0.74 J	3 U	--	--
<i>MW-8</i>	1850	--	2000	1850	1700	1500	--	--
<i>HL-2</i>	96	62	87	140	--	130	130	--
<i>HL-3</i>	364	349	381	380	347	270	284	--
<i>HL-4</i>	200	151	242	188	219	210	204	--
<i>HL-5</i>	9	7.9	11	7.6	7.7	7	5.8	--
<i>HL-7</i>	656	540	762	708	613	570	--	572
<i>HL-9</i>	3215	2690	*	*	3740	2700	3009	2165

(Model Toxic Control Act Method A Cleanup Standard for PCE in groundwater is 5 $\mu\text{g}/\text{L}$)

U = The analyte was not detected at or above the reported value.

J = The analyte was positively identified. The associated numerical result is an estimate.

-- = Not tested.

* = Sample result is rejected because it is known not to be representative of site conditions.

See explanation in text.

Average PCE concentrations from October 1997 to July 1998 for all of the wells are listed in Table 2. Average PCE concentrations in the eight monitoring wells ranged from an estimated concentration of 0.75 µg/L (MW-1) to 1,850 µg/L (MW-8). Data from well MW-6 should be used with caution because of the potential influence of surface runoff that has entered the well.

Average PCE concentrations for the same time period in the private wells ranged from 9 µg/L (HL-5) to 3,215 µg/L (HL-9). Sample results for HL-9 from January and April 1998 have been rejected because they are known not to be representative of site conditions. During this time the residence was provided with an alternate water supply, which diluted water coming from the contaminated well. Once the well was back in use, PCE concentrations returned to historic levels from samples collected prior to an installed wellhead treatment system.

Throughout the monitoring period trichloroethene (TCE) and 1,2-cis-dichloroethene (1,2-cis-DCE) were detected near or below the detection limit of 1 ug/L in wells MW-3, MW-4, MW-8, HL-2, HL-3, HL-4, and HL-7. Higher concentrations of TCE and 1,2-cis-DCE were detected in well HL-9 at average concentrations of 12 µg/L and 8 µg/L, respectively. In July, vinyl chloride was also detected in HL-9 at an estimated concentration of 0.47 µg/L.

Water samples were also collected from Berwick Creek in April and July 1998. The results are summarized in Table 3. Sample results are listed from the upstream station (BERSW3) to the downstream station (BERSW1) (Figure 2).

Table 3. Hamilton/Labree Roads PCE Site, Berwick Creek Results (µg/L)

	July 1998			April 1998		
	PCE	TCE	1,2-cis-DCE	PCE	TCE	1,2-cis-DCE
BERSW3	15	1 U	4	--	--	--
BERSW2	9.8	1 U	2.7	--	--	--
BERSW1	8.5	1 U	2.3	16	0.98 J	1.2

U = The analyte was not detected at or above the reported value.

J = The analyte was positively identified. The associated numerical result is an estimate.

-- = Not tested.

Soil samples were also collected from the property with the highest PCE contaminated water supply. Four shallow soil samples were collected from around the septic system, and two samples were collected in the back of the property where it was reported a junkyard had been located. Acetone was the only volatile organic that was detected in any of the samples. The presence of acetone is most likely the result of decontamination of the sample equipment in the field. A sample was also collected from the contents of the septic tank. Elevated concentrations of several volatile organics were detected in this sample as shown in Table 4.

Table 4. Hamilton/Labree Roads PCE Site, Septic Tank Results (µg/L)

	PCE	TCE	1,2-cis-DCE	1,2-trans-DCE	Vinyl Chloride	Toluene
Tank Sample	481	350	591	3.5 J	15	10

J = The analyte was positively identified. The associated numerical result is an estimate.

Discussion and Conclusions

Over the monitoring period PCE was detected in all eight monitoring wells. A summary of the average PCE concentration for all of the monitoring wells is listed in Table 5.

Table 5. Average PCE Concentrations (µg/L) in the Monitoring Wells from October 1997 to July 1998

	Exceeds MTCA Method A Standard of 5 µg/L							
	MW-1	MW-7	MW-5	MW-6	MW-2	MW-4	MW-3	MW-8
Average PCE (µg/L) Concentration	0.75 J	1.1	4.5	171	228	327	1153	1850

PCE concentrations in five of the monitoring wells consistently exceeded the Model Toxic Control Act (MTCA) Method A cleanup standard for PCE in groundwater of 5 µg/L, as shown in Table 5. Average PCE concentrations for these wells ranged from 171 µg/L (MW-6) to 1,850 µg/L (MW-8), with the majority of the PCE concentrations between 100 µg/L and 400 µg/L. The highest PCE concentrations consistently occurred in wells MW-3 and MW-8, with average concentrations of 1,153 µg/L and 1,850 µg/L, respectively. PCE detected in wells MW-1, MW-5 and MW-7, were at concentrations near or below the method detection limit. In April 1998 the cleanup standard was slightly exceeded in MW-5.

PCE was also detected in all six private wells, with average concentrations ranging from 9 µg/L (HL-5) to 3,215 µg/L (HL-9) as shown in Table 6.

Table 6. Average PCE Concentrations (µg/L) in the Private Wells from October 1997 to July 1998

	HL-5	HL-2	HL-4	HL-3	HL-7	HL-9
Average PCE (µg/L) Concentration	9	96	200	364	656	3215

Maximum Contaminant Level (MCL) for PCE in drinking water for adults is 5 µg/L.

Well HL-9 consistently has the highest PCE concentration of all the sampled wells, with a maximum concentration of 3,740 µg/L in October 1997. PCE concentrations in all of the six private wells also exceeded the EPA Maximum Contaminant Level (MCL) of 5 µg/L for PCE in drinking water for adults. Of the six private wells, two wells are no longer in use (HL-2, HL-7), two wells are used for agriculture (HL-4, HL-5), one well is used for industrial purposes (HL-3),

and one well is still used as a domestic water supply (HL-9). A wellhead treatment system was installed and began operating at this well in the summer of 1998.

Surface water samples were collected from Berwick Creek twice over the monitoring period. Sample stations are shown in Figure 2. BERSW3, the upstream station was located east of the painting facility and BERSW1, the farthest downstream station was located at the Labree Road bridge. PCE and 1,2-cis-DCE were detected at all three stations with concentrations ranging from 8.5 µg/L to 16 µg/L and from 1.2 µg/L to 4 µg/L, respectively. Concentrations for both compounds decreased slightly from the upstream station to the downstream station.

Water quality results over the monitoring period confirm that the surficial aquifer throughout the project area is contaminated with PCE. Results from this monitoring correspond to the findings of previous investigations conducted by SAIC and TEG from 1996 to the spring of 1998 (SAIC, 1997 and Ecology, 1999). The highest PCE concentrations consistently occur in wells HL-9, MW-8, and MW-3. Well MW-3 is about 700 feet from MW-8 and HL-9 and is considered to be hydraulically upgradient. Figures 3 and 4 show PCE concentration contours in groundwater for October 1997 and July 1998, the first and last sample events of the monitoring period. The elevated PCE concentrations in wells HL-9, MW-8 and MW-3, along with Figures 3 and 4, indicate that there are two distinct areas of contamination, one in the vicinity of the Hamilton/Labree Roads intersection and the other in the area of the industrial painting facility.

Dissolved contaminant concentrations greater than one percent of the contaminant aqueous solubility limit suggest the presence of the dense non-aqueous (DNAPL) phase of that contaminant in the vicinity of the sampled well (U.S. EPA 1992). In this case, the aqueous solubility of PCE is 150 mg/L (150,000 µg/L). If PCE concentrations in groundwater are greater than 1,500 µg/L, as in wells HL-9 and MW-8, there is the possibility that a DNAPL phase is present in this area of the aquifer. Although PCE concentrations in MW-3 are slightly less than one percent of the solubility limit (0.8%), it does not necessarily indicate the absence of a DNAPL phase (U.S. EPA 1992). PCE concentrations detected in groundwater collected from shallow borings directly east of the painting facility during the TEG investigation ranged from 5,000 ppb to 60,000 ppb. The TEG results indicate that a DNAPL phase is present in this area.

No PCE, or any PCE degradation compounds, were detected in any of the shallow soil samples that were collected from the property with the highest PCE contaminated drinking water. Elevated concentrations of PCE and its associated degradation compounds were detected in the contents of the septic tank located on this property. The presence of contamination in the tank was not unexpected due to the fact that well HL-9 had been in use without a treatment system for some time prior to the sampling and discharges to the septic system.

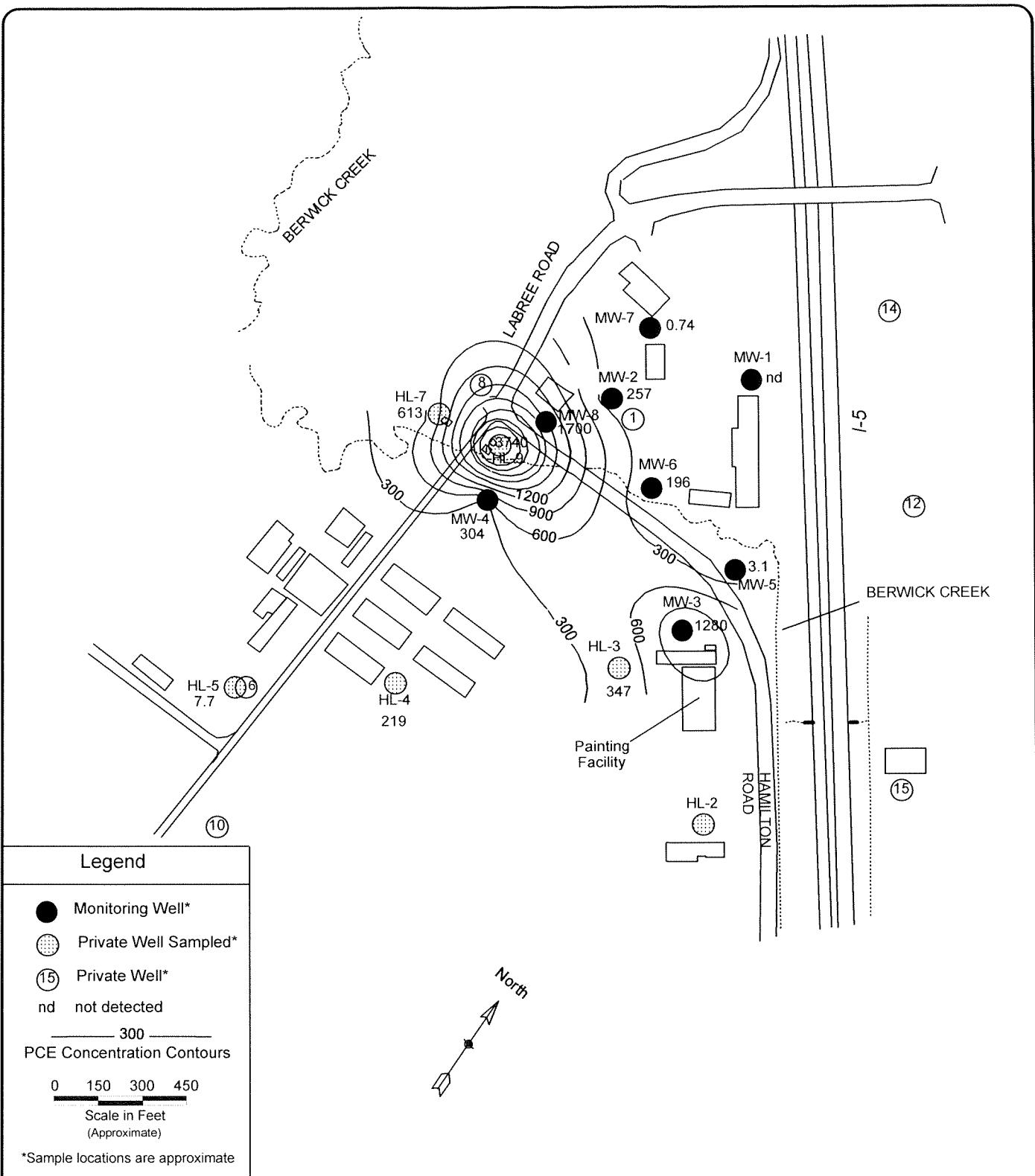


Figure 3

Hamilton/Labree Roads PCE Site
PCE (ug/L) in Groundwater - October 1997

Base Map Provided By SAIC

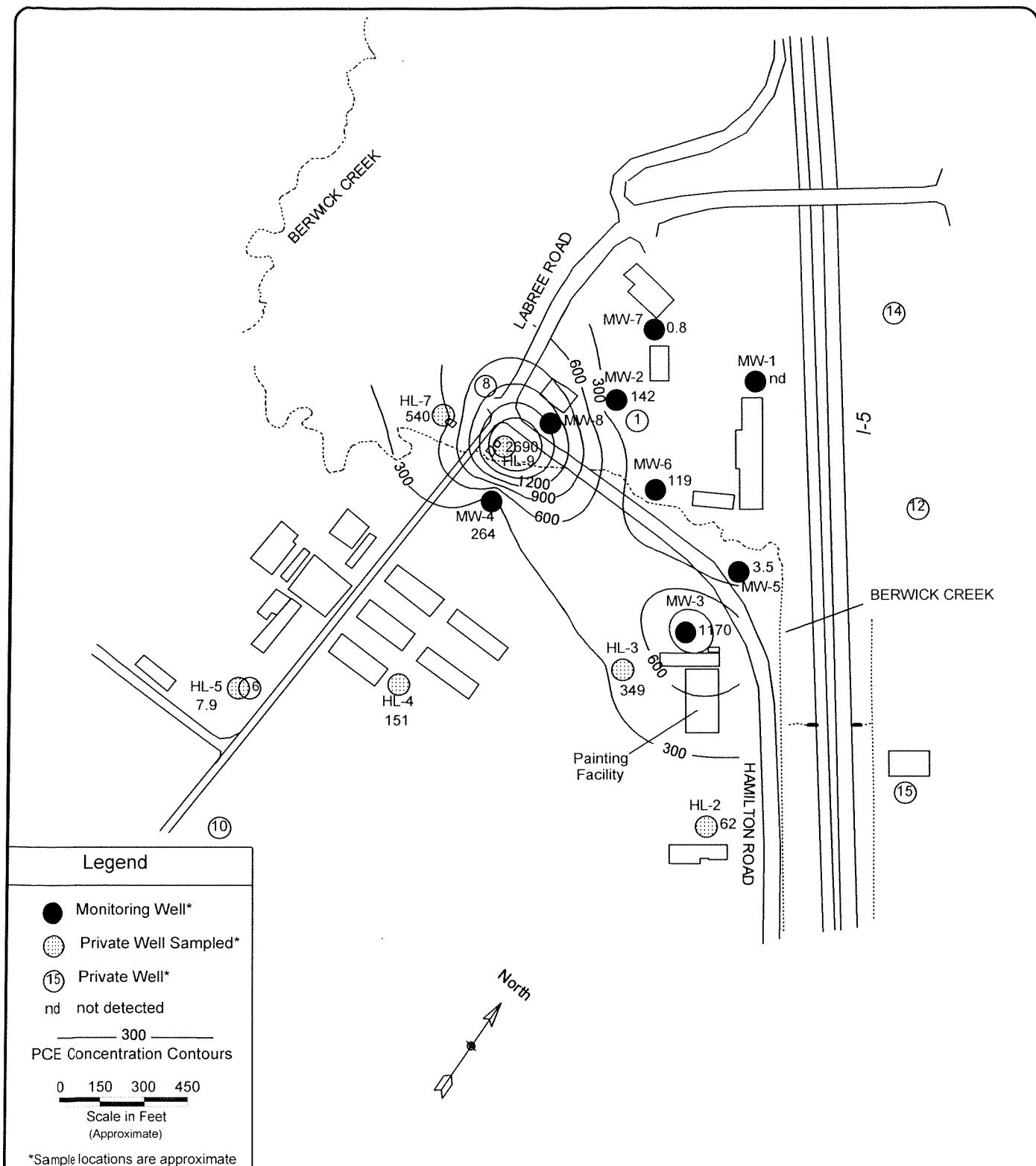


Figure 4

Base Map Provided By SAIC

Hamilton/Labree Roads PCE Site
PCE (ug/L) in Groundwater - July 1998

References

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Appendix A

METHODS

Groundwater samples were collected quarterly from October 1997 to July 1998. Samples were collected from eight monitoring wells (MW-1 though MW-8) and six private wells (HL-2, HL-3, HL-4, HL-5, HL-7 and HL-9). In addition to the groundwater samples, surface water samples were collected from Berwick Creek in April and July 1998. In January 1998, six soil samples and a sample of the contents of the septic tank were collected from the property with the highest PCE contaminated drinking water. All samples were analyzed for volatile organic analysis (VOAs).

Groundwater Sampling

Prior to sample collection, static water level measurements were recorded in each monitoring well to 0.01 feet using an electronic water level probe. The probe was rinsed with deionized water after each use. All monitoring wells were purged and sampled using a stainless steel submersible pump with a pump rate of about 0.5-gpm. Samples were collected when pH, specific conductance and temperature readings stabilized (changes of 10% or less of the mean value of three consecutive measurements). The pump was decontaminated between wells by circulating laboratory grade detergent/water through the pump for 5-minutes, followed by a clean water rinse. Purge water from the monitoring wells that exceeded the MTCA Method A cleanup level of 5 µg/L for PCE was collected in 55-gallon barrels and stored at the project site. This waste has been transported and disposed in accordance with State of Washington regulations (Chapter 173-340-400 WAC). Purge water from the remaining wells was discharged to the ground near each well. Samples for VOAs were collected free of headspace and preserved with 1:1 hydrochloric acid.

The six residential wells were purged and sampled using existing pumps. Purge water was discharged onto the ground near each well. Samples were collected after field parameters had stabilized, from the tap nearest the wellhead prior to any water treatment systems. Samples for VOAs were collected free of headspace and preserved with 1:1 hydrochloric acid.

Surface Water Sampling

Surface water samples were collected from three stations along Berwick Creek within the project area. Samples were collected from downstream to upstream to avoid disturbance and possible cross-contamination. The samples were collected directly into the sample bottles at mid-stream where it was assumed the surface water was fully mixed. Temperature, pH, and specific conductance were measured at the time each sample was collected.

Soil Sampling

Six shallow soil samples were collected from the property with the highest PCE contaminated drinking water and one sample was collected from the septic tank. The soil samples were collected from 1-3 feet and 4-6 feet below the ground surface (bgs).

Soil samples were collected using the JMC portable soil sampler. A hollow, 3-foot-long, one-inch diameter sampling tube fitted with a stainless steel liner was driven through the soil column. The sampling tube was pulled from the hole and the liner removed from the sampler. The soil was emptied into a clean stainless steel bucket and homogenized with a clean stainless steel spoon. The homogenized sample was then collected in a 2-ounce glass jar with teflon lined septa lid. To collect the samples from 4-6 feet bgs, a new liner was inserted into the sampling tube and driven down the same hole to the desired depth. All test holes were plugged using hydrated bentonite.

A sample of the septic tank sludge was collected from the bottom of the tank using a “sludge judge”. The sample was collected in three 40-mL glass vials with teflon lined septa lids.

Chain-of-custody procedures were followed in accordance with Manchester Laboratory protocol (Ecology, 1994). The Ecology/EPA Laboratory in Manchester analyzed all samples.

Appendix B

Quality Assurance

In general, the quality of the data is acceptable for use for all sample rounds. Quality control samples collected in the field consisted of blind duplicate samples. Duplicate samples were collected from MW-3 (MW-3A) over the monitoring period. Duplicate samples provide an estimate of combined sampling and laboratory precision. The numeric comparison of duplicate results is expressed as the relative percent difference or RPD. RPDs are the ratio of the difference and the mean of the duplicate results expressed as a percentage. The RPDs for PCE in January and April 1998 were within 5%, in October 1997 within 8% and in July 1998 within 12%.

In addition to field quality control samples, surrogate compound recoveries, matrix spikes, and matrix spike duplicates were performed in the laboratory. Low levels of common laboratory solvents were detected in some of the laboratory blanks. However, these analytes were not detected in the field samples. Overall, surrogate recoveries were within acceptable limits of 50-150% for water samples. Matrix spike and spike duplicate recoveries were within acceptable limits of +/-25%.

Manchester Environmental Laboratory

7411 Beach Drive E, Port Orchard Washington 98366

CASE NARRATIVE

November 18, 1997

Subject: Hamilton/Labree Roads
Samples: 97418105 through 97418118
Project ID: 158997
Project Officer: Pam Marti
By: Karin Feddersen *KF*

VOLATILE ORGANIC ANALYSIS

SUMMARY:

High concentrations (exceeding the calibration range) of Tetrachloroethene were detected in samples 97418108 through 97418113, 97418115, 97418116 and 97418117. Use the Tetrachloroethene values from the dilution analyses of these samples. Use the undiluted values for all other analytes.

The data is usable as reported.

ANALYTICAL METHODS:

Volatile organic compounds were analyzed using the Manchester modification of the EPA Method 8260 purge-trap procedure with capillary GC/MS analysis. Routine QA/QC procedures were performed.

BLANKS:

Low levels of certain target compounds were detected in the laboratory blanks. If the on-column concentrations of the compounds in a sample are at least five times greater than the on-column concentrations of the same compounds detected in the associated method blank, they are considered native to the sample.

Methylene Chloride and Acetone are commonly used laboratory solvents. These compounds are considered native to the sample if their concentration is at least ten times greater than the amount detected in the associated blank.

SURROGATES:

Surrogate recoveries were within acceptable limits for the samples.

HOLDING TIMES:

The samples were analyzed within the recommended 14 day holding time.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE:

Matrix spike recoveries were within acceptable limits for all analytes.

DATA QUALIFIER CODES:

- U - The analyte was not detected at or above the reported value.
- J - The analyte was positively identified. The associated numerical value is an estimate.
- UJ - The analyte was not detected at or above the reported estimated result.
- REJ - The data are unusable for all purposes.
- NAF - Not analyzed for.
- N - There is evidence the analyte is present in the sample.
- NJ - There is evidence that the analyte is present. The associated numerical result is an estimate.
- E - This qualifier is used when the concentration of the associated value exceeds the known calibration range. The associated numerical result is an estimate.
- bold** - The analyte was present in the sample. (Visual Aid to locate detected compounds on report sheet.)

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418105

Date Received: 10/13/97

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/14/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	1	U
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	1	U	Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418105

Date Received: 10/13/97

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/14/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	101	%
Toluene-D8	101	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	102	%

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418106

Date Received: 10/13/97

Method: SW8260

Field ID: MW-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/14/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	.74	J
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	J
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	1	U	Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418106

Date Received: 10/13/97

Method: SW8260

Field ID: MW-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/14/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	102	%
Toluene-D8	101	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	101	%

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418107

Field ID: MW-5

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Date Analyzed: 10/14/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	3.1	
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	1	U	Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418107

Field ID: MW-5

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Date Analyzed: 10/14/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	108	%
1,4-Difluorobenzene	103	%
Toluene-D8	101	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	102	%

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418108

Date Received: 10/13/97

Method: SW8260

Field ID: HL-9

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	1860	E
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	8		Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	12		Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

Authorized By: Jen Leddy

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589- 97

Sample: 97418108

Date Received: 10/13/97

Method: SW8260

Field ID: HL-9

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	103	%
Toluene-D8	96	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	98	%

Authorized By:

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418108 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: HL-9

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	200	U	Chloroacetonitrile	500	U
Chloromethane	100	U	Cis-1,3-Dichloropropene	106	U
Vinyl Chloride	100	U	4-Methyl-2-Pentanone	200	U
Bromomethane	100	U	1,1-Dichloropropanone	100	U
Chloroethane	100	U	Toluene	100	U
Trichlorofluoromethane	100	U	Trans-1,3-Dichloropropene	94	U
Ethyl Ether	100	U	Ethylmethacrylate	100	U
1,1,2 Trichlorotrifluoroethane	100	U	1,1,2-Trichloroethane	100	U
1,1-Dichloroethene	200	U	1,3-Dichloropropane	100	U
Acetone	400	U	2-Hexanone	200	U
Methyl Iodide	100	U	Tetrachloroethene	3740	
Carbon Disulfide	200	U	Dibromochloromethane	100	U
Allyl Chloride	100	U	1,2-Dibromoethane (EDB)	100	U
Methylene Chloride	100	U	Chlorobenzene	100	U
Acrylonitrile	500	U	1,1,1,2-Tetrachloroethane	100	U
2-Methoxy-2-Methylpropane	100	U	Ethylbenzene	100	U
Trans-1,2-Dichloroethene	100	U	m & p-Xylene	200	U
1,1-Dichloroethane	100	U	o-Xylene	100	U
2-Butanone	200	U	Styrene	100	U
Cis-1,2-Dichloroethene	100	U	Bromoform	100	U
2,2-Dichloropropane	100	U	Isopropylbenzene (Cumene)	100	U
Methyl acrylate	100	U	1,1,2,2-Tetrachloroethane	100	U
Methacrylonitrile	100	U	Trans-1,4-Dichloro-2-butene	200	U
Bromochloromethane	100	U	1,2,3-Trichloropropane	100	U
Chloroform	100	U	Bromobenzene	100	U
Tetrahydrofuran	500	U	n-Propylbenzene	100	U
1,1,1-Trichloroethane	100	U	2-Chlorotoluene	100	U
1-Chlorobutane	100	U	1,3,5-Trimethylbenzene	100	U
1,1-Dichloropropene	100	U	4-Chlorotoluene	100	U
Carbon Tetrachloride	100	U	Tert-Butylbenzene	100	U
1,2-Dichloroethane	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	Pentachloroethane	100	U
Trichloroethene	100	U	Sec-Butylbenzene	100	U
1,2-Dichloropropane	100	U	p-Isopropyltoluene	100	U
Methyl Methacrylate	100	U	1,3-Dichlorobenzene	100	U
Dibromomethane	100	U	1,4-Dichlorobenzene	100	U
Bromodichloromethane	100	U	n-Butylbenzene	100	U
2-Nitropropane	100	U	1,2-Dichlorobenzene	100	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418108 (Dilution - DIL1)

Field ID: HL-9

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	100	U
1,2-Dibromo-3-Chloropropane	500	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Analyte	Result	Qualifier
Hexachloroethane	100	U
1,2-Dibromo-3-Chloropropane	500	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	108	%
Toluene-D8	97	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418109

Date Received: 10/13/97

Method: SW8260

Field ID: MW-6

Project Officer: Pam Marti

¹⁴
Date Analyzed: 10/20/97

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorodifluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	264	E
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	1	U	Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418109

Date Received: 10/13/97

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	103	%
Toluene-D8	100	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	101	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418109 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	100	U	Chloroacetonitrile	250	U
Chloromethane	50	U	Cis-1,3-Dichloropropene	53	U
Vinyl Chloride	50	U	4-Methyl-2-Pentanone	100	U
Bromomethane	50	U	1,1-Dichloropropanone	50	U
Chloroethane	50	U	Toluene	50	U
Trichlorofluoromethane	50	U	Trans-1,3-Dichloropropene	47	U
Ethyl Ether	50	U	Ethylmethacrylate	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,1,2-Trichloroethane	50	U
1,1-Dichloroethene	100	U	1,3-Dichloropropane	50	U
Acetone	200	U	2-Hexanone	100	U
Methyl Iodide	50	U	Tetrachloroethene	196	
Carbon Disulfide	100	U	Dibromochloromethane	50	U
Allyl Chloride	50	U	1,2-Dibromoethane (EDB)	50	U
Methylene Chloride	50	U	Chlorobenzene	50	U
Acrylonitrile	250	U	1,1,1,2-Tetrachloroethane	50	U
2-Methoxy-2-Methylpropane	50	U	Ethylbenzene	50	U
Trans-1,2-Dichloroethene	50	U	m & p-Xylene	100	U
1,1-Dichloroethane	50	U	o-Xylene	50	U
2-Butanone	100	U	Styrene	50	U
Cis-1,2-Dichloroethene	50	U	Bromoform	50	U
2,2-Dichloropropane	50	U	Isopropylbenzene (Cumene)	50	U
Methyl acrylate	50	U	1,1,2,2-Tetrachloroethane	50	U
Methacrylonitrile	50	U	Trans-1,4-Dichloro-2-butene	100	U
Bromochloromethane	50	U	1,2,3-Trichloropropane	50	U
Chloroform	50	U	Bromobenzene	50	U
Tetrahydrofuran	250	U	n-Propylbenzene	50	U
1,1,1-Trichloroethane	50	U	2-Chlorotoluene	50	U
1-Chlorobutane	50	U	1,3,5-Trimethylbenzene	50	U
1,1-Dichloropropene	50	U	4-Chlorotoluene	50	U
Carbon Tetrachloride	50	U	Tert-Butylbenzene	50	U
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	50	U
Benzene	50	U	Pentachloroethane	50	U
Trichloroethene	50	U	Sec-Butylbenzene	50	U
1,2-Dichloropropane	50	U	p-Isopropyltoluene	50	U
Methyl Methacrylate	50	U	1,3-Dichlorobenzene	50	U
Dibromomethane	50	U	1,4-Dichlorobenzene	50	U
Bromodichloromethane	50	U	n-Butylbenzene	50	U
2-Nitropropane	50	U	1,2-Dichlorobenzene	50	U

Authorized By: 

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418109 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte Result Qualifier

Hexachloroethane	50	U
1,2-Dibromo-3-Chloropropane	250	U
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	108	%
Toluene-D8	98	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	101	%

Authorized By:

Release Date:

11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418110

Date Received: 10/13/97

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	348	E
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	1	U	Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418110

Date Received: 10/13/97

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	102	%
Toluene-D8	99	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	102	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418110 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	100	U	Chloroacetonitrile	250	U
Chloromethane	50	U	Cis-1,3-Dichloropropene	53	U
Vinyl Chloride	50	U	4-Methyl-2-Pentanone	100	U
Bromomethane	50	U	1,1-Dichloropropanone	50	U
Chloroethane	50	U	Toluene	50	U
Trichlorofluoromethane	50	U	Trans-1,3-Dichloropropene	47	U
Ethyl Ether	50	U	Ethylmethacrylate	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,1,2-Trichloroethane	50	U
1,1-Dichloroethene	100	U	1,3-Dichloropropane	50	U
Acetone	200	U	2-Hexanone	100	U
Methyl Iodide	50	U	Tetrachloroethene	257	
Carbon Disulfide	100	U	Dibromochloromethane	50	U
Allyl Chloride	50	U	1,2-Dibromoethane (EDB)	50	U
Methylene Chloride	50	U	Chlorobenzene	50	U
Acrylonitrile	250	U	1,1,1,2-Tetrachloroethane	50	U
2-Methyoxy-2-Methylpropane	50	U	Ethylbenzene	50	U
Trans-1,2-Dichloroethene	50	U	m & p-Xylene	100	U
1,1-Dichloroethane	50	U	o-Xylene	50	U
2-Butanone	100	U	Styrene	50	U
Cis-1,2-Dichloroethene	50	U	Bromoform	50	U
2,2-Dichloropropane	50	U	Isopropylbenzene (Cumene)	50	U
Methyl acrylate	50	U	1,1,2,2-Tetrachloroethane	50	U
Methacrylonitrile	50	U	Trans-1,4-Dichloro-2-butene	100	U
Bromochloromethane	50	U	1,2,3-Trichloropropane	50	U
Chloroform	50	U	Bromobenzene	50	U
Tetrahydrofuran	250	U	n-Propylbenzene	50	U
1,1,1-Trichloroethane	50	U	2-Chlorotoluene	50	U
1-Chlorobutane	50	U	1,3,5-Trimethylbenzene	50	U
1,1-Dichloropropene	50	U	4-Chlorotoluene	50	U
Carbon Tetrachloride	50	U	Tert-Butylbenzene	50	U
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	50	U
Benzene	50	U	Pentachloroethane	50	U
Trichloroethene	50	U	Sec-Butylbenzene	50	U
1,2-Dichloropropane	50	U	p-Isopropyltoluene	50	U
Methyl Methacrylate	50	U	1,3-Dichlorobenzene	50	U
Dibromomethane	50	U	1,4-Dichlorobenzene	50	U
Bromodichloromethane	50	U	n-Butylbenzene	50	U
2-Nitropropane	50	U	1,2-Dichlorobenzene	50	U

Authorized By:

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418110 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte Result Qualifier

Hexachloroethane	50	U
1,2-Dibromo-3-Chloropropane	250	U
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	108	%
Toluene-D8	98	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	102	%

Authorized By:

Release Date:

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418111

Date Received: 10/13/97

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	1280	E
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	2.7		Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

Authorized By:

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418111

Date Received: 10/13/97

Field ID: MW-3

Method: SW8260

Project Officer: Pam Marti

Matrix: Water

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	108	%
1,4-Difluorobenzene	102	%
Toluene-D8	99	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	101	%

Authorized By:

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11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418111 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	200	U	Chloroacetonitrile	500	U
Chloromethane	100	U	Cis-1,3-Dichloropropene	106	U
Vinyl Chloride	100	U	4-Methyl-2-Pentanone	200	U
Bromomethane	100	U	1,1-Dichloropropanone	100	U
Chloroethane	100	U	Toluene	100	U
Trichlorofluoromethane	100	U	Trans-1,3-Dichloropropene	94	U
Ethyl Ether	100	U	Ethylmethacrylate	100	U
1,1,2 Trichlorotrifluoroethane	100	U	1,1,2-Trichloroethane	100	U
1,1-Dichloroethene	200	U	1,3-Dichloropropane	100	U
Acetone	400	U	2-Hexanone	200	U
Methyl Iodide	100	U	Tetrachloroethene	1280	
Carbon Disulfide	200	U	Dibromochloromethane	100	U
Allyl Chloride	100	U	1,2-Dibromoethane (EDB)	100	U
Methylene Chloride	100	U	Chlorobenzene	100	U
Acrylonitrile	500	U	1,1,1,2-Tetrachloroethane	100	U
2-Methoxy-2-Methylpropane	100	U	Ethylbenzene	100	U
Trans-1,2-Dichloroethene	100	U	m & p-Xylene	200	U
1,1-Dichloroethane	100	U	o-Xylene	100	U
2-Butanone	200	U	Styrene	100	U
Cis-1,2-Dichloroethene	100	U	Bromoform	100	U
2,2-Dichloropropane	100	U	Isopropylbenzene (Cumene)	100	U
Methyl acrylate	100	U	1,1,2,2-Tetrachloroethane	100	U
Methacrylonitrile	100	U	Trans-1,4-Dichloro-2-butene	200	U
Bromochloromethane	100	U	1,2,3-Trichloropropane	100	U
Chloroform	100	U	Bromobenzene	100	U
Tetrahydrofuran	500	U	n-Propylbenzene	100	U
1,1,1-Trichloroethane	100	U	2-Chlorotoluene	100	U
1-Chlorobutane	100	U	1,3,5-Trimethylbenzene	100	U
1,1-Dichloropropene	100	U	4-Chlorotoluene	100	U
Carbon Tetrachloride	100	U	Tert-Butylbenzene	100	U
1,2-Dichloroethane	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	Pentachloroethane	100	U
Trichloroethene	100	U	Sec-Butylbenzene	100	U
1,2-Dichloropropane	100	U	p-Isopropyltoluene	100	U
Methyl Methacrylate	100	U	1,3-Dichlorobenzene	100	U
Dibromomethane	100	U	1,4-Dichlorobenzene	100	U
Bromodichloromethane	100	U	n-Butylbenzene	100	U
2-Nitropropane	100	U	1,2-Dichlorobenzene	100	U

Authorized By:

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418111 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	100	U
1,2-Dibromo-3-Chloropropane	500	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Analyte	Result	Qualifier
Hexachloroethane	100	U
1,2-Dibromo-3-Chloropropane	500	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	107	%
Toluene-D8	98	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	103	%

Authorized By:

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418112

Field ID: MW-3A

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	4	U	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	1290	E
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	1	U	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methyoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	.18	J	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	2.7		Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

Authorized By:

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418112

Date Received: 10/13/97

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	106	%
1,4-Difluorobenzene	102	%
Toluene-D8	98	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	101	%

Authorized By:

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418112 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	200	U	Chloroacetonitrile	500	U
Chloromethane	100	U	Cis-1,3-Dichloropropene	106	U
Vinyl Chloride	100	U	4-Methyl-2-Pentanone	200	U
Bromomethane	100	U	1,1-Dichloropropanone	100	U
Chloroethane	100	U	Toluene	100	U
Trichlorofluoromethane	100	U	Trans-1,3-Dichloropropene	94	U
Ethyl Ether	100	U	Ethylmethacrylate	100	U
1,1,2 Trichlorotrifluoroethane	100	U	1,1,2-Trichloroethane	100	U
1,1-Dichloroethene	200	U	1,3-Dichloropropane	100	U
Acetone	400	U	2-Hexanone	200	U
Methyl Iodide	100	U	Tetrachloroethene	1180	
Carbon Disulfide	200	U	Dibromochloromethane	100	U
Allyl Chloride	100	U	1,2-Dibromoethane (EDB)	100	U
Methylene Chloride	100	U	Chlorobenzene	100	U
Acrylonitrile	500	U	1,1,1,2-Tetrachloroethane	100	U
2-Methoxy-2-Methylpropane	100	U	Ethylbenzene	100	U
Trans-1,2-Dichloroethene	100	U	m & p-Xylene	200	U
1,1-Dichloroethane	100	U	o-Xylene	100	U
2-Butanone	200	U	Styrene	100	U
Cis-1,2-Dichloroethene	100	U	Bromoform	100	U
2,2-Dichloropropane	100	U	Isopropylbenzene (Cumene)	100	U
Methyl acrylate	100	U	1,1,2,2-Tetrachloroethane	100	U
Methacrylonitrile	100	U	Trans-1,4-Dichloro-2-butene	200	U
Bromochloromethane	100	U	1,2,3-Trichloropropane	100	U
Chloroform	100	U	Bromobenzene	100	U
Tetrahydrofuran	500	U	n-Propylbenzene	100	U
1,1,1-Trichloroethane	100	U	2-Chlorotoluene	100	U
1-Chlorobutane	100	U	1,3,5-Trimethylbenzene	100	U
1,1-Dichloropropene	100	U	4-Chlorotoluene	100	U
Carbon Tetrachloride	100	U	Tert-Butylbenzene	100	U
1,2-Dichloroethane	100	U	1,2,4-Trimethylbenzene	100	U
Benzene	100	U	Pentachloroethane	100	U
Trichloroethene	100	U	Sec-Butylbenzene	100	U
1,2-Dichloropropane	100	U	p-Isopropyltoluene	100	U
Methyl Methacrylate	100	U	1,3-Dichlorobenzene	100	U
Dibromomethane	100	U	1,4-Dichlorobenzene	100	U
Bromodichloromethane	100	U	n-Butylbenzene	100	U
2-Nitropropane	100	U	1,2-Dichlorobenzene	100	U

Authorized By: K. Zell

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Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Roads	LIMS Project ID:	1589-97
Sample:	97418112 (Dilution - DIL1)	Date Received:	10/13/97
Field ID:	MW-3A	Method:	SW8260
Project Officer:	Pam Marti	Matrix:	Water
		Units:	ug/L
Date Analyzed:	10/20/97		

Analyte	Result	Qualifier
Hexachloroethane	100	U
1,2-Dibromo-3-Chloropropane	500	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	109	%
Toluene-D8	97	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Karen Zell

Release Date: 11/26/97

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589- 97

Sample: 97418113

Date Received: 10/13/97

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Chloroacetonitrile	25	U
Chloromethane	5	U	Cis-1,3-Dichloropropene	5.3	U
Vinyl Chloride	5	U	4-Methyl-2-Pentanone	10	U
Bromomethane	5	U	1,1-Dichloropropanone	5	U
Chloroethane	5	U	Toluene	5	U
Trichlorofluoromethane	5	U	Trans-1,3-Dichloropropene	4.7	U
Ethyl Ether	5	U	Ethylmethacrylate	5	U
1,1,2 Trichlorotrifluoroethane	5	U	1,1,2-Trichloroethane	5	U
1,1-Dichloroethene	10	U	1,3-Dichloropropane	5	U
Acetone	20	U	2-Hexanone	10	U
Methyl Iodide	5	U	Tetrachloroethene	347	E
Carbon Disulfide	10	U	Dibromochloromethane	5	U
Allyl Chloride	5	U	1,2-Dibromoethane (EDB)	5	U
Methylene Chloride	5	U	Chlorobenzene	5	U
Acrylonitrile	25	U	1,1,1,2-Tetrachloroethane	5	U
2-Methoxy-2-Methylpropane	5	U	Ethylbenzene	5	U
Trans-1,2-Dichloroethene	5	U	m & p-Xylene	10	U
1,1-Dichloroethane	5	U	o-Xylene	5	U
2-Butanone	10	U	Styrene	5	U
Cis-1,2-Dichloroethene	5	U	Bromoform	5	U
2,2-Dichloropropane	5	U	Isopropylbenzene (Cumene)	5	U
Methyl acrylate	5	U	1,1,2,2-Tetrachloroethane	5	U
Methacrylonitrile	5	U	Trans-1,4-Dichloro-2-butene	10	U
Bromochloromethane	5	U	1,2,3-Trichloropropane	5	U
Chloroform	5	U	Bromobenzene	5	U
Tetrahydrofuran	25	U	n-Propylbenzene	5	U
1,1,1-Trichloroethane	5	U	2-Chlorotoluene	5	U
1-Chlorobutane	5	U	1,3,5-Trimethylbenzene	5	U
1,1-Dichloropropene	5	U	4-Chlorotoluene	5	U
Carbon Tetrachloride	5	U	Tert-Butylbenzene	5	U
1,2-Dichloroethane	5	U	1,2,4-Trimethylbenzene	5	U
Benzene	5	U	Pentachloroethane	5	U
Trichloroethene	5	U	Sec-Butylbenzene	5	U
1,2-Dichloropropane	5	U	p-Isopropyltoluene	5	U
Methyl Methacrylate	5	U	1,3-Dichlorobenzene	5	U
Dibromomethane	5	U	1,4-Dichlorobenzene	5	U
Bromodichloromethane	5	U	n-Butylbenzene	5	U
2-Nitropropane	5	U	1,2-Dichlorobenzene	5	U

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418113

Field ID: MW-4

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	106	%
Toluene-D8	97	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	101	%

Authorized By: K. Fiddler

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Manchester Environmental Laboratory

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Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Roads			LIMS Project ID:	1589-97	
Sample:	97418113 (Dilution - DIL1)	Date Received:	10/13/97	Method:	SW8260	
Field ID:	MW-4			Matrix:	Water	
Project Officer:	Pam Marti	Date Analyzed:	10/21/97	Units:	ug/L	
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	100	U	Chloroacetonitrile	250	U	
Chloromethane	50	U	Cis-1,3-Dichloropropene	53	U	
Vinyl Chloride	50	U	4-Methyl-2-Pentanone	100	U	
Bromomethane	50	U	1,1-Dichloropropanone	50	U	
Chloroethane	50	U	Toluene	50	U	
Trichlorofluoromethane	50	U	Trans-1,3-Dichloropropene	47	U	
Ethyl Ether	50	U	Ethylmethacrylate	50	U	
1,1,2 Trichlorotrifluoroethane	50	U	1,1,2-Trichloroethane	50	U	
1,1-Dichloroethene	100	U	1,3-Dichloropropane	50	U	
Acetone	200	U	2-Hexanone	100	U	
Methyl Iodide	50	U	Tetrachloroethene	304		
Carbon Disulfide	100	U	Dibromochloromethane	50	U	
Allyl Chloride	50	U	1,2-Dibromoethane (EDB)	50	U	
Methylene Chloride	50	U	Chlorobenzene	50	U	
Acrylonitrile	250	U	1,1,1,2-Tetrachloroethane	50	U	
2-Methoxy-2-Methylpropane	50	U	Ethylbenzene	50	U	
Trans-1,2-Dichloroethene	50	U	m & p-Xylene	100	U	
1,1-Dichloroethane	50	U	o-Xylene	50	U	
2-Butanone	100	U	Styrene	50	U	
Cis-1,2-Dichloroethene	50	U	Bromoform	50	U	
2,2-Dichloropropane	50	U	Isopropylbenzene (Cumene)	50	U	
Methyl acrylate	50	U	1,1,2,2-Tetrachloroethane	50	U	
Methacrylonitrile	50	U	Trans-1,4-Dichloro-2-butene	100	U	
Bromochloromethane	50	U	1,2,3-Trichloropropane	50	U	
Chloroform	50	U	Bromobenzene	50	U	
Tetrahydrofuran	250	U	n-Propylbenzene	50	U	
1,1,1-Trichloroethane	50	U	2-Chlorotoluene	50	U	
1-Chlorobutane	50	U	1,3,5-Trimethylbenzene	50	U	
1,1-Dichloropropene	50	U	4-Chlorotoluene	50	U	
Carbon Tetrachloride	50	U	Tert-Butylbenzene	50	U	
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	50	U	
Benzene	50	U	Pentachloroethane	50	U	
Trichloroethene	50	U	Sec-Butylbenzene	50	U	
1,2-Dichloropropane	50	U	p-Isopropyltoluene	50	U	
Methyl Methacrylate	50	U	1,3-Dichlorobenzene	50	U	
Dibromomethane	50	U	1,4-Dichlorobenzene	50	U	
Bromodichloromethane	50	U	n-Butylbenzene	50	U	
2-Nitropropane	50	U	1,2-Dichlorobenzene	50	U	

Authorized By: K. Fabb

Release Date: 11/26/97

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418113 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	50	U
1,2-Dibromo-3-Chloropropane	250	U
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	103	%
1,4-Difluorobenzene	103	%
Toluene-D8	98	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	102	%

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Analysis Report for Volatile Organic Analysis

Project Name:	Hamilton Labree Roads		LIMS Project ID:	1589- 97	
Sample:	97418113	(Matrix Spike - LMX1)	Date Received:	10/13/97	
Field ID:	MW-4		Method:	SW8260	
Project Officer:	Pam Marti		Matrix:	Water	
			Date Analyzed:	10/21/97	
			Units:	% Recovery	

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	102		Chloroacetonitrile	83	
Chloromethane	108		Cis-1,3-Dichloropropene	104	
Vinyl Chloride	108		4-Methyl-2-Pentanone	111	
Bromomethane	91		1,1-Dichloropropanone	105	
Chloroethane	94		Toluene	102	
Trichlorofluoromethane	105		Trans-1,3-Dichloropropene	100	
Ethyl Ether	115		Ethylmethacrylate	109	
1,1,2 Trichlorotrifluoroethane	116		1,1,2-Trichloroethane	102	
1,1-Dichloroethene	115		1,3-Dichloropropane	105	
Acetone	126		2-Hexanone	115	
Methyl Iodide	111		Tetrachloroethene	108	
Carbon Disulfide	99		Dibromochloromethane	97	
Allyl Chloride	118		1,2-Dibromoethane (EDB)	104	
Methylene Chloride	111		Chlorobenzene	98	
Acrylonitrile	112		1,1,1,2-Tetrachloroethane	97	
2-Methoxy-2-Methylpropane	120		Ethylbenzene	99	
Trans-1,2-Dichloroethene	116		m & p-Xylene	94	
1,1-Dichloroethane	114		o-Xylene	96	
2-Butanone	115		Styrene	94	
Cis-1,2-Dichloroethene	114		Bromoform	109	
2,2-Dichloropropane	100		Isopropylbenzene (Cumene)	106	
Methyl acrylate	120		1,1,2,2-Tetrachloroethane	102	
Methacrylonitrile	122		Trans-1,4-Dichloro-2-butene	94	
Bromochloromethane	114		1,2,3-Trichloropropane	116	
Chloroform	112		Bromobenzene	104	
Tetrahydrofuran	128		n-Propylbenzene	106	
1,1,1-Trichloroethane	100		2-Chlorotoluene	105	
1-Chlorobutane	116		1,3,5-Trimethylbenzene	100	
1,1-Dichloropropene	107		4-Chlorotoluene	94	
Carbon Tetrachloride	100		Tert-Butylbenzene	106	
1,2-Dichloroethane	106		1,2,4-Trimethylbenzene	95	
Benzene	103		Pentachloroethane	102	
Trichloroethene	105		Sec-Butylbenzene	104	
1,2-Dichloropropane	102		p-Isopropyltoluene	105	
Methyl Methacrylate	118		1,3-Dichlorobenzene	101	
Dibromomethane	103		1,4-Dichlorobenzene	97	
Bromodichloromethane	99		n-Butylbenzene	104	
2-Nitropropane	99		1,2-Dichlorobenzene	98	

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Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Roads	LIMS Project ID:	1589- 97
Sample:	97418113 (Matrix Spike - LMX1)	Date Received:	10/13/97
Field ID:	MW-4	Method:	SW8260
Project Officer:	Pam Marti	Matrix:	Water
		Units:	% Recovery
Date Analyzed:	10/21/97		

Analyte	Result	Qualifier
Hexachloroethane	102	
1,2-Dibromo-3-Chloropropane	103	
1,2,4-Trichlorobenzene	126	
Hexachlorobutadiene	134	
Naphthalene	133	
1,2,3-Trichlorobenzene	136	

Surrogate Recoveries

1,2-Dichloroethane-D4	98	%
1,4-Difluorobenzene	103	%
Toluene-D8	97	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	101	%

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Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Roads	LIMS Project ID:	1589-97
Sample:	97418113 (Matrix Spike - LMX2)	Date Received:	10/13/97
Field ID:	MW-4	Method:	SW8260
Project Officer:	Pam Marti	Matrix:	Water
		Date Analyzed:	10/21/97
		Units:	% Recovery

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	101		Chloroacetonitrile	79	
Chloromethane	103		Cis-1,3-Dichloropropene	99	
Vinyl Chloride	106		4-Methyl-2-Pentanone	109	
Bromomethane	88		1,1-Dichloropropanone	100	
Chloroethane	94		Toluene	97	
Trichlorofluoromethane	102		Trans-1,3-Dichloropropene	96	
Ethyl Ether	114		Ethylmethacrylate	105	
1,1,2 Trichlorotrifluoroethane	110		1,1,2-Trichloroethane	101	
1,1-Dichloroethene	110		1,3-Dichloropropane	102	
Acetone	115		2-Hexanone	111	
Methyl Iodide	108		Tetrachloroethene	94	
Carbon Disulfide	103		Dibromochloromethane	95	
Allyl Chloride	110		1,2-Dibromoethane (EDB)	101	
Methylene Chloride	109		Chlorobenzene	93	
Acrylonitrile	117		1,1,1,2-Tetrachloroethane	93	
2-Methoxy-2-Methylpropane	118		Ethylbenzene	94	
Trans-1,2-Dichloroethene	109		m & p-Xylene	90	
1,1-Dichloroethane	111		o-Xylene	92	
2-Butanone	115		Styrene	90	
Cis-1,2-Dichloroethene	110		Bromoform	106	
2,2-Dichloropropane	97		Isopropylbenzene (Cumene)	101	
Methyl acrylate	117		1,1,2,2-Tetrachloroethane	101	
Methacrylonitrile	120		Trans-1,4-Dichloro-2-butene	91	
Bromochloromethane	110		1,2,3-Trichloropropane	114	
Chloroform	108		Bromobenzene	102	
Tetrahydrofuran	126		n-Propylbenzene	98	
1,1,1-Trichloroethane	96		2-Chlorotoluene	100	
1-Chlorobutane	111		1,3,5-Trimethylbenzene	95	
1,1-Dichloropropene	102		4-Chlorotoluene	95	
Carbon Tetrachloride	95		Tert-Butylbenzene	99	
1,2-Dichloroethane	106		1,2,4-Trimethylbenzene	91	
Benzene	99		Pentachloroethane	98	
Trichloroethene	100		Sec-Butylbenzene	96	
1,2-Dichloropropane	98		p-Isopropyltoluene	96	
Methyl Methacrylate	113		1,3-Dichlorobenzene	94	
Dibromomethane	99		1,4-Dichlorobenzene	89	
Bromodichloromethane	96		n-Butylbenzene	94	
2-Nitropropane	95		1,2-Dichlorobenzene	95	

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418113 (Matrix Spike - LMX2) Date Received: 10/13/97

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Units: % Recovery

Date Analyzed: 10/21/97

Analyte	Result	Qualifier
Hexachloroethane	94	
1,2-Dibromo-3-Chloropropane	92	
1,2,4-Trichlorobenzene	103	
Hexachlorobutadiene	101	
Naphthalene	115	
1,2,3-Trichlorobenzene	105	

Surrogate Recoveries

1,2-Dichloroethane-D4	99	%
1,4-Difluorobenzene	103	%
Toluene-D8	96	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	100	%

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589- 97

Sample: 97418114

Date Received: 10/13/97

Method: SW8260

Field ID: HL-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Chloroacetonitrile	25	U
Chloromethane	5	U	Cis-1,3-Dichloropropene	5.3	U
Vinyl Chloride	5	U	4-Methyl-2-Pentanone	10	U
Bromomethane	5	U	1,1-Dichloropropanone	5	U
Chloroethane	5	U	Toluene	5	U
Trichlorofluoromethane	5	U	Trans-1,3-Dichloropropene	4.7	U
Ethyl Ether	5	U	Ethylmethacrylate	5	U
1,1,2 Trichlorotrifluoroethane	5	U	1,1,2-Trichloroethane	5	U
1,1-Dichloroethene	10	U	1,3-Dichloropropane	5	U
Acetone	20	U	2-Hexanone	10	U
Methyl Iodide	5	U	Tetrachloroethene	7.7	
Carbon Disulfide	10	U	Dibromochloromethane	5	U
Allyl Chloride	5	U	1,2-Dibromoethane (EDB)	5	U
Methylene Chloride	5	U	Chlorobenzene	5	U
Acrylonitrile	25	U	1,1,1,2-Tetrachloroethane	5	U
2-Methoxy-2-Methylpropane	5	U	Ethylbenzene	5	U
Trans-1,2-Dichloroethene	5	U	m & p-Xylene	10	U
1,1-Dichloroethane	5	U	o-Xylene	5	U
2-Butanone	10	U	Styrene	5	U
Cis-1,2-Dichloroethene	5	U	Bromoform	5	U
2,2-Dichloropropane	5	U	Isopropylbenzene (Cumene)	5	U
Methyl acrylate	5	U	1,1,2,2-Tetrachloroethane	5	U
Methacrylonitrile	5	U	Trans-1,4-Dichloro-2-butene	10	U
Bromochloromethane	5	U	1,2,3-Trichloropropane	5	U
Chloroform	5	U	Bromobenzene	5	U
Tetrahydrofuran	25	U	n-Propylbenzene	5	U
1,1,1-Trichloroethane	5	U	2-Chlorotoluene	5	U
1-Chlorobutane	5	U	1,3,5-Trimethylbenzene	5	U
1,1-Dichloropropene	5	U	4-Chlorotoluene	5	U
Carbon Tetrachloride	5	U	Tert-Butylbenzene	5	U
1,2-Dichloroethane	5	U	1,2,4-Trimethylbenzene	5	U
Benzene	5	U	Pentachloroethane	5	U
Trichloroethene	5	U	Sec-Butylbenzene	5	U
1,2-Dichloropropane	5	U	p-Isopropyltoluene	5	U
Methyl Methacrylate	5	U	1,3-Dichlorobenzene	5	U
Dibromomethane	5	U	1,4-Dichlorobenzene	5	U
Bromodichloromethane	5	U	n-Butylbenzene	5	U
2-Nitropropane	5	U	1,2-Dichlorobenzene	5	U

Authorized By: Pam Marti

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418114

Date Received: 10/13/97

Method: SW8260

Field ID: HL-5

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	105	%
Toluene-D8	97	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: P. Tabb

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418115

Date Received: 10/13/97

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Chloroacetonitrile	25	U
Chloromethane	5	U	Cis-1,3-Dichloropropene	5.3	U
Vinyl Chloride	5	U	4-Methyl-2-Pentanone	10	U
Bromomethane	5	U	1,1-Dichloropropanone	5	U
Chloroethane	5	U	Toluene	5	U
Trichlorofluoromethane	5	U	Trans-1,3-Dichloropropene	4.7	U
Ethyl Ether	5	U	Ethylmethacrylate	5	U
1,1,2 Trichlorotrifluoroethane	5	U	1,1,2-Trichloroethane	5	U
1,1-Dichloroethene	10	U	1,3-Dichloropropane	5	U
Acetone	20	U	2-Hexanone	10	U
Methyl Iodide	5	U	Tetrachloroethene	405	E
Carbon Disulfide	10	U	Dibromochloromethane	5	U
Allyl Chloride	5	U	1,2-Dibromoethane (EDB)	5	U
Methylene Chloride	5	U	Chlorobenzene	5	U
Acrylonitrile	25	U	1,1,1,2-Tetrachloroethane	5	U
2-Methoxy-2-Methylpropane	5	U	Ethylbenzene	5	U
Trans-1,2-Dichloroethene	5	U	m & p-Xylene	10	U
1,1-Dichloroethane	5	U	o-Xylene	5	U
2-Butanone	10	U	Styrene	5	U
Cis-1,2-Dichloroethene	5	U	Bromoform	5	U
2,2-Dichloropropane	5	U	Isopropylbenzene (Cumene)	5	U
Methyl acrylate	5	U	1,1,2,2-Tetrachloroethane	5	U
Methacrylonitrile	5	U	Trans-1,4-Dichloro-2-butene	10	U
Bromochloromethane	5	U	1,2,3-Trichloropropane	5	U
Chloroform	5	U	Bromobenzene	5	U
Tetrahydrofuran	25	U	n-Propylbenzene	5	U
1,1,1-Trichloroethane	5	U	2-Chlorotoluene	5	U
1-Chlorobutane	5	U	1,3,5-Trimethylbenzene	5	U
1,1-Dichloropropene	5	U	4-Chlorotoluene	5	U
Carbon Tetrachloride	5	U	Tert-Butylbenzene	5	U
1,2-Dichloroethane	5	U	1,2,4-Trimethylbenzene	5	U
Benzene	5	U	Pentachloroethane	5	U
Trichloroethene	1	J	Sec-Butylbenzene	5	U
1,2-Dichloropropane	5	U	p-Isopropyltoluene	5	U
Methyl Methacrylate	5	U	1,3-Dichlorobenzene	5	U
Dibromomethane	5	U	1,4-Dichlorobenzene	5	U
Bromodichloromethane	5	U	n-Butylbenzene	5	U
2-Nitropropane	5	U	1,2-Dichlorobenzene	5	U

Authorized By: K. Feder

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418115

Date Received: 10/13/97

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 10/21/97

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	107	%
Toluene-D8	96	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: K. Ladd

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Roads	LIMS Project ID:	1589- 97
Sample:	97418115 (Dilution - DIL1)	Date Received:	10/13/97
Field ID:	HL-3	Method:	SW8260
Project Officer:	Pam Marti	Matrix:	Water
		Units:	ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	100	U	Chloroacetonitrile	250	U
Chloromethane	50	U	Cis-1,3-Dichloropropene	53	U
Vinyl Chloride	50	U	4-Methyl-2-Pentanone	100	U
Bromomethane	50	U	1,1-Dichloropropanone	50	U
Chloroethane	50	U	Toluene	50	U
Trichlorofluoromethane	50	U	Trans-1,3-Dichloropropene	47	U
Ethyl Ether	50	U	Ethylmethacrylate	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,1,2-Trichloroethane	50	U
1,1-Dichloroethene	100	U	1,3-Dichloropropane	50	U
Acetone	200	U	2-Hexanone	100	U
Methyl Iodide	50	U	Tetrachloroethene	347	
Carbon Disulfide	100	U	Dibromochloromethane	50	U
Allyl Chloride	50	U	1,2-Dibromoethane (EDB)	50	U
Methylene Chloride	50	U	Chlorobenzene	50	U
Acrylonitrile	250	U	1,1,1,2-Tetrachloroethane	50	U
2-Methoxy-2-Methylpropane	50	U	Ethylbenzene	50	U
Trans-1,2-Dichloroethene	50	U	m & p-Xylene	100	U
1,1-Dichloroethane	50	U	o-Xylene	50	U
2-Butanone	100	U	Styrene	50	U
Cis-1,2-Dichloroethene	50	U	Bromoform	50	U
2,2-Dichloropropane	50	U	Isopropylbenzene (Cumene)	50	U
Methyl acrylate	50	U	1,1,2,2-Tetrachloroethane	50	U
Methacrylonitrile	50	U	Trans-1,4-Dichloro-2-butene	100	U
Bromochloromethane	50	U	1,2,3-Trichloropropane	50	U
Chloroform	50	U	Bromobenzene	50	U
Tetrahydrofuran	250	U	n-Propylbenzene	50	U
1,1,1-Trichloroethane	50	U	2-Chlorotoluene	50	U
1-Chlorobutane	50	U	1,3,5-Trimethylbenzene	50	U
1,1-Dichloropropene	50	U	4-Chlorotoluene	50	U
Carbon Tetrachloride	50	U	Tert-Butylbenzene	50	U
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	50	U
Benzene	50	U	Pentachloroethane	50	U
Trichloroethene	50	U	Sec-Butylbenzene	50	U
1,2-Dichloropropane	50	U	p-Isopropyltoluene	50	U
Methyl Methacrylate	50	U	1,3-Dichlorobenzene	50	U
Dibromomethane	50	U	1,4-Dichlorobenzene	50	U
Bromodichloromethane	50	U	n-Butylbenzene	50	U
2-Nitropropane	50	U	1,2-Dichlorobenzene	50	U

Authorized By: *M. Judd*

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418115 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	50	U
1,2-Dibromo-3-Chloropropane	250	U
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	103	%
Toluene-D8	98	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	102	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589- 97

Sample: 97418116

Field ID: MW-8

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Units: ug/L

Date Analyzed: 10/21/97

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Chloroacetonitrile	25	U
Chloromethane	5	U	Cis-1,3-Dichloropropene	5.3	U
Vinyl Chloride	5	U	4-Methyl-2-Pentanone	10	U
Bromomethane	5	U	1,1-Dichloropropanone	5	U
Chloroethane	5	U	Toluene	5	U
Trichlorofluoromethane	5	U	Trans-1,3-Dichloropropene	4.7	U
Ethyl Ether	5	U	Ethylmethacrylate	5	U
1,1,2 Trichlorotrifluoroethane	5	U	1,1,2-Trichloroethane	5	U
1,1-Dichloroethene	10	U	1,3-Dichloropropane	5	U
Acetone	20	U	2-Hexanone	10	U
Methyl Iodide	5	U	Tetrachloroethene	2360	E
Carbon Disulfide	10	U	Dibromochloromethane	5	U
Allyl Chloride	5	U	1,2-Dibromoethane (EDB)	5	U
Methylene Chloride	5	U	Chlorobenzene	5	U
Acrylonitrile	25	U	1,1,1,2-Tetrachloroethane	5	U
2-Methoxy-2-Methylpropane	5	U	Ethylbenzene	5	U
Trans-1,2-Dichloroethene	5	U	m & p-Xylene	10	U
1,1-Dichloroethane	5	U	o-Xylene	5	U
2-Butanone	10	U	Styrene	5	U
Cis-1,2-Dichloroethene	5	U	Bromoform	5	U
2,2-Dichloropropane	5	U	Isopropylbenzene (Cumene)	5	U
Methyl acrylate	5	U	1,1,2,2-Tetrachloroethane	5	U
Methacrylonitrile	5	U	Trans-1,4-Dichloro-2-butene	10	U
Bromochloromethane	5	U	1,2,3-Trichloropropane	5	U
Chloroform	5	U	Bromobenzene	5	U
Tetrahydrofuran	25	U	n-Propylbenzene	5	U
1,1,1-Trichloroethane	5	U	2-Chlorotoluene	5	U
1-Chlorobutane	5	U	1,3,5-Trimethylbenzene	5	U
1,1-Dichloropropene	5	U	4-Chlorotoluene	5	U
Carbon Tetrachloride	5	U	Tert-Butylbenzene	5	U
1,2-Dichloroethane	5	U	1,2,4-Trimethylbenzene	5	U
Benzene	5	U	Pentachloroethane	5	U
Trichloroethene	5	U	Sec-Butylbenzene	5	U
1,2-Dichloropropane	5	U	p-Isopropyltoluene	5	U
Methyl Methacrylate	5	U	1,3-Dichlorobenzene	5	U
Dibromomethane	5	U	1,4-Dichlorobenzene	5	U
Bromodichloromethane	5	U	n-Butylbenzene	5	U
2-Nitropropane	5	U	1,2-Dichlorobenzene	5	U

Authorized By:

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418116

Date Received: 10/13/97

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	110	%
Toluene-D8	96	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	101	%

Authorized By:

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418116 (Dilution - DIL1)

Field ID: MW-8

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Units: ug/L

Date Analyzed: 10/21/97

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	500	U	Chloroacetonitrile	1250	U
Chloromethane	250	U	Cis-1,3-Dichloropropene	265	U
Vinyl Chloride	250	U	4-Methyl-2-Pentanone	500	U
Bromomethane	250	U	1,1-Dichloropropanone	250	U
Chloroethane	250	U	Toluene	250	U
Trichlorofluoromethane	250	U	Trans-1,3-Dichloropropene	235	U
Ethyl Ether	250	U	Ethylmethacrylate	250	U
1,1,2 Trichlorotrifluoroethane	250	U	1,1,2-Trichloroethane	250	U
1,1-Dichloroethene	500	U	1,3-Dichloropropane	250	U
Acetone	1000	U	2-Hexanone	500	U
Methyl Iodide	250	U	Tetrachloroethene	1700	
Carbon Disulfide	500	U	Dibromochloromethane	250	U
Allyl Chloride	250	U	1,2-Dibromoethane (EDB)	250	U
Methylene Chloride	250	U	Chlorobenzene	250	U
Acrylonitrile	1250	U	1,1,1,2-Tetrachloroethane	250	U
2-Methoxy-2-Methylpropane	250	U	Ethylbenzene	250	U
Trans-1,2-Dichloroethene	250	U	m & p-Xylene	500	U
1,1-Dichloroethane	250	U	o-Xylene	250	U
2-Butanone	500	U	Styrene	250	U
Cis-1,2-Dichloroethene	250	U	Bromoform	250	U
2,2-Dichloropropane	250	U	Isopropylbenzene (Cumene)	250	U
Methyl acrylate	250	U	1,1,2,2-Tetrachloroethane	250	U
Methacrylonitrile	250	U	Trans-1,4-Dichloro-2-butene	500	U
Bromochloromethane	250	U	1,2,3-Trichloropropane	250	U
Chloroform	250	U	Bromobenzene	250	U
Tetrahydrofuran	1250	U	n-Propylbenzene	250	U
1,1,1-Trichloroethane	250	U	2-Chlorotoluene	250	U
1-Chlorobutane	250	U	1,3,5-Trimethylbenzene	250	U
1,1-Dichloropropene	250	U	4-Chlorotoluene	250	U
Carbon Tetrachloride	250	U	Tert-Butylbenzene	250	U
1,2-Dichloroethane	250	U	1,2,4-Trimethylbenzene	250	U
Benzene	250	U	Pentachloroethane	250	U
Trichloroethene	250	U	Sec-Butylbenzene	250	U
1,2-Dichloropropane	250	U	p-Isopropyltoluene	250	U
Methyl Methacrylate	250	U	1,3-Dichlorobenzene	250	U
Dibromomethane	250	U	1,4-Dichlorobenzene	250	U
Bromodichloromethane	250	U	n-Butylbenzene	250	U
2-Nitropropane	250	U	1,2-Dichlorobenzene	250	U

Authorized By: K. Fadd

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418116 (Dilution - DIL1)

Field ID: MW-8

Project Officer: Pam Marti

Date Received: 10/13/97

Method: SW8260

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	250	U
1,2-Dibromo-3-Chloropropane	1250	U
1,2,4-Trichlorobenzene	250	U
Hexachlorobutadiene	250	U
Naphthalene	250	U
1,2,3-Trichlorobenzene	250	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	105	%
Toluene-D8	97	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	100	%

Authorized By: Karen Teller

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418117

Date Received: 10/13/97

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Chloroacetonitrile	25	U
Chloromethane	5	U	Cis-1,3-Dichloropropene	5.3	U
Vinyl Chloride	5	U	4-Methyl-2-Pentanone	10	U
Bromomethane	5	U	1,1-Dichloropropanone	5	U
Chloroethane	5	U	Toluene	5	U
Trichlorofluoromethane	5	U	Trans-1,3-Dichloropropene	4.7	U
Ethyl Ether	5	U	Ethylmethacrylate	5	U
1,1,2 Trichlorotrifluoroethane	5	U	1,1,2-Trichloroethane	5	U
1,1-Dichloroethene	10	U	1,3-Dichloropropane	5	U
Acetone	20	U	2-Hexanone	10	U
Methyl Iodide	5	U	Tetrachloroethene	754	E
Carbon Disulfide	10	U	Dibromochloromethane	5	U
Allyl Chloride	5	U	1,2-Dibromoethane (EDB)	5	U
Methylene Chloride	5	U	Chlorobenzene	5	U
Acrylonitrile	25	U	1,1,1,2-Tetrachloroethane	5	U
2-Methoxy-2-Methylpropane	5	U	Ethylbenzene	5	U
Trans-1,2-Dichloroethene	5	U	m & p-Xylene	10	U
1,1-Dichloroethane	5	U	o-Xylene	5	U
2-Butanone	10	U	Styrene	5	U
Cis-1,2-Dichloroethene	5	U	Bromoform	5	U
2,2-Dichloropropane	5	U	Isopropylbenzene (Cumene)	5	U
Methyl acrylate	5	U	1,1,2,2-Tetrachloroethane	5	U
Methacrylonitrile	5	U	Trans-1,4-Dichloro-2-butene	10	U
Bromochloromethane	5	U	1,2,3-Trichloropropane	5	U
Chloroform	5	U	Bromobenzene	5	U
Tetrahydrofuran	25	U	n-Propylbenzene	5	U
1,1,1-Trichloroethane	5	U	2-Chlorotoluene	5	U
1-Chlorobutane	5	U	1,3,5-Trimethylbenzene	5	U
1,1-Dichloropropene	5	U	4-Chlorotoluene	5	U
Carbon Tetrachloride	5	U	Tert-Butylbenzene	5	U
1,2-Dichloroethane	5	U	1,2,4-Trimethylbenzene	5	U
Benzene	5	U	Pentachloroethane	5	U
Trichloroethene	5	U	Sec-Butylbenzene	5	U
1,2-Dichloropropane	5	U	p-Isopropyltoluene	5	U
Methyl Methacrylate	5	U	1,3-Dichlorobenzene	5	U
Dibromomethane	5	U	1,4-Dichlorobenzene	5	U
Bromodichloromethane	5	U	n-Butylbenzene	5	U
2-Nitropropane	5	U	1,2-Dichlorobenzene	5	U

Authorized By: K. Ladd

Release Date: 11/26/97

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Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418117

Date Received: 10/13/97

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	107	%
Toluene-D8	97	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: K. Fall

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418117 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	100	U	Chloroacetonitrile	250	U
Chloromethane	50	U	Cis-1,3-Dichloropropene	53	U
Vinyl Chloride	50	U	4-Methyl-2-Pentanone	100	U
Bromomethane	50	U	1,1-Dichloropropanone	50	U
Chloroethane	50	U	Toluene	50	U
Trichlorofluoromethane	50	U	Trans-1,3-Dichloropropene	47	U
Ethyl Ether	50	U	Ethylmethacrylate	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,1,2-Trichloroethane	50	U
1,1-Dichloroethene	100	U	1,3-Dichloropropane	50	U
Acetone	200	U	2-Hexanone	100	U
Methyl Iodide	50	U	Tetrachloroethene	613	
Carbon Disulfide	100	U	Dibromochloromethane	50	U
Allyl Chloride	50	U	1,2-Dibromoethane (EDB)	50	U
Methylene Chloride	50	U	Chlorobenzene	50	U
Acrylonitrile	250	U	1,1,1,2-Tetrachloroethane	50	U
2-Methoxy-2-Methylpropane	50	U	Ethylbenzene	50	U
Trans-1,2-Dichloroethene	50	U	m & p-Xylene	100	U
1,1-Dichloroethane	50	U	o-Xylene	50	U
2-Butanone	100	U	Styrene	50	U
Cis-1,2-Dichloroethene	50	U	Bromoform	50	U
2,2-Dichloropropane	50	U	Isopropylbenzene (Cumene)	50	U
Methyl acrylate	50	U	1,1,2,2-Tetrachloroethane	50	U
Methacrylonitrile	50	U	Trans-1,4-Dichloro-2-butene	100	U
Bromochloromethane	50	U	1,2,3-Trichloropropane	50	U
Chloroform	50	U	Bromobenzene	50	U
Tetrahydrofuran	250	U	n-Propylbenzene	50	U
1,1,1-Trichloroethane	50	U	2-Chlorotoluene	50	U
1-Chlorobutane	50	U	1,3,5-Trimethylbenzene	50	U
1,1-Dichloropropene	50	U	4-Chlorotoluene	50	U
Carbon Tetrachloride	50	U	Tert-Butylbenzene	50	U
1,2-Dichloroethane	50	U	1,2,4-Trimethylbenzene	50	U
Benzene	50	U	Pentachloroethane	50	U
Trichloroethene	50	U	Sec-Butylbenzene	50	U
1,2-Dichloropropane	50	U	p-Isopropyltoluene	50	U
Methyl Methacrylate	50	U	1,3-Dichlorobenzene	50	U
Dibromomethane	50	U	1,4-Dichlorobenzene	50	U
Bromodichloromethane	50	U	n-Butylbenzene	50	U
2-Nitropropane	50	U	1,2-Dichlorobenzene	50	U

Authorized By: R. Zell

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418117 (Dilution - DIL1)

Date Received: 10/13/97

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/21/97

Units: ug/L

Analyte	Result	Qualifier
Hexachloroethane	50	U
1,2-Dibromo-3-Chloropropane	250	U
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	104	%
Toluene-D8	96	%
p-Bromofluorobenzene	96	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418118

Date Received: 10/13/97

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 10/20/97

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Chloroacetonitrile	25	U
Chloromethane	5	U	Cis-1,3-Dichloropropene	5.3	U
Vinyl Chloride	5	U	4-Methyl-2-Pentanone	10	U
Bromomethane	5	U	1,1-Dichloropropanone	5	U
Chloroethane	5	U	Toluene	5	U
Trichlorofluoromethane	5	U	Trans-1,3-Dichloropropene	4.7	U
Ethyl Ether	5	U	Ethylmethacrylate	5	U
1,1,2 Trichlorotrifluoroethane	5	U	1,1,2-Trichloroethane	5	U
1,1-Dichloroethene	10	U	1,3-Dichloropropane	5	U
Acetone	20	U	2-Hexanone	10	U
Methyl Iodide	5	U	Tetrachloroethene	219	
Carbon Disulfide	10	U	Dibromochloromethane	5	U
Allyl Chloride	5	U	1,2-Dibromoethane (EDB)	5	U
Methylene Chloride	5	U	Chlorobenzene	5	U
Acrylonitrile	25	U	1,1,1,2-Tetrachloroethane	5	U
2-Methoxy-2-Methylpropane	5	U	Ethylbenzene	5	U
Trans-1,2-Dichloroethene	5	U	m & p-Xylene	10	U
1,1-Dichloroethane	5	U	o-Xylene	5	U
2-Butanone	10	U	Styrene	5	U
Cis-1,2-Dichloroethene	5	U	Bromoform	5	U
2,2-Dichloropropane	5	U	Isopropylbenzene (Cumene)	5	U
Methyl acrylate	5	U	1,1,2,2-Tetrachloroethane	5	U
Methacrylonitrile	5	U	Trans-1,4-Dichloro-2-butene	10	U
Bromochloromethane	5	U	1,2,3-Trichloropropane	5	U
Chloroform	5	U	Bromobenzene	5	U
Tetrahydrofuran	25	U	n-Propylbenzene	5	U
1,1,1-Trichloroethane	5	U	2-Chlorotoluene	5	U
1-Chlorobutane	5	U	1,3,5-Trimethylbenzene	5	U
1,1-Dichloropropene	5	U	4-Chlorotoluene	5	U
Carbon Tetrachloride	5	U	Tert-Butylbenzene	5	U
1,2-Dichloroethane	5	U	1,2,4-Trimethylbenzene	5	U
Benzene	5	U	Pentachloroethane	5	U
Trichloroethene	5	U	Sec-Butylbenzene	5	U
1,2-Dichloropropane	5	U	p-Isopropyltoluene	5	U
Methyl Methacrylate	5	U	1,3-Dichlorobenzene	5	U
Dibromomethane	5	U	1,4-Dichlorobenzene	5	U
Bromodichloromethane	5	U	n-Butylbenzene	5	U
2-Nitropropane	5	U	1,2-Dichlorobenzene	5	U

Authorized By: K. Tutt

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: 97418118

Date Received: 10/13/97

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 10/20/97

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Analyte	Result	Qualifier
Hexachloroethane	5	U
1,2-Dibromo-3-Chloropropane	25	U
1,2,4-Trichlorobenzene	5	U
Hexachlorobutadiene	5	U
Naphthalene	5	U
1,2,3-Trichlorobenzene	5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	108	%
Toluene-D8	97	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	101	%

Authorized By: Karen Fidel

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Roads			LIMS Project ID:	1589-97	
Sample:	BLN73328			Method:	SW8260	
Blank ID:	OKBW7287			Matrix:	Water	
Project Officer:	Pam Marti			Units:	ug/L	
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U	
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U	
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U	
Bromomethane	1	U	1,1-Dichloropropanone	1	U	
Chloroethane	1	U	Toluene	1	U	
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U	
Ethyl Ether	1	U	Ethylmethacrylate	1	U	
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U	
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U	
Acetone	.81	J	2-Hexanone	2	U	
Methyl Iodide	1	U	Tetrachloroethene	1	U	
Carbon Disulfide	2	U	Dibromochloromethane	1	U	
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U	
Methylene Chloride	.054	J	Chlorobenzene	1	U	
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U	
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U	
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U	
1,1-Dichloroethane	1	U	o-Xylene	1	U	
2-Butanone	2	U	Styrene	1	U	
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U	
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U	
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U	
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U	
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U	
Chloroform	1	U	Bromobenzene	1	U	
Tetrahydrofuran	5	U	n-Propylbenzene	1	U	
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U	
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U	
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U	
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U	
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U	
Benzene	1	U	Pentachloroethane	1	U	
Trichloroethene	1	U	Sec-Butylbenzene	1	U	
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U	
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U	
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U	
Bromodichloromethane	1	U	n-Butylbenzene	1	U	
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U	

Authorized By: Karen Feltner

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: BLN73328

Method: SW8260

Blank ID: OKBW7287

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 10/14/97

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	.2	J
Hexachlorobutadiene	1	U
Naphthalene	.34	J
1,2,3-Trichlorobenzene	.26	J

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	102	%
Toluene-D8	100	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Theresa Todd

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: BLN73329

Method: SW8260

Blank ID: OKBW7293

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 10/20/97

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U
Bromomethane	1	U	1,1-Dichloropropanone	1	U
Chloroethane	1	U	Toluene	1	U
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U
Ethyl Ether	1	U	Ethylmethacrylate	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U
Acetone	1.6	J	2-Hexanone	2	U
Methyl Iodide	1	U	Tetrachloroethene	1	U
Carbon Disulfide	2	U	Dibromochloromethane	1	U
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U
Methylene Chloride	.22	J	Chlorobenzene	1	U
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U
1,1-Dichloroethane	1	U	o-Xylene	1	U
2-Butanone	2	U	Styrene	1	U
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U
Chloroform	1	U	Bromobenzene	1	U
Tetrahydrofuran	5	U	n-Propylbenzene	1	U
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
Benzene	1	U	Pentachloroethane	1	U
Trichloroethene	1	U	Sec-Butylbenzene	1	U
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U
Bromodichloromethane	1	U	n-Butylbenzene	1	U
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U

Authorized By:

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: BLN73329

Method: SW8260

Blank ID: OKBW7293

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 10/20/97

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	.22	J
Hexachlorobutadiene	1	U
Naphthalene	.35	J
1,2,3-Trichlorobenzene	.3	J

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	105	%
Toluene-D8	98	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	100	%

Authorized By: Karen Feltz

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Roads			LIMS Project ID:	1589- 97	
Sample:	BLN7330			Method:	SW8260	
Blank ID:	OKBW7294			Matrix:	Water	
Project Officer:	Pam Marti			Units:	ug/L	
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	2	U	Chloroacetonitrile	5	U	
Chloromethane	1	U	Cis-1,3-Dichloropropene	1.1	U	
Vinyl Chloride	1	U	4-Methyl-2-Pentanone	2	U	
Bromomethane	1	U	1,1-Dichloropropanone	1	U	
Chloroethane	1	U	Toluene	1	U	
Trichlorofluoromethane	1	U	Trans-1,3-Dichloropropene	.94	U	
Ethyl Ether	1	U	Ethylmethacrylate	1	U	
1,1,2 Trichlorotrifluoroethane	1	U	1,1,2-Trichloroethane	1	U	
1,1-Dichloroethene	2	U	1,3-Dichloropropane	1	U	
Acetone	1.7	J	2-Hexanone	2	U	
Methyl Iodide	1	U	Tetrachloroethene	1	U	
Carbon Disulfide	2	U	Dibromochloromethane	1	U	
Allyl Chloride	1	U	1,2-Dibromoethane (EDB)	1	U	
Methylene Chloride	1		Chlorobenzene	1	U	
Acrylonitrile	5	U	1,1,1,2-Tetrachloroethane	1	U	
2-Methoxy-2-Methylpropane	1	U	Ethylbenzene	1	U	
Trans-1,2-Dichloroethene	1	U	m & p-Xylene	2	U	
1,1-Dichloroethane	1	U	o-Xylene	1	U	
2-Butanone	2	U	Styrene	1	U	
Cis-1,2-Dichloroethene	1	U	Bromoform	1	U	
2,2-Dichloropropane	1	U	Isopropylbenzene (Cumene)	1	U	
Methyl acrylate	1	U	1,1,2,2-Tetrachloroethane	1	U	
Methacrylonitrile	1	U	Trans-1,4-Dichloro-2-butene	2	U	
Bromochloromethane	1	U	1,2,3-Trichloropropane	1	U	
Chloroform	1	U	Bromobenzene	1	U	
Tetrahydrofuran	5	U	n-Propylbenzene	1	U	
1,1,1-Trichloroethane	1	U	2-Chlorotoluene	1	U	
1-Chlorobutane	1	U	1,3,5-Trimethylbenzene	1	U	
1,1-Dichloropropene	1	U	4-Chlorotoluene	1	U	
Carbon Tetrachloride	1	U	Tert-Butylbenzene	1	U	
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U	
Benzene	1	U	Pentachloroethane	1	U	
Trichloroethene	1	U	Sec-Butylbenzene	1	U	
1,2-Dichloropropane	1	U	p-Isopropyltoluene	1	U	
Methyl Methacrylate	1	U	1,3-Dichlorobenzene	1	U	
Dibromomethane	1	U	1,4-Dichlorobenzene	1	U	
Bromodichloromethane	1	U	n-Butylbenzene	1	U	
2-Nitropropane	1	U	1,2-Dichlorobenzene	1	U	

Authorized By: Karen Felt

Release Date: 11/26/97

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Roads

LIMS Project ID: 1589-97

Sample: BLN73330

Method: SW8260

Blank ID: OKBW7294

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 10/21/97

Analyte	Result	Qualifier
Hexachloroethane	1	U
1,2-Dibromo-3-Chloropropane	5	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	.24	J
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	107	%
Toluene-D8	97	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Pam Marti

Release Date: 11/26/97

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Manchester Environmental Laboratory

7411 Beach Drive E, Port Orchard Washington 98366

CASE NARRATIVE

April 15, 1998

Project: Hamilton/Labree - Waters
Samples: 98058105 through 98058118, 98058126
Project ID: 107298
Project Officer: Pam Marti
By: Karin Feddersen *KF*

VOLATILE ORGANIC ANALYSIS

SUMMARY:

The data is usable as reported.

ANALYTICAL METHODS:

Volatile organic compounds were analyzed using the Manchester modification of the EPA Method 8260 purge-trap procedure with capillary GC/MS analysis. Routine QA/QC procedures were performed.

BLANKS:

Low levels of certain target compounds were detected in the laboratory blanks. If the on-column concentrations of the compounds in a sample are at least five times greater than the on-column concentrations of the same compounds detected in the associated method blank, they are considered native to the sample.

Methylene Chloride and Acetone are commonly used laboratory solvents. These compounds are considered native to the sample if their concentration is at least ten times greater than the amount detected in the associated blank.

SURROGATES:

Surrogate recoveries were within acceptable limits for all samples.

HOLDING TIMES:

The samples were analyzed within the recommended 14 day holding time.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE:

Sample 98058114 was used for matrix spikes. All recoveries were within acceptable limits of 50 to 150% with a few exceptions which did not affect the results.

Chloromethane, Trichlorofluoromethane and Freon 113 recoveries were each 152% in one spike. High recoveries may indicate a high bias in the results of detected analytes. However, since these analytes were not detected in any of the samples, no qualification of the data was warranted.

DATA QUALIFIER CODES:

- U - The analyte was not detected at or above the reported value.
- J - The analyte was positively identified. The associated numerical value is an estimate.
- UJ - The analyte was not detected at or above the reported estimated result.
- REJ - The data are unusable for all purposes.
- NAF - Not analyzed for.
- N - There is evidence the analyte is present in the sample.
- NJ - There is evidence that the analyte is present. The associated numerical result is an estimate.
- E - This qualifier is used when the concentration of the associated value exceeds the known calibration range. The associated numerical result is an estimate.
- bold** - The analyte was present in the sample. (Visual Aid to locate detected compounds on report sheet.)

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058105

Date Received: 01/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	126	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	.39	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	.14	J	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1.1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Zell

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058105

Date Received: 01/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	101	%
Toluene-D8	102	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	101	%

Authorized By: Pam Marti

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058105 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	U
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	UJ	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	10	U
Acetone	40	U	Tetrachloroethene	140	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	10	UJ	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	20	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By: Pam Marti

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072- 98

Sample: 98058105 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	20	U
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	96	%
Toluene-D8	102	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Pam Marti

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072- 98

Sample: 98058106

Date Received: 01/30/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	344	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1.5		p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058106

Date Received: 01/30/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	102	%
Toluene-D8	100	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Karen Zell

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058106 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	20	U	Cis-1,3-Dichloropropene	21	U
Chloromethane	20	U	4-Methyl-2-Pentanone	40	U
Vinyl Chloride	20	U	1,1-Dichloropropanone	20	U
Bromomethane	20	U	Toluene	20	U
Chloroethane	20	U	Trans-1,3-Dichloropropene	19	U
Trichlorofluoromethane	20	UJ	Ethylmethacrylate	20	U
Ethyl Ether	20	U	1,1,2-Trichloroethane	20	U
1,1,2 Trichlorotrifluoroethane	20	U	1,3-Dichloropropane	20	U
1,1-Dichloroethene	20	U	2-Hexanone	20	U
Acetone	80	U	Tetrachloroethene	380	
Methyl Iodide	20	U	Dibromochloromethane	20	U
Carbon Disulfide	40	U	1,2-Dibromoethane (EDB)	20	U
Allyl Chloride	20	U	Chlorobenzene	20	U
Methylene Chloride	20	UJ	1,1,1,2-Tetrachloroethane	20	U
Acrylonitrile	20	U	Ethylbenzene	20	U
2-Methoxy-2-Methylpropane	20	U	m & p-Xylene	40	U
Trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,1-Dichloroethane	20	U	Styrene	20	U
2-Butanone	40	U	Bromoform	40	U
Cis-1,2-Dichloroethene	20	U	Isopropylbenzene (Cumene)	20	U
2,2-Dichloropropane	20	U	1,1,2,2-Tetrachloroethane	20	U
Methyl acrylate	20	U	Trans-1,4-Dichloro-2-butene	20	U
Methacrylonitrile	20	U	1,2,3-Trichloropropane	20	U
Bromochloromethane	20	U	Bromobenzene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Tetrahydrofuran	20	U	2-Chlorotoluene	20	U
1,1,1-Trichloroethane	20	U	1,3,5-Trimethylbenzene	20	U
1-Chlorobutane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	Tert-Butylbenzene	20	U
Carbon Tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
1,2-Dichloroethane	20	U	Pentachloroethane	20	U
Benzene	20	U	Sec-Butylbenzene	20	U
Trichloroethene	20	U	p-Isopropyltoluene	20	U
1,2-Dichloropropane	20	U	1,3-Dichlorobenzene	20	U
Methyl Methacrylate	20	U	1,4-Dichlorobenzene	20	U
Dibromomethane	20	U	n-Butylbenzene	20	U
Bromodichloromethane	20	U	1,2-Dichlorobenzene	20	U
2-Nitropropane	20	U	Hexachloroethane	20	U

Authorized By: Karen Zell

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058106 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	40	U
1,2,4-Trichlorobenzene	20	U
Hexachlorobutadiene	20	U
Naphthalene	20	U
1,2,3-Trichlorobenzene	20	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	97	%
Toluene-D8	102	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: Kai Teller

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072- 98

Sample: 98058107

Date Received: 01/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	189	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	.22	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	.25	J	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

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Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058107

Date Received: 01/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	105	%
1,4-Difluorobenzene	102	%
Toluene-D8	99	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Kari Zellh

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058107 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	U
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	UJ	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	10	U
Acetone	40	U	Tetrachloroethene	188	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	10	UJ	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	20	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058107 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	20	U
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	97	%
Toluene-D8	101	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058108

Date Received: 01/30/98

Method: SW8260

Field ID: HL-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	7.6	
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Felt

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058108

Date Received: 01/30/98

Method: SW8260

Field ID: HL-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	101	%
Toluene-D8	100	%
p-Bromofluorobenzene	97	%
1,2-Dichlorobenzene-D4	102	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058109

Date Received: 01/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	609	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	.89	J	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Zeld

Release Date: 4/15/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072- 98

Sample: 98058109

Date Received: 01/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	108	%
1,4-Difluorobenzene	102	%
Toluene-D8	100	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Karen Zell

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058109 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	50	U	Cis-1,3-Dichloropropene	53	U
Chloromethane	50	U	4-Methyl-2-Pentanone	100	U
Vinyl Chloride	50	U	1,1-Dichloropropanone	50	U
Bromomethane	50	U	Toluene	50	U
Chloroethane	50	U	Trans-1,3-Dichloropropene	47	U
Trichlorofluoromethane	50	UJ	Ethylmethacrylate	50	U
Ethyl Ether	50	U	1,1,2-Trichloroethane	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,3-Dichloropropane	50	U
1,1-Dichloroethene	50	U	2-Hexanone	50	U
Acetone	200	U	Tetrachloroethene	708	
Methyl Iodide	50	U	Dibromochloromethane	50	U
Carbon Disulfide	100	U	1,2-Dibromoethane (EDB)	50	U
Allyl Chloride	50	U	Chlorobenzene	50	U
Methylene Chloride	50	UJ	1,1,1,2-Tetrachloroethane	50	U
Acrylonitrile	50	U	Ethylbenzene	50	U
2-Methoxy-2-Methylpropane	50	U	m & p-Xylene	100	U
Trans-1,2-Dichloroethene	50	U	o-Xylene	50	U
1,1-Dichloroethane	50	U	Styrene	50	U
2-Butanone	100	U	Bromoform	100	U
Cis-1,2-Dichloroethene	50	U	Isopropylbenzene (Cumene)	50	U
2,2-Dichloropropane	50	U	1,1,2,2-Tetrachloroethane	50	U
Methyl acrylate	50	U	Trans-1,4-Dichloro-2-butene	50	U
Methyacrylonitrile	50	U	1,2,3-Trichloropropane	50	U
Bromochloromethane	50	U	Bromobenzene	50	U
Chloroform	50	U	n-Propylbenzene	50	U
Tetrahydrofuran	50	U	2-Chlorotoluene	50	U
1,1,1-Trichloroethane	50	U	1,3,5-Trimethylbenzene	50	U
1-Chlorobutane	50	U	4-Chlorotoluene	50	U
1,1-Dichloropropene	50	U	Tert-Butylbenzene	50	U
Carbon Tetrachloride	50	U	1,2,4-Trimethylbenzene	50	U
1,2-Dichloroethane	50	U	Pentachloroethane	50	U
Benzene	50	U	Sec-Butylbenzene	50	U
Trichloroethene	50	U	p-Isopropyltoluene	50	U
1,2-Dichloropropane	50	U	1,3-Dichlorobenzene	50	U
Methyl Methacrylate	50	U	1,4-Dichlorobenzene	50	U
Dibromomethane	50	U	n-Butylbenzene	50	U
Bromodichloromethane	50	U	1,2-Dichlorobenzene	50	U
2-Nitropropane	50	U	Hexachloroethane	50	U

Authorized By: Karen Zell

Release Date: 4/15/98

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Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058109 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	100	U
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	98	%
Toluene-D8	100	%
p-Bromofluorobenzene	97	%
1,2-Dichlorobenzene-D4	101	%

Manchester Environmental Laboratory

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058110

Date Received: 01/30/98

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	.66	J
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Nicole Felt

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058110

Date Received: 01/30/98

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	101	%
Toluene-D8	102	%
p-Bromofluorobenzene	102	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058111

Date Received: 01/30/98

Method: SW8260

Field ID: MW-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	1.2	
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Kris Zell

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058111

Date Received: 01/30/98

Method: SW8260

Field ID: MW-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	101	%
Toluene-D8	101	%
p-Bromofluorobenzene	97	%
1,2-Dichlorobenzene-D4	101	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058112

Date Received: 01/30/98

Method: SW8260

Field ID: MW-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	4.2	
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Kim Zell

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058112

Date Received: 01/30/98

Method: SW8260

Field ID: MW-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	101	%
Toluene-D8	100	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	101	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058113

Date Received: 01/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorodifluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	201	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Tedde

Release Date: 4/15/08

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058113

Date Received: 01/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	103	%
Toluene-D8	102	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	101	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058113 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	20	U	Cis-1,3-Dichloropropene	21	U
Chloromethane	20	U	4-Methyl-2-Pentanone	40	U
Vinyl Chloride	20	U	1,1-Dichloropropanone	20	U
Bromomethane	20	U	Toluene	20	U
Chloroethane	20	U	Trans-1,3-Dichloropropene	19	U
Trichlorofluoromethane	20	UJ	Ethylmethacrylate	20	U
Ethyl Ether	20	U	1,1,2-Trichloroethane	20	U
1,1,2 Trichlorotrifluoroethane	20	U	1,3-Dichloropropane	20	U
1,1-Dichloroethene	20	U	2-Hexanone	20	U
Acetone	80	U	Tetrachloroethene	200	
Methyl Iodide	20	U	Dibromochloromethane	20	U
Carbon Disulfide	40	U	1,2-Dibromoethane (EDB)	20	U
Allyl Chloride	20	U	Chlorobenzene	20	U
Methylene Chloride	20	UJ	1,1,1,2-Tetrachloroethane	20	U
Acrylonitrile	20	U	Ethylbenzene	20	U
2-Methoxy-2-Methylpropane	20	U	m & p-Xylene	40	U
Trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,1-Dichloroethane	20	U	Styrene	20	U
2-Butanone	40	U	Bromoform	40	U
Cis-1,2-Dichloroethene	20	U	Isopropylbenzene (Cumene)	20	U
2,2-Dichloropropane	20	U	1,1,2,2-Tetrachloroethane	20	U
Methyl acrylate	20	U	Trans-1,4-Dichloro-2-butene	20	U
Methyacrylonitrile	20	U	1,2,3-Trichloropropane	20	U
Bromochloromethane	20	U	Bromobenzene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Tetrahydrofuran	20	U	2-Chlorotoluene	20	U
1,1,1-Trichloroethane	20	U	1,3,5-Trimethylbenzene	20	U
1-Chlorobutane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	Tert-Butylbenzene	20	U
Carbon Tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
1,2-Dichloroethane	20	U	Pentachloroethane	20	U
Benzene	20	U	Sec-Butylbenzene	20	U
Trichloroethene	20	U	p-Isopropyltoluene	20	U
1,2-Dichloropropane	20	U	1,3-Dichlorobenzene	20	U
Methyl Methacrylate	20	U	1,4-Dichlorobenzene	20	U
Dibromomethane	20	U	n-Butylbenzene	20	U
Bromodichloromethane	20	U	1,2-Dichlorobenzene	20	U
2-Nitropropane	20	U	Hexachloroethane	20	U

Authorized By: Pam Leder

Release Date: 4/15/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058113 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	40	U
1,2,4-Trichlorobenzene	20	U
Hexachlorobutadiene	20	U
Naphthalene	20	U
1,2,3-Trichlorobenzene	20	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	95	%
Toluene-D8	102	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	100	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058114

Date Received: 01/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorodifluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	292	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karin Eddle

Release Date: 4/15/98

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Manchester Environmental Laboratory

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058114

Date Received: 01/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	103	%
Toluene-D8	101	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	102	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.		LIMS Project ID:	1072-98	
Sample:	98058114 (Dilution - DIL1)	Date Received:	01/30/98	Method:	SW8260
Field ID:	MW-2			Matrix:	Water
Project Officer:	Pam Marti	Date Analyzed:	02/04/98	Units:	ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	20	U	Cis-1,3-Dichloropropene	21	U
Chloromethane	20	U	4-Methyl-2-Pentanone	40	U
Vinyl Chloride	20	U	1,1-Dichloropropanone	20	U
Bromomethane	20	U	Toluene	20	U
Chloroethane	20	U	Trans-1,3-Dichloropropene	19	U
Trichlorofluoromethane	20	UJ	Ethylmethacrylate	20	U
Ethyl Ether	20	U	1,1,2-Trichloroethane	20	U
1,1,2 Trichlorotrifluoroethane	20	U	1,3-Dichloropropane	20	U
1,1-Dichloroethene	20	U	2-Hexanone	20	U
Acetone	80	U	Tetrachloroethene	285	
Methyl Iodide	20	U	Dibromochloromethane	20	U
Carbon Disulfide	40	U	1,2-Dibromoethane (EDB)	20	U
Allyl Chloride	20	U	Chlorobenzene	20	U
Methylene Chloride	20	UJ	1,1,1,2-Tetrachloroethane	20	U
Acrylonitrile	20	U	Ethylbenzene	20	U
2-Methoxy-2-Methylpropane	20	U	m & p-Xylene	40	U
Trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,1-Dichloroethane	20	U	Styrene	20	U
2-Butanone	40	U	Bromoform	40	U
Cis-1,2-Dichloroethene	20	U	Isopropylbenzene (Cumene)	20	U
2,2-Dichloropropane	20	U	1,1,2,2-Tetrachloroethane	20	U
Methyl acrylate	20	U	Trans-1,4-Dichloro-2-butene	20	U
Methyacrylonitrile	20	U	1,2,3-Trichloropropane	20	U
Bromochloromethane	20	U	Bromobenzene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Tetrahydrofuran	20	U	2-Chlorotoluene	20	U
1,1,1-Trichloroethane	20	U	1,3,5-Trimethylbenzene	20	U
1-Chlorobutane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	Tert-Butylbenzene	20	U
Carbon Tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
1,2-Dichloroethane	20	U	Pentachloroethane	20	U
Benzene	20	U	Sec-Butylbenzene	20	U
Trichloroethene	20	U	p-Isopropyltoluene	20	U
1,2-Dichloropropane	20	U	1,3-Dichlorobenzene	20	U
Methyl Methacrylate	20	U	1,4-Dichlorobenzene	20	U
Dibromomethane	20	U	n-Butylbenzene	20	U
Bromodichloromethane	20	U	1,2-Dichlorobenzene	20	U
2-Nitropropane	20	U	Hexachloroethane	20	U

Authorized By: Kari Tedder

Release Date: 4/15/98

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058114 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	40	U
1,2,4-Trichlorobenzene	20	U
Hexachlorobutadiene	20	U
Naphthalene	20	U
1,2,3-Trichlorobenzene	20	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	96	%
Toluene-D8	102	%
p-Bromofluorobenzene	97	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058114 (Matrix Spike - LMX1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: % Recovery

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	111		Cis-1,3-Dichloropropene	107	
Chloromethane	152		4-Methyl-2-Pentanone	111	
Vinyl Chloride	139		1,1-Dichloropropanone	87	
Bromomethane	112		Toluene	109	
Chloroethane	139		Trans-1,3-Dichloropropene	92	
Trichlorofluoromethane	152		Ethylmethacrylate	99	
Ethyl Ether	119		1,1,2-Trichloroethane	110	
1,1,2 Trichlorotrifluoroethane	151		1,3-Dichloropropane	104	
1,1-Dichloroethene	139		2-Hexanone	115	
Acetone	130		Tetrachloroethene	103	
Methyl Iodide	132		Dibromochloromethane	106	
Carbon Disulfide	137		1,2-Dibromoethane (EDB)	106	
Allyl Chloride	125		Chlorobenzene	112	
Methylene Chloride	90		1,1,1,2-Tetrachloroethane	105	
Acrylonitrile	125		Ethylbenzene	112	
2-Methoxy-2-Methylpropane	98		m & p-Xylene	113	
Trans-1,2-Dichloroethene	118		o-Xylene	109	
1,1-Dichloroethane	120		Styrene	109	
2-Butanone	115		Bromoform	99	
Cis-1,2-Dichloroethene	107		Isopropylbenzene (Cumene)	122	
2,2-Dichloropropane	102		1,1,2,2-Tetrachloroethane	105	
Methyl acrylate	109		Trans-1,4-Dichloro-2-butene	108	
Methyacrylonitrile	102		1,2,3-Trichloropropane	98	
Bromochloromethane	102		Bromobenzene	102	
Chloroform	113		n-Propylbenzene	121	
Tetrahydrofuran	88		2-Chlorotoluene	118	
1,1,1-Trichloroethane	127		1,3,5-Trimethylbenzene	118	
1-Chlorobutane	136		4-Chlorotoluene	120	
1,1-Dichloropropene	124		Tert-Butylbenzene	123	
Carbon Tetrachloride	128		1,2,4-Trimethylbenzene	117	
1,2-Dichloroethane	120		Pentachloroethane	114	
Benzene	107		Sec-Butylbenzene	126	
Trichloroethene	117		p-Isopropyltoluene	120	
1,2-Dichloropropane	116		1,3-Dichlorobenzene	107	
Methyl Methacrylate	84		1,4-Dichlorobenzene	107	
Dibromomethane	113		n-Butylbenzene	126	
Bromodichloromethane	110		1,2-Dichlorobenzene	106	
2-Nitropropane	76		Hexachloroethane	102	

Authorized By: Pam Marti

Release Date: 4/15/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058114 (Matrix Spike - LMX1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: % Recovery

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	90	
1,2,4-Trichlorobenzene	103	
Hexachlorobutadiene	117	
Naphthalene	102	
1,2,3-Trichlorobenzene	102	

1,2-Dibromo-3-Chloropropane	90	
1,2,4-Trichlorobenzene	103	
Hexachlorobutadiene	117	
Naphthalene	102	
1,2,3-Trichlorobenzene	102	

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	96	%
Toluene-D8	101	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	102	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058114 (Matrix Spike - LMX2)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: % Recovery

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	110		Cis-1,3-Dichloropropene	106	
Chloromethane	134		4-Methyl-2-Pentanone	112	
Vinyl Chloride	138		1,1-Dichloropropanone	77	
Bromomethane	110		Toluene	107	
Chloroethane	130		Trans-1,3-Dichloropropene	91	
Trichlorodifluoromethane	144		Ethylmethacrylate	98	
Ethyl Ether	118		1,1,2-Trichloroethane	107	
1,1,2 Trichlorotrifluoroethane	143		1,3-Dichloropropane	105	
1,1-Dichloroethene	125		2-Hexanone	114	
Acetone	117		Tetrachloroethene	88	
Methyl Iodide	124		Dibromochloromethane	105	
Carbon Disulfide	128		1,2-Dibromoethane (EDB)	105	
Allyl Chloride	122		Chlorobenzene	111	
Methylene Chloride	88		1,1,1,2-Tetrachloroethane	106	
Acrylonitrile	119		Ethylbenzene	110	
2-Methoxy-2-Methylpropane	95		m & p-Xylene	110	
Trans-1,2-Dichloroethene	109		o-Xylene	109	
1,1-Dichloroethane	116		Styrene	108	
2-Butanone	115		Bromoform	96	
Cis-1,2-Dichloroethene	101		Isopropylbenzene (Cumene)	117	
2,2-Dichloropropane	95		1,1,2,2-Tetrachloroethane	106	
Methyl acrylate	107		Trans-1,4-Dichloro-2-butene	104	
Methyacrylonitrile	96		1,2,3-Trichloropropane	95	
Bromochloromethane	96		Bromobenzene	99	
Chloroform	108		n-Propylbenzene	115	
Tetrahydrofuran	88		2-Chlorotoluene	110	
1,1,1-Trichloroethane	122		1,3,5-Trimethylbenzene	112	
1-Chlorobutane	132		4-Chlorotoluene	112	
1,1-Dichloropropene	118		Tert-Butylbenzene	119	
Carbon Tetrachloride	124		1,2,4-Trimethylbenzene	116	
1,2-Dichloroethane	116		Pentachloroethane	109	
Benzene	106		Sec-Butylbenzene	119	
Trichloroethene	115		p-Isopropyltoluene	117	
1,2-Dichloropropane	116		1,3-Dichlorobenzene	102	
Methyl Methacrylate	87		1,4-Dichlorobenzene	104	
Dibromomethane	115		n-Butylbenzene	118	
Bromodichloromethane	108		1,2-Dichlorobenzene	104	
2-Nitropropane	75		Hexachloroethane	104	

Authorized By: Karen Tedder

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058114 (Matrix Spike - LMX2)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: % Recovery

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	88	
1,2,4-Trichlorobenzene	102	
Hexachlorobutadiene	109	
Naphthalene	101	
1,2,3-Trichlorobenzene	102	

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	97	%
Toluene-D8	102	%
p-Bromofluorobenzene	102	%
1,2-Dichlorobenzene-D4	102	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058115

Date Received: 01/30/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	330	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	.14	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1.1		p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Kami Tedd

Release Date: 4/15/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058115

Date Received: 01/30/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	104	%
Toluene-D8	99	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	105	%

Authorized By: Pam Marti

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058115 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/04/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	20	U	Cis-1,3-Dichloropropene	21	U
Chloromethane	20	U	4-Methyl-2-Pentanone	40	U
Vinyl Chloride	20	U	1,1-Dichloropropanone	20	U
Bromomethane	20	U	Toluene	20	U
Chloroethane	20	U	Trans-1,3-Dichloropropene	19	U
Trichlorofluoromethane	20	UJ	Ethylmethacrylate	20	U
Ethyl Ether	20	U	1,1,2-Trichloroethane	20	U
1,1,2 Trichlorotrifluoroethane	20	U	1,3-Dichloropropane	20	U
1,1-Dichloroethene	20	U	2-Hexanone	20	U
Acetone	80	U	Tetrachloroethene	344	
Methyl Iodide	20	U	Dibromochloromethane	20	U
Carbon Disulfide	40	U	1,2-Dibromoethane (EDB)	20	U
Allyl Chloride	20	U	Chlorobenzene	20	U
Methylene Chloride	20	UJ	1,1,1,2-Tetrachloroethane	20	U
Acrylonitrile	20	U	Ethylbenzene	20	U
2-Methoxy-2-Methylpropane	20	U	m & p-Xylene	40	U
Trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,1-Dichloroethane	20	U	Styrene	20	U
2-Butanone	40	U	Bromoform	40	U
Cis-1,2-Dichloroethene	20	U	Isopropylbenzene (Cumene)	20	U
2,2-Dichloropropane	20	U	1,1,2,2-Tetrachloroethane	20	U
Methyl acrylate	20	U	Trans-1,4-Dichloro-2-butene	20	U
Methyacrylonitrile	20	U	1,2,3-Trichloropropane	20	U
Bromochloromethane	20	U	Bromobenzene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Tetrahydrofuran	20	U	2-Chlorotoluene	20	U
1,1,1-Trichloroethane	20	U	1,3,5-Trimethylbenzene	20	U
1-Chlorobutane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	Tert-Butylbenzene	20	U
Carbon Tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
1,2-Dichloroethane	20	U	Pentachloroethane	20	U
Benzene	20	U	Sec-Butylbenzene	20	U
Trichloroethene	20	U	p-Isopropyltoluene	20	U
1,2-Dichloropropane	20	U	1,3-Dichlorobenzene	20	U
Methyl Methacrylate	20	U	1,4-Dichlorobenzene	20	U
Dibromomethane	20	U	n-Butylbenzene	20	U
Bromodichloromethane	20	U	1,2-Dichlorobenzene	20	U
2-Nitropropane	20	U	Hexachloroethane	20	U

Authorized By: Karen Tedder

Release Date: 4/15/98

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Analysis Report for Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.	LIMS Project ID:	1072-98
Sample:	98058115 (Dilution - DIL1)	Date Received:	01/30/98
Field ID:	MW-4	Method:	SW8260
Project Officer:	Pam Marti	Matrix:	Water
		Date Analyzed:	02/04/98
		Units:	ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	40	U
1,2,4-Trichlorobenzene	20	U
Hexachlorobutadiene	20	U
Naphthalene	20	U
1,2,3-Trichlorobenzene	20	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	96	%
Toluene-D8	101	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	99	%

Authorized By: Karen Folsom

Release Date: 4/15/98

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Analysis Report for Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.			LIMS Project ID:	1072-98	
Sample:	98058116	Date Received:	01/30/98	Method:	SW8260	
Field ID:	MW-3			Matrix:	Water	
Project Officer:	Pam Marti	Date Analyzed:	02/05/98	Units:	ug/L	
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U	
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U	
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U	
Bromomethane	1	U	Toluene	1	U	
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U	
Trichlorodifluoromethane	1	UJ	Ethylmethacrylate	1	U	
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U	
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U	
1,1-Dichloroethene	1	U	2-Hexanone	1	U	
Acetone	4	U	Tetrachloroethene	860	E	
Methyl Iodide	1	U	Dibromochloromethane	1	U	
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U	
Allyl Chloride	1	U	Chlorobenzene	1	U	
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U	
Acrylonitrile	1	U	Ethylbenzene	1	U	
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U	
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U	
1,1-Dichloroethane	1	U	Styrene	1	U	
2-Butanone	2	U	Bromoform	2	U	
Cis-1,2-Dichloroethene	.22	J	Isopropylbenzene (Cumene)	1	U	
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U	
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U	
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U	
Bromochloromethane	1	U	Bromobenzene	1	U	
Chloroform	1	U	n-Propylbenzene	1	U	
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U	
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U	
1-Chlorobutane	1	U	4-Chlorotoluene	1	U	
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U	
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U	
1,2-Dichloroethane	1	U	Pentachloroethane	1	U	
Benzene	1	U	Sec-Butylbenzene	1	U	
Trichloroethene	2.4		p-Isopropyltoluene	1	U	
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U	
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U	
Dibromomethane	1	U	n-Butylbenzene	1	U	
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U	
2-Nitropropane	1	U	Hexachloroethane	1	U	

Authorized By: Karen Tedder

Release Date: 4/15/98

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058116

Date Received: 01/30/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	96	%
Toluene-D8	102	%
p-Bromofluorobenzene	97	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.			LIMS Project ID:	1072-98	
Sample:	98058116 (Dilution - DIL1)	Date Received:	01/30/98	Method:	SW8260	
Field ID:	MW-3	Matrix:	Water			
Project Officer:	Pam Marti	Date Analyzed:	02/05/98	Units:	ug/L	
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	100	U	Cis-1,3-Dichloropropene	106	U	
Chloromethane	100	U	4-Methyl-2-Pentanone	200	U	
Vinyl Chloride	100	U	1,1-Dichloropropanone	100	U	
Bromomethane	100	U	Toluene	100	U	
Chloroethane	100	U	Trans-1,3-Dichloropropene	94	U	
Trichlorofluoromethane	100	U	Ethylmethacrylate	100	U	
Ethyl Ether	100	U	1,1,2-Trichloroethane	100	U	
1,1,2 Trichlorotrifluoroethane	100	U	1,3-Dichloropropane	100	U	
1,1-Dichloroethene	100	U	2-Hexanone	100	U	
Acetone	400	U	Tetrachloroethene	811		
Methyl Iodide	100	U	Dibromochloromethane	100	U	
Carbon Disulfide	200	U	1,2-Dibromoethane (EDB)	100	U	
Allyl Chloride	100	U	Chlorobenzene	100	U	
Methylene Chloride	100	UJ	1,1,1,2-Tetrachloroethane	100	U	
Acrylonitrile	100	U	Ethylbenzene	100	U	
2-Methoxy-2-Methylpropane	100	U	m & p-Xylene	200	U	
Trans-1,2-Dichloroethene	100	U	o-Xylene	100	U	
1,1-Dichloroethane	100	U	Styrene	100	U	
2-Butanone	200	U	Bromoform	200	U	
Cis-1,2-Dichloroethene	100	U	Isopropylbenzene (Cumene)	100	U	
2,2-Dichloropropane	100	U	1,1,2,2-Tetrachloroethane	100	U	
Methyl acrylate	100	U	Trans-1,4-Dichloro-2-butene	100	U	
Methyacrylonitrile	100	U	1,2,3-Trichloropropane	100	U	
Bromochloromethane	100	U	Bromobenzene	100	U	
Chloroform	100	U	n-Propylbenzene	100	U	
Tetrahydrofuran	100	U	2-Chlorotoluene	100	U	
1,1,1-Trichloroethane	100	U	1,3,5-Trimethylbenzene	100	U	
1-Chlorobutane	100	U	4-Chlorotoluene	100	U	
1,1-Dichloropropene	100	U	Tert-Butylbenzene	100	U	
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U	
1,2-Dichloroethane	100	U	Pentachloroethane	100	U	
Benzene	100	U	Sec-Butylbenzene	100	U	
Trichloroethene	100	U	p-Isopropyltoluene	100	U	
1,2-Dichloropropane	100	U	1,3-Dichlorobenzene	100	U	
Methyl Methacrylate	100	U	1,4-Dichlorobenzene	100	U	
Dibromomethane	100	U	n-Butylbenzene	100	U	
Bromodichloromethane	100	U	1,2-Dichlorobenzene	100	U	
2-Nitropropane	100	U	Hexachloroethane	100	U	

Authorized By: Kris Zedler

Release Date: 4/15/98

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds. LIMS Project ID: 1072-98

Sample: 98058116 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	200	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	101	%
Toluene-D8	96	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	100	%

Authorized By: Karen Tedder

Release Date: 4/16/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058117

Date Received: 01/30/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	UJ	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	833	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	.26	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	2.4		p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Kai Feltner

Release Date: 4/15/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058117

Date Received: 01/30/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	95	%
Toluene-D8	102	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058117 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	100	U	Cis-1,3-Dichloropropene	106	U
Chloromethane	100	U	4-Methyl-2-Pentanone	200	U
Vinyl Chloride	100	U	1,1-Dichloropropanone	100	U
Bromomethane	100	U	Toluene	100	U
Chloroethane	100	U	Trans-1,3-Dichloropropene	94	U
Trichlorofluoromethane	100	U	Ethylmethacrylate	100	U
Ethyl Ether	100	U	1,1,2-Trichloroethane	100	U
1,1,2 Trichlorotrifluoroethane	100	U	1,3-Dichloropropane	100	U
1,1-Dichloroethene	100	U	2-Hexanone	100	U
Acetone	400	U	Tetrachloroethene	847	
Methyl Iodide	100	U	Dibromochloromethane	100	U
Carbon Disulfide	200	U	1,2-Dibromoethane (EDB)	100	U
Allyl Chloride	100	U	Chlorobenzene	100	U
Methylene Chloride	100	UJ	1,1,1,2-Tetrachloroethane	100	U
Acrylonitrile	100	U	Ethylbenzene	100	U
2-Methoxy-2-Methylpropane	100	U	m & p-Xylene	200	U
Trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,1-Dichloroethane	100	U	Styrene	100	U
2-Butanone	200	U	Bromoform	200	U
Cis-1,2-Dichloroethene	100	U	Isopropylbenzene (Cumene)	100	U
2,2-Dichloropropane	100	U	1,1,2,2-Tetrachloroethane	100	U
Methyl acrylate	100	U	Trans-1,4-Dichloro-2-butene	100	U
Methyacrylonitrile	100	U	1,2,3-Trichloropropane	100	U
Bromochloromethane	100	U	Bromobenzene	100	U
Chloroform	100	U	n-Propylbenzene	100	U
Tetrahydrofuran	100	U	2-Chlorotoluene	100	U
1,1,1-Trichloroethane	100	U	1,3,5-Trimethylbenzene	100	U
1-Chlorobutane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	Tert-Butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	100	U	Pentachloroethane	100	U
Benzene	100	U	Sec-Butylbenzene	100	U
Trichloroethene	100	U	p-Isopropyltoluene	100	U
1,2-Dichloropropane	100	U	1,3-Dichlorobenzene	100	U
Methyl Methacrylate	100	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-Butylbenzene	100	U
Bromodichloromethane	100	U	1,2-Dichlorobenzene	100	U
2-Nitropropane	100	U	Hexachloroethane	100	U

Authorized By: Karen Tedder

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058117 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	200	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	101	%
Toluene-D8	94	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	101	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058118

Date Received: 01/30/98

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	UJ	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	4	U	Tetrachloroethene	1700	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	.87	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1.6		p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Feltch

Release Date: 4/15/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058118

Date Received: 01/30/98

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	97	%
Toluene-D8	102	%
p-Bromofluorobenzene	97	%
1,2-Dichlorobenzene-D4	100	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.		LIMS Project ID:	1072-98	
Sample:	98058118 (Dilution - DIL1)	Date Received:	01/30/98	Method:	SW8260
Field ID:	MW-8			Matrix:	Water
Project Officer:	Pam Marti	Date Analyzed:	02/05/98	Units:	ug/L
Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	100	U	Cis-1,3-Dichloropropene	106	U
Chloromethane	100	U	4-Methyl-2-Pentanone	200	U
Vinyl Chloride	100	U	1,1-Dichloropropanone	100	U
Bromomethane	100	U	Toluene	100	U
Chloroethane	100	U	Trans-1,3-Dichloropropene	94	U
Trichlorofluoromethane	100	U	Ethylmethacrylate	100	U
Ethyl Ether	100	U	1,1,2-Trichloroethane	100	U
1,1,2 Trichlorotrifluoroethane	100	U	1,3-Dichloropropane	100	U
1,1-Dichloroethene	100	U	2-Hexanone	100	U
Acetone	400	U	Tetrachloroethene	1850	
Methyl Iodide	100	U	Dibromochloromethane	100	U
Carbon Disulfide	200	U	1,2-Dibromoethane (EDB)	100	U
Allyl Chloride	100	U	Chlorobenzene	100	U
Methylene Chloride	100	UJ	1,1,1,2-Tetrachloroethane	100	U
Acrylonitrile	100	U	Ethylbenzene	100	U
2-Methoxy-2-Methylpropane	100	U	m & p-Xylene	200	U
Trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,1-Dichloroethane	100	U	Styrene	100	U
2-Butanone	200	U	Bromoform	200	U
Cis-1,2-Dichloroethene	100	U	Isopropylbenzene (Cumene)	100	U
2,2-Dichloropropane	100	U	1,1,2,2-Tetrachloroethane	100	U
Methyl acrylate	100	U	Trans-1,4-Dichloro-2-butene	100	U
Methyacrylonitrile	100	U	1,2,3-Trichloropropane	100	U
Bromochloromethane	100	U	Bromobenzene	100	U
Chloroform	100	U	n-Propylbenzene	100	U
Tetrahydrofuran	100	U	2-Chlorotoluene	100	U
1,1,1-Trichloroethane	100	U	1,3,5-Trimethylbenzene	100	U
1-Chlorobutane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	Tert-Butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	100	U	Pentachloroethane	100	U
Benzene	100	U	Sec-Butylbenzene	100	U
Trichloroethene	100	U	p-Isopropyltoluene	100	U
1,2-Dichloropropane	100	U	1,3-Dichlorobenzene	100	U
Methyl Methacrylate	100	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-Butylbenzene	100	U
Bromodichloromethane	100	U	1,2-Dichlorobenzene	100	U
2-Nitropropane	100	U	Hexachloroethane	100	U

Authorized By: Karen Zedler

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058118 (Dilution - DIL1)

Date Received: 01/30/98

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	200	U
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	U
1,2,3-Trichlorobenzene	100	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	100	%
Toluene-D8	95	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	102	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058126

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSS

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	15		1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	UJ	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	10	U
Acetone	412	U	Tetrachloroethene	481	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	10	UJ	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	3.5	J	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	20	U
Cis-1,2-Dichloroethene	591		Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	350		p-Isopropyltoluene	10	
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	4.2	J
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By: Pam Marti

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058126

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSS

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	20	U
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	114	%
1,4-Difluorobenzene	97	%
Toluene-D8	102	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	100	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: BLN80711

Method: SW8260

Blank ID: OVBW8035

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 02/04/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	.072	J
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	5.3		Tetrachloroethene	1	U
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2.2	J	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	.068	J
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	.21	J	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	.28	J	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Tedder

Release Date: 4/16/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: BLN80711

Method: SW8260

Blank ID: OVBW8035

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 02/04/98

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	.076	J
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	105	%
1,4-Difluorobenzene	102	%
Toluene-D8	101	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	101	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: BLN80712

Method: SW8260

Blank ID: OVBW8036

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 02/05/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	UJ	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	3.7	J	Tetrachloroethene	1	U
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1.9	J	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	.25	J	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: K. Edd

Release Date: 4/15/98

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Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: BLN80712

Method: SW8260

Blank ID: OVBW8036

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 02/05/98

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	96	%
Toluene-D8	101	%
p-Bromofluorobenzene	96	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: Karen Zell

Release Date: 4/15/98

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: BLN80716

Method: SW8260

Blank ID: OVBW8040

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 02/09/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	.044	J
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	1	U
Acetone	3.4	J	Tetrachloroethene	.03	J
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	1.7	J	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	.022	J
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	2	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	.24	J	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Tedder

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: BLN80716

Method: SW8260

Blank ID: OVBW8040

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 02/09/98

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	2	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	116	%
1,4-Difluorobenzene	98	%
Toluene-D8	99	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	101	%

Authorized By: Karen Zedler

Release Date: 4/15/98

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Manchester Environmental Laboratory

7411 Beach Drive E, Port Orchard Washington 98366

CASE NARRATIVE

June 3, 1998

Project: Hamilton/Labree - Waters
Samples: 98188080 through 98018095
Project ID: 132098
Project Officer: Pam Marti
By: Karin Feddersen 

VOLATILE ORGANIC ANALYSIS

SUMMARY:

The data is usable as reported.

ANALYTICAL METHODS:

Volatile organic compounds were analyzed using the Manchester modification of the EPA Method 8260 purge-trap procedure with capillary GC/MS analysis. Routine QA/QC procedures were performed.

BLANKS:

No target compounds were detected in the laboratory blanks.

SURROGATES:

Surrogate recoveries were within acceptable limits for all samples.

HOLDING TIMES:

The samples were analyzed within the recommended 14 day holding time.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE:

Sample 98188093 was used for matrix spikes. All recoveries were within acceptable limits of 50 to 150% with one notable exception.

1,1-Dichloropropanone recoveries were low in both spikes. Results for this analyte are qualified as estimates in the samples.

DATA QUALIFIER CODES:

- U - The analyte was not detected at or above the reported value.
- J - The analyte was positively identified. The associated numerical value is an estimate.
- UJ - The analyte was not detected at or above the reported estimated result.
- REJ - The data are unusable for all purposes.
- NAF - Not analyzed for.
- N - There is evidence the analyte is present in the sample.
- NJ - There is evidence that the analyte is present. The associated numerical result is an estimate.
- E - This qualifier is used when the concentration of the associated value exceeds the known calibration range. The associated numerical result is an estimate.
- bold** - The analyte was present in the sample. (Visual Aid to locate detected compounds on report sheet.)

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188080

Date Received: 04/30/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	342	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	2.1		1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By:

Release Date: 6/1/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188080

Field ID: HL-3

Project Officer: Pam Marti

Date Received: 04/30/98

Method: SW8260

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	101	%
Toluene-D8	101	%
p-Bromofluorobenzene	108	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: K. Zell

Release Date: 6/2/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188080 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	25	U	4-Methyl-2-Pentanone	50	U
Chloromethane	25	U	1,1-Dichloropropanone	25	UJ
Vinyl Chloride	25	U	Toluene	25	U
Bromomethane	25	U	Trans-1,3-Dichloropropene	24	U
Chloroethane	25	U	Ethylmethacrylate	25	U
Trichlorofluoromethane	25	U	1,1,2-Trichloroethane	25	U
Ethyl Ether	25	U	1,3-Dichloropropane	25	U
1,1,2 Trichlorotrifluoroethane	25	U	2-Hexanone	50	U
1,1-Dichloroethene	25	U	Tetrachloroethylene	381	
Acetone	50	UJ	Dibromochloromethane	25	U
Methyl Iodide	25	U	1,2-Dibromoethane (EDB)	25	U
Carbon Disulfide	50	U	Chlorobenzene	25	U
Allyl Chloride	25	U	1,1,1,2-Tetrachloroethane	25	U
Methylene Chloride	50	U	Ethylbenzene	25	U
Acrylonitrile	25	U	m & p-Xylene	50	U
2-Methoxy-2-Methylpropane	25	U	o-Xylene	25	U
Trans-1,2-Dichloroethene	25	U	Styrene	25	U
1,1-Dichloroethane	25	U	Bromoform	25	U
2-Butanone	50	U	Isopropylbenzene (Cumene)	25	U
Cis-1,2-Dichloroethene	25	U	1,1,2,2-Tetrachloroethane	25	U
2,2-Dichloropropane	25	U	Trans-1,4-Dichloro-2-butene	25	U
Methyl acrylate	25	U	1,2,3-Trichloropropane	25	U
Methyacrylonitrile	25	U	Bromobenzene	25	U
Bromochloromethane	25	U	n-Propylbenzene	25	U
Chloroform	25	U	2-Chlorotoluene	25	U
Tetrahydrofuran	25	U	1,3,5-Trimethylbenzene	25	U
1,1,1-Trichloroethane	25	U	4-Chlorotoluene	25	U
1-Chlorobutane	25	U	Tert-Butylbenzene	25	U
1,1-Dichloropropene	25	U	1,2,4-Trimethylbenzene	25	U
Carbon Tetrachloride	25	U	Pentachloroethane	25	U
1,2-Dichloroethane	25	U	Sec-Butylbenzene	25	U
Benzene	25	U	p-Isopropyltoluene	25	U
Trichloroethene	25	U	1,3-Dichlorobenzene	25	U
1,2-Dichloropropane	25	U	1,4-Dichlorobenzene	25	U
Methyl Methacrylate	25	U	n-Butylbenzene	25	U
Dibromomethane	25	U	1,2-Dichlorobenzene	25	U
Bromodichloromethane	25	U	Hexachloroethane	25	U
Cis-1,3-Dichloropropene	27	U	1,2-Dibromo-3-Chloropropane	25	U

Authorized By: John F. Tardiff

Release Date: 6/2/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188080 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	25	U
Hexachlorobutadiene	25	U
Naphthalene	25	U
1,2,3-Trichlorobenzene	25	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	104	%
Toluene-D8	100	%
p-Bromofluorobenzene	104	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: M. Edd

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188081

Date Received: 04/30/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	622	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	.24	J	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	3		1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Zell

Release Date: 6/12/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188081

Date Received: 04/30/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	102	%
Toluene-D8	103	%
p-Bromofluorobenzene	106	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: P. Marti

Release Date: 6/2/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.			LIMS Project ID:	1320-98	
Sample:	98188081	(Dilution - DIL1)		Date Received:	04/30/98	Method: SW8260
Field ID:	MW-3					Matrix: Water
Project Officer:	Pam Marti			Date Analyzed:	05/07/98	Units: ug/L
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	50	U	4-Methyl-2-Pentanone	100	U	
Chloromethane	50	U	1,1-Dichloropropanone	50	UJ	
Vinyl Chloride	50	U	Toluene	50	U	
Bromomethane	50	U	Trans-1,3-Dichloropropene	47	U	
Chloroethane	50	U	Ethylmethacrylate	50	U	
Trichlorofluoromethane	50	U	1,1,2-Trichloroethane	50	U	
Ethyl Ether	50	U	1,3-Dichloropropane	50	U	
1,1,2 Trichlorotrifluoroethane	50	U	2-Hexanone	100	U	
1,1-Dichloroethene	50	U	Tetrachloroethene	1350		
Acetone	100	UJ	Dibromochloromethane	50	U	
Methyl Iodide	50	U	1,2-Dibromoethane (EDB)	50	U	
Carbon Disulfide	100	U	Chlorobenzene	50	U	
Allyl Chloride	50	U	1,1,1,2-Tetrachloroethane	50	U	
Methylene Chloride	100	U	Ethylbenzene	50	U	
Acrylonitrile	50	U	m & p-Xylene	100	U	
2-Methoxy-2-Methylpropane	50	U	o-Xylene	50	U	
Trans-1,2-Dichloroethene	50	U	Styrene	50	U	
1,1-Dichloroethane	50	U	Bromoform	50	U	
2-Butanone	100	U	Isopropylbenzene (Cumene)	50	U	
Cis-1,2-Dichloroethene	50	U	1,1,2,2-Tetrachloroethane	50	U	
2,2-Dichloropropane	50	U	Trans-1,4-Dichloro-2-butene	50	U	
Methyl acrylate	50	U	1,2,3-Trichloropropane	50	U	
Methyacrylonitrile	50	U	Bromobenzene	50	U	
Bromochloromethane	50	U	n-Propylbenzene	50	U	
Chloroform	50	U	2-Chlorotoluene	50	U	
Tetrahydrofuran	50	U	1,3,5-Trimethylbenzene	50	U	
1,1,1-Trichloroethane	50	U	4-Chlorotoluene	50	U	
1-Chlorobutane	50	U	Tert-Butylbenzene	50	U	
1,1-Dichloropropene	50	U	1,2,4-Trimethylbenzene	50	U	
Carbon Tetrachloride	50	U	Pentachloroethane	50	U	
1,2-Dichloroethane	50	U	Sec-Butylbenzene	50	U	
Benzene	50	U	p-Isopropyltoluene	50	U	
Trichloroethene	50	U	1,3-Dichlorobenzene	50	U	
1,2-Dichloropropane	50	U	1,4-Dichlorobenzene	50	U	
Methyl Methacrylate	50	U	n-Butylbenzene	50	U	
Dibromomethane	50	U	1,2-Dichlorobenzene	50	U	
Bromodichloromethane	50	U	Hexachloroethane	50	U	
Cis-1,3-Dichloropropene	53	U	1,2-Dibromo-3-Chloropropane	50	U	

Authorized By: K. Teller

Release Date: 6/12/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188081 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	102	%
Toluene-D8	102	%
p-Bromofluorobenzene	102	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: K. Todd

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188082
 Field ID: MW-3A
 Project Officer: Pam Marti

Date Received: 04/30/98 Method: SW8260
 Matrix: Water
 Date Analyzed: 05/07/98 Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	619	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	.25	J	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	2.9		1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Fiedler

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188082

Date Received: 04/30/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	114	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	106	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: K. Zell

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188082 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-3A

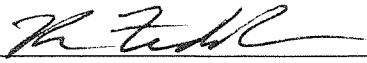
Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	50	U	4-Methyl-2-Pentanone	100	U
Chloromethane	50	U	1,1-Dichloropropanone	50	UJ
Vinyl Chloride	50	U	Toluene	50	U
Bromomethane	50	U	Trans-1,3-Dichloropropene	47	U
Chloroethane	50	U	Ethylmethacrylate	50	U
Trichlorofluoromethane	50	U	1,1,2-Trichloroethane	50	U
Ethyl Ether	50	U	1,3-Dichloropropane	50	U
1,1,2 Trichlorotrifluoroethane	50	U	2-Hexanone	100	U
1,1-Dichloroethene	50	U	Tetrachloroethene	1320	
Acetone	100	UJ	Dibromochloromethane	50	U
Methyl Iodide	50	U	1,2-Dibromoethane (EDB)	50	U
Carbon Disulfide	100	U	Chlorobenzene	50	U
Allyl Chloride	50	U	1,1,1,2-Tetrachloroethane	50	U
Methylene Chloride	100	U	Ethylbenzene	50	U
Acrylonitrile	50	U	m & p-Xylene	100	U
2-Methoxy-2-Methylpropane	50	U	o-Xylene	50	U
Trans-1,2-Dichloroethene	50	U	Styrene	50	U
1,1-Dichloroethane	50	U	Bromoform	50	U
2-Butanone	100	U	Isopropylbenzene (Cumene)	50	U
Cis-1,2-Dichloroethene	50	U	1,1,2,2-Tetrachloroethane	50	U
2,2-Dichloropropane	50	U	Trans-1,4-Dichloro-2-butene	50	U
Methyl acrylate	50	U	1,2,3-Trichloropropane	50	U
Methyacrylonitrile	50	U	Bromobenzene	50	U
Bromochloromethane	50	U	n-Propylbenzene	50	U
Chloroform	50	U	2-Chlorotoluene	50	U
Tetrahydrofuran	50	U	1,3,5-Trimethylbenzene	50	U
1,1,1-Trichloroethane	50	U	4-Chlorotoluene	50	U
1-Chlorobutane	50	U	Tert-Butylbenzene	50	U
1,1-Dichloropropene	50	U	1,2,4-Trimethylbenzene	50	U
Carbon Tetrachloride	50	U	Pentachloroethane	50	U
1,2-Dichloroethane	50	U	Sec-Butylbenzene	50	U
Benzene	50	U	p-Isopropyltoluene	50	U
Trichloroethene	50	U	1,3-Dichlorobenzene	50	U
1,2-Dichloropropane	50	U	1,4-Dichlorobenzene	50	U
Methyl Methacrylate	50	U	n-Butylbenzene	50	U
Dibromomethane	50	U	1,2-Dichlorobenzene	50	U
Bromodichloromethane	50	U	Hexachloroethane	50	U
Cis-1,3-Dichloropropene	53	U	1,2-Dibromo-3-Chloropropane	50	U

Authorized By: 

Release Date: 6/3/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.	LIMS Project ID:	1320-98
Sample:	98188082 (Dilution - DIL1)	Date Received:	04/30/98
Field ID:	MW-3A	Method:	SW8260
Project Officer:	Pam Marti	Matrix:	Water
		Units:	ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	103	%
Toluene-D8	100	%
p-Bromofluorobenzene	105	%
1,2-Dichlorobenzene-D4	106	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188083

Date Received: 04/30/98

Method: SW8260

Field ID: MW-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	7	
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: M. Tiede

Release Date: 6/13/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188083

Date Received: 04/30/98

Method: SW8260

Field ID: MW-5

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	103	%
Toluene-D8	105	%
p-Bromofluorobenzene	104	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: K. Tidwell

Release Date: 6/3/98

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Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188084

Date Received: 04/30/98

Method: SW8260

Field ID: MW-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	1.8	
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By:

Release Date: 6/13/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188084

Date Received: 04/30/98

Method: SW8260

Field ID: MW-7

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	100	%
Toluene-D8	104	%
p-Bromofluorobenzene	103	%
1,2-Dichlorobenzene-D4	106	%

Authorized By: K. Zehn

Release Date: 6/13/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188085

Date Received: 04/30/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	324	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1.3		1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Fitch

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188085

Date Received: 04/30/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	114	%
1,4-Difluorobenzene	103	%
Toluene-D8	101	%
p-Bromofluorobenzene	102	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: K. Foll

Release Date: 6/13/98

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188085 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	25	U	4-Methyl-2-Pentanone	50	U
Chloromethane	25	U	1,1-Dichloropropanone	25	UJ
Vinyl Chloride	25	U	Toluene	25	U
Bromomethane	25	U	Trans-1,3-Dichloropropene	24	U
Chloroethane	25	U	Ethylmethacrylate	25	U
Trichlorofluoromethane	25	U	1,1,2-Trichloroethane	25	U
Ethyl Ether	25	U	1,3-Dichloropropane	25	U
1,1,2 Trichlorotrifluoroethane	25	U	2-Hexanone	50	U
1,1-Dichloroethene	25	U	Tetrachloroethene	396	
Acetone	50	UJ	Dibromochloromethane	25	U
Methyl Iodide	25	U	1,2-Dibromoethane (EDB)	25	U
Carbon Disulfide	50	U	Chlorobenzene	25	U
Allyl Chloride	25	U	1,1,1,2-Tetrachloroethane	25	U
Methylene Chloride	50	U	Ethylbenzene	25	U
Acrylonitrile	25	U	m & p-Xylene	50	U
2-Methoxy-2-Methylpropane	25	U	o-Xylene	25	U
Trans-1,2-Dichloroethene	25	U	Styrene	25	U
1,1-Dichloroethane	25	U	Bromoform	25	U
2-Butanone	50	U	Isopropylbenzene (Cumene)	25	U
Cis-1,2-Dichloroethene	25	U	1,1,2,2-Tetrachloroethane	25	U
2,2-Dichloropropane	25	U	Trans-1,4-Dichloro-2-butene	25	U
Methyl acrylate	25	U	1,2,3-Trichloropropane	25	U
Methyacrylonitrile	25	U	Bromobenzene	25	U
Bromochloromethane	25	U	n-Propylbenzene	25	U
Chloroform	25	U	2-Chlorotoluene	25	U
Tetrahydrofuran	25	U	1,3,5-Trimethylbenzene	25	U
1,1,1-Trichloroethane	25	U	4-Chlorotoluene	25	U
1-Chlorobutane	25	U	Tert-Butylbenzene	25	U
1,1-Dichloropropene	25	U	1,2,4-Trimethylbenzene	25	U
Carbon Tetrachloride	25	U	Pentachloroethane	25	U
1,2-Dichloroethane	25	U	Sec-Butylbenzene	25	U
Benzene	25	U	p-Isopropyltoluene	25	U
Trichloroethene	25	U	1,3-Dichlorobenzene	25	U
1,2-Dichloropropane	25	U	1,4-Dichlorobenzene	25	U
Methyl Methacrylate	25	U	n-Butylbenzene	25	U
Dibromomethane	25	U	1,2-Dichlorobenzene	25	U
Bromodichloromethane	25	U	Hexachloroethane	25	U
Cis-1,3-Dichloropropene	27	U	1,2-Dibromo-3-Chloropropane	25	U

Authorized By: K. Ladd

Release Date: 6/3/88

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188085 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	25	U
Hexachlorobutadiene	25	U
Naphthalene	25	U
1,2,3-Trichlorobenzene	25	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	103	%
Toluene-D8	100	%
p-Bromofluorobenzene	102	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. E. Marti

Release Date: 6/13/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188086

Date Received: 04/30/98

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	.87	J
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Hall

Release Date: 6/13/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188086

Date Received: 04/30/98

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	101	%
Toluene-D8	101	%
p-Bromofluorobenzene	103	%
1,2-Dichlorobenzene-D4	103	%

Authorized By:

Release Date: 6/3/98

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Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188087

Date Received: 04/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	174	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Teller

Release Date: 6/3/EP

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188087

Date Received: 04/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	102	%
Toluene-D8	102	%
p-Bromofluorobenzene	100	%
1,2-Dichlorobenzene-D4	106	%

Authorized By:

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188087 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	4-Methyl-2-Pentanone	20	U
Chloromethane	10	U	1,1-Dichloropropanone	10	UJ
Vinyl Chloride	10	U	Toluene	10	U
Bromomethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Chloroethane	10	U	Ethylmethacrylate	10	U
Trichlorofluoromethane	10	U	1,1,2-Trichloroethane	10	U
Ethyl Ether	10	U	1,3-Dichloropropane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	2-Hexanone	20	U
1,1-Dichloroethene	10	U	Tetrachloroethene	170	
Acetone	20	UJ	Dibromochloromethane	10	U
Methyl Iodide	10	U	1,2-Dibromoethane (EDB)	10	U
Carbon Disulfide	20	U	Chlorobenzene	10	U
Allyl Chloride	10	U	1,1,1,2-Tetrachloroethane	10	U
Methylene Chloride	20	U	Ethylbenzene	10	U
Acrylonitrile	10	U	m & p-Xylene	20	U
2-Methoxy-2-Methylpropane	10	U	o-Xylene	10	U
Trans-1,2-Dichloroethene	10	U	Styrene	10	U
1,1-Dichloroethane	10	U	Bromoform	10	U
2-Butanone	20	U	Isopropylbenzene (Cumene)	10	U
Cis-1,2-Dichloroethene	10	U	1,1,2,2-Tetrachloroethane	10	U
2,2-Dichloropropane	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyl acrylate	10	U	1,2,3-Trichloropropane	10	U
Methyacrylonitrile	10	U	Bromobenzene	10	U
Bromochloromethane	10	U	n-Propylbenzene	10	U
Chloroform	10	U	2-Chlorotoluene	10	U
Tetrahydrofuran	10	U	1,3,5-Trimethylbenzene	10	U
1,1,1-Trichloroethane	10	U	4-Chlorotoluene	10	U
1-Chlorobutane	10	U	Tert-Butylbenzene	10	U
1,1-Dichloropropene	10	U	1,2,4-Trimethylbenzene	10	U
Carbon Tetrachloride	10	U	Pentachloroethane	10	U
1,2-Dichloroethane	10	U	Sec-Butylbenzene	10	U
Benzene	10	U	p-Isopropyltoluene	10	U
Trichloroethene	10	U	1,3-Dichlorobenzene	10	U
1,2-Dichloropropane	10	U	1,4-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	n-Butylbenzene	10	U
Dibromomethane	10	U	1,2-Dichlorobenzene	10	U
Bromodichloromethane	10	U	Hexachloroethane	10	U
Cis-1,3-Dichloropropene	11	U	1,2-Dibromo-3-Chloropropane	10	U

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188087 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	103	%
Toluene-D8	102	%
p-Bromofluorobenzene	102	%
1,2-Dichlorobenzene-D4	101	%

Authorized By:

Release Date: 6/3/98

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Manchester Environmental Laboratory

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Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.		LIMS Project ID:	1320-98	
Sample:	98188088		Date Received:	04/30/98	Method: SW8260
Field ID:	MW-2		Matrix:	Water	
Project Officer:	Pam Marti		Date Analyzed:	05/07/98	Units: ug/L
Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	226	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Todd

Release Date: 6/3/98

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188088

Date Received: 04/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	102	%
Toluene-D8	100	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	103	%

Authorized By:

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188088 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	25	U	4-Methyl-2-Pentanone	50	U
Chloromethane	25	U	1,1-Dichloropropanone	25	UJ
Vinyl Chloride	25	U	Toluene	25	U
Bromomethane	25	U	Trans-1,3-Dichloropropene	24	U
Chloroethane	25	U	Ethylmethacrylate	25	U
Trichlorofluoromethane	25	U	1,1,2-Trichloroethane	25	U
Ethyl Ether	25	U	1,3-Dichloropropane	25	U
1,1,2 Trichlorotrifluoroethane	25	U	2-Hexanone	50	U
1,1-Dichloroethene	25	U	Tetrachloroethene	229	
Acetone	50	UJ	Dibromochloromethane	25	U
Methyl Iodide	25	U	1,2-Dibromoethane (EDB)	25	U
Carbon Disulfide	50	U	Chlorobenzene	25	U
Allyl Chloride	25	U	1,1,1,2-Tetrachloroethane	25	U
Methylene Chloride	50	U	Ethylbenzene	25	U
Acrylonitrile	25	U	m & p-Xylene	50	U
2-Methoxy-2-Methylpropane	25	U	o-Xylene	25	U
Trans-1,2-Dichloroethene	25	U	Styrene	25	U
1,1-Dichloroethane	25	U	Bromoform	25	U
2-Butanone	50	U	Isopropylbenzene (Cumene)	25	U
Cis-1,2-Dichloroethene	25	U	1,1,2,2-Tetrachloroethane	25	U
2,2-Dichloropropane	25	U	Trans-1,4-Dichloro-2-butene	25	U
Methyl acrylate	25	U	1,2,3-Trichloropropane	25	U
Methyacrylonitrile	25	U	Bromobenzene	25	U
Bromochloromethane	25	U	n-Propylbenzene	25	U
Chloroform	25	U	2-Chlorotoluene	25	U
Tetrahydrofuran	25	U	1,3,5-Trimethylbenzene	25	U
1,1,1-Trichloroethane	25	U	4-Chlorotoluene	25	U
1-Chlorobutane	25	U	Tert-Butylbenzene	25	U
1,1-Dichloropropene	25	U	1,2,4-Trimethylbenzene	25	U
Carbon Tetrachloride	25	U	Pentachloroethane	25	U
1,2-Dichloroethane	25	U	Sec-Butylbenzene	25	U
Benzene	25	U	p-Isopropyltoluene	25	U
Trichloroethene	25	U	1,3-Dichlorobenzene	25	U
1,2-Dichloropropane	25	U	1,4-Dichlorobenzene	25	U
Methyl Methacrylate	25	U	n-Butylbenzene	25	U
Dibromomethane	25	U	1,2-Dichlorobenzene	25	U
Bromodichloromethane	25	U	Hexachloroethane	25	U
Cis-1,3-Dichloropropene	27	U	1,2-Dibromo-3-Chloropropane	25	U

Authorized By:

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188088 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/07/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	25	U
Hexachlorobutadiene	25	U
Naphthalene	25	U
1,2,3-Trichlorobenzene	25	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	102	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. Hall

Release Date: 6/3/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188089

Date Received: 04/30/98

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/08

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	759	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	.61	J	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1.5		1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Testl

Release Date: 6/3/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188089

Date Received: 04/30/98

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/08

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	103	%
Toluene-D8	99	%
p-Bromofluorobenzene	100	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: K. Tidwell

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188089 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/11/08

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	50	U	4-Methyl-2-Pentanone	100	U
Chloromethane	50	U	1,1-Dichloropropanone	50	UJ
Vinyl Chloride	50	U	Toluene	50	U
Bromomethane	50	U	Trans-1,3-Dichloropropene	47	U
Chloroethane	50	U	Ethylmethacrylate	50	U
Trichlorofluoromethane	50	U	1,1,2-Trichloroethane	50	U
Ethyl Ether	50	U	1,3-Dichloropropane	50	U
1,1,2 Trichlorotrifluoroethane	50	U	2-Hexanone	100	U
1,1-Dichloroethene	50	U	Tetrachloroethene	2000	
Acetone	100	UJ	Dibromochloromethane	50	U
Methyl Iodide	50	U	1,2-Dibromoethane (EDB)	50	U
Carbon Disulfide	100	U	Chlorobenzene	50	U
Allyl Chloride	50	U	1,1,1,2-Tetrachloroethane	50	U
Methylene Chloride	100	U	Ethylbenzene	50	U
Acrylonitrile	50	U	m & p-Xylene	100	U
2-Methoxy-2-Methylpropane	50	U	o-Xylene	50	U
Trans-1,2-Dichloroethene	50	U	Styrene	50	U
1,1-Dichloroethane	50	U	Bromoform	50	U
2-Butanone	100	U	Isopropylbenzene (Cumene)	50	U
Cis-1,2-Dichloroethene	50	U	1,1,2,2-Tetrachloroethane	50	U
2,2-Dichloropropane	50	U	Trans-1,4-Dichloro-2-butene	50	U
Methyl acrylate	50	U	1,2,3-Trichloropropane	50	U
Methyacrylonitrile	50	U	Bromobenzene	50	U
Bromochloromethane	50	U	n-Propylbenzene	50	U
Chloroform	50	U	2-Chlorotoluene	50	U
Tetrahydrofuran	50	U	1,3,5-Trimethylbenzene	50	U
1,1,1-Trichloroethane	50	U	4-Chlorotoluene	50	U
1-Chlorobutane	50	U	Tert-Butylbenzene	50	U
1,1-Dichloropropene	50	U	1,2,4-Trimethylbenzene	50	U
Carbon Tetrachloride	50	U	Pentachloroethane	50	U
1,2-Dichloroethane	50	U	Sec-Butylbenzene	50	U
Benzene	50	U	p-Isopropyltoluene	50	U
Trichloroethene	50	U	1,3-Dichlorobenzene	50	U
1,2-Dichloropropane	50	U	1,4-Dichlorobenzene	50	U
Methyl Methacrylate	50	U	n-Butylbenzene	50	U
Dibromomethane	50	U	1,2-Dichlorobenzene	50	U
Bromodichloromethane	50	U	Hexachloroethane	50	U
Cis-1,3-Dichloropropene	53	U	1,2-Dibromo-3-Chloropropane	50	U

Authorized By: 

Release Date: 6/13/18

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188089 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: MW-8

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/11/08

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	115	%
1,4-Difluorobenzene	107	%
Toluene-D8	101	%
p-Bromofluorobenzene	100	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. Teller

Release Date: 6/3/08

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188090

Date Received: 04/30/98

Method: SW8260

Field ID: HL-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	11	
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By:

Release Date: 6/18/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188090

Date Received: 04/30/98

Method: SW8260

Field ID: HL-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	102	%
Toluene-D8	101	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	105	%

Authorized By:

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188091

Date Received: 04/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	460	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methyoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	.81	J	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Tabb

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188091

Date Received: 04/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	105	%
Toluene-D8	97	%
p-Bromofluorobenzene	98	%
1,2-Dichlorobenzene-D4	99	%

Authorized By:

Release Date:

6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188091 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/11/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	50	U	4-Methyl-2-Pentanone	100	U
Chloromethane	50	U	1,1-Dichloropropanone	50	UJ
Vinyl Chloride	50	U	Toluene	50	U
Bromomethane	50	U	Trans-1,3-Dichloropropene	47	U
Chloroethane	50	U	Ethylmethacrylate	50	U
Trichlorofluoromethane	50	U	1,1,2-Trichloroethane	50	U
Ethyl Ether	50	U	1,3-Dichloropropane	50	U
1,1,2 Trichlorotrifluoroethane	50	U	2-Hexanone	100	U
1,1-Dichloroethene	50	U	Tetrachloroethene	762	
Acetone	100	UJ	Dibromochloromethane	50	U
Methyl Iodide	50	U	1,2-Dibromoethane (EDB)	50	U
Carbon Disulfide	100	U	Chlorobenzene	50	U
Allyl Chloride	50	U	1,1,1,2-Tetrachloroethane	50	U
Methylene Chloride	100	U	Ethylbenzene	50	U
Acrylonitrile	50	U	m & p-Xylene	100	U
2-Methoxy-2-Methylpropane	50	U	o-Xylene	50	U
Trans-1,2-Dichloroethene	50	U	Styrene	50	U
1,1-Dichloroethane	50	U	Bromoform	50	U
2-Butanone	100	U	Isopropylbenzene (Cumene)	50	U
Cis-1,2-Dichloroethene	50	U	1,1,2,2-Tetrachloroethane	50	U
2,2-Dichloropropane	50	U	Trans-1,4-Dichloro-2-butene	50	U
Methyl acrylate	50	U	1,2,3-Trichloropropane	50	U
Methyacrylonitrile	50	U	Bromobenzene	50	U
Bromochloromethane	50	U	n-Propylbenzene	50	U
Chloroform	50	U	2-Chlorotoluene	50	U
Tetrahydrofuran	50	U	1,3,5-Trimethylbenzene	50	U
1,1,1-Trichloroethane	50	U	4-Chlorotoluene	50	U
1-Chlorobutane	50	U	Tert-Butylbenzene	50	U
1,1-Dichloropropene	50	U	1,2,4-Trimethylbenzene	50	U
Carbon Tetrachloride	50	U	Pentachloroethane	50	U
1,2-Dichloroethane	50	U	Sec-Butylbenzene	50	U
Benzene	50	U	p-Isopropyltoluene	50	U
Trichloroethene	50	U	1,3-Dichlorobenzene	50	U
1,2-Dichloropropane	50	U	1,4-Dichlorobenzene	50	U
Methyl Methacrylate	50	U	n-Butylbenzene	50	U
Dibromomethane	50	U	1,2-Dichlorobenzene	50	U
Bromodichloromethane	50	U	Hexachloroethane	50	U
Cis-1,3-Dichloropropene	53	U	1,2-Dibromo-3-Chloropropane	50	U

Authorized By:

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188091 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	114	%
1,4-Difluorobenzene	105	%
Toluene-D8	102	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	1033	%

Authorized By: M. Teller

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188092

Date Received: 04/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	219	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	.32	J	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	.3	J	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By:

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188092

Date Received: 04/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	110	%
1,4-Difluorobenzene	103	%
Toluene-D8	100	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	100	%

Authorized By: K. Hill

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188092 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/11/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	25	U	4-Methyl-2-Pentanone	50	U
Chloromethane	25	U	1,1-Dichloropropanone	25	UJ
Vinyl Chloride	25	U	Toluene	25	U
Bromomethane	25	U	Trans-1,3-Dichloropropene	24	U
Chloroethane	25	U	Ethylmethacrylate	25	U
Trichlorofluoromethane	25	U	1,1,2-Trichloroethane	25	U
Ethyl Ether	25	U	1,3-Dichloropropane	25	U
1,1,2 Trichlorotrifluoroethane	25	U	2-Hexanone	50	U
1,1-Dichloroethene	25	U	Tetrachloroethene	242	
Acetone	50	UJ	Dibromochloromethane	25	U
Methyl Iodide	25	U	1,2-Dibromoethane (EDB)	25	U
Carbon Disulfide	50	U	Chlorobenzene	25	U
Allyl Chloride	25	U	1,1,1,2-Tetrachloroethane	25	U
Methylene Chloride	50	U	Ethylbenzene	25	U
Acrylonitrile	25	U	m & p-Xylene	50	U
2-Methoxy-2-Methylpropane	25	U	o-Xylene	25	U
Trans-1,2-Dichloroethene	25	U	Styrene	25	U
1,1-Dichloroethane	25	U	Bromoform	25	U
2-Butanone	50	U	Isopropylbenzene (Cumene)	25	U
Cis-1,2-Dichloroethene	25	U	1,1,2,2-Tetrachloroethane	25	U
2,2-Dichloropropane	25	U	Trans-1,4-Dichloro-2-butene	25	U
Methyl acrylate	25	U	1,2,3-Trichloropropane	25	U
Methyacrylonitrile	25	U	Bromobenzene	25	U
Bromochloromethane	25	U	n-Propylbenzene	25	U
Chloroform	25	U	2-Chlorotoluene	25	U
Tetrahydrofuran	25	U	1,3,5-Trimethylbenzene	25	U
1,1,1-Trichloroethane	25	U	4-Chlorotoluene	25	U
1-Chlorobutane	25	U	Tert-Butylbenzene	25	U
1,1-Dichloropropene	25	U	1,2,4-Trimethylbenzene	25	U
Carbon Tetrachloride	25	U	Pentachloroethane	25	U
1,2-Dichloroethane	25	U	Sec-Butylbenzene	25	U
Benzene	25	U	p-Isopropyltoluene	25	U
Trichloroethene	25	U	1,3-Dichlorobenzene	25	U
1,2-Dichloropropane	25	U	1,4-Dichlorobenzene	25	U
Methyl Methacrylate	25	U	n-Butylbenzene	25	U
Dibromomethane	25	U	1,2-Dichlorobenzene	25	U
Bromodichloromethane	25	U	Hexachloroethane	25	U
Cis-1,3-Dichloropropene	27	U	1,2-Dibromo-3-Chloropropane	25	U

Authorized By: K. Estell

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188092 (Dilution - DILL)

Date Received: 04/30/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/11/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	25	U
Hexachlorobutadiene	25	U
Naphthalene	25	U
1,2,3-Trichlorobenzene	25	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	105	%
Toluene-D8	98	%
p-Bromofluorobenzene	103	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: K. Furtach

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093

Date Received: 04/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	95	E
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	.33	J	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	.87	J	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Tedd

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093

Date Received: 04/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	103	%
Toluene-D8	100	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. Teller

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093 (Dilution - DIL1)

Date Received: 04/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/11/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	4-Methyl-2-Pentanone	20	U
Chloromethane	10	U	1,1-Dichloropropanone	10	UJ
Vinyl Chloride	10	U	Toluene	10	U
Bromomethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Chloroethane	10	U	Ethylmethacrylate	10	U
Trichlorofluoromethane	10	U	1,1,2-Trichloroethane	10	U
Ethyl Ether	10	U	1,3-Dichloropropane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	2-Hexanone	20	U
1,1-Dichloroethene	10	U	Tetrachloroethene	87	
Acetone	20	UJ	Dibromochloromethane	10	U
Methyl Iodide	10	U	1,2-Dibromoethane (EDB)	10	U
Carbon Disulfide	20	U	Chlorobenzene	10	U
Allyl Chloride	10	U	1,1,1,2-Tetrachloroethane	10	U
Methylene Chloride	20	U	Ethylbenzene	10	U
Acrylonitrile	10	U	m & p-Xylene	20	U
2-Methoxy-2-Methylpropane	10	U	o-Xylene	10	U
Trans-1,2-Dichloroethene	10	U	Styrene	10	U
1,1-Dichloroethane	10	U	Bromoform	10	U
2-Butanone	20	U	Isopropylbenzene (Cumene)	10	U
Cis-1,2-Dichloroethene	10	U	1,1,2,2-Tetrachloroethane	10	U
2,2-Dichloropropane	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyl acrylate	10	U	1,2,3-Trichloropropane	10	U
Methyacrylonitrile	10	U	Bromobenzene	10	U
Bromochloromethane	10	U	n-Propylbenzene	10	U
Chloroform	10	U	2-Chlorotoluene	10	U
Tetrahydrofuran	10	U	1,3,5-Trimethylbenzene	10	U
1,1,1-Trichloroethane	10	U	4-Chlorotoluene	10	U
1-Chlorobutane	10	U	Tert-Butylbenzene	10	U
1,1-Dichloropropene	10	U	1,2,4-Trimethylbenzene	10	U
Carbon Tetrachloride	10	U	Pentachloroethane	10	U
1,2-Dichloroethane	10	U	Sec-Butylbenzene	10	U
Benzene	10	U	p-Isopropyltoluene	10	U
Trichloroethene	10	U	1,3-Dichlorobenzene	10	U
1,2-Dichloropropane	10	U	1,4-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	n-Butylbenzene	10	U
Dibromomethane	10	U	1,2-Dichlorobenzene	10	U
Bromodichloromethane	10	U	Hexachloroethane	10	U
Cis-1,3-Dichloropropene	11	U	1,2-Dibromo-3-Chloropropane	10	U

Authorized By: K. Hall

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093 (Dilution - DIL1)

Date Received: 04/30/98

Field ID: HL-2

Method: SW8260

Project Officer: Pam Marti

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	103	%
Toluene-D8	101	%
p-Bromofluorobenzene	100	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. Tschirhart

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093 (Matrix Spike - LMX1) **Date Received:** 04/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Units: % Recovery

Date Analyzed: 05/11/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	102		4-Methyl-2-Pentanone	77	
Chloromethane	101		1,1-Dichloropropanone	40	
Vinyl Chloride	99		Toluene	94	
Bromomethane	97		Trans-1,3-Dichloropropene	78	
Chloroethane	98		Ethylmethacrylate	81	
Trichlorofluoromethane	92		1,1,2-Trichloroethane	97	
Ethyl Ether	101		1,3-Dichloropropane	91	
1,1,2 Trichlorotrifluoroethane	113		2-Hexanone	75	
1,1-Dichloroethene	101		Tetrachloroethene	101	
Acetone	54		Dibromochloromethane	91	
Methyl Iodide	95		1,2-Dibromoethane (EDB)	94	
Carbon Disulfide	97		Chlorobenzene	99	
Allyl Chloride	91		1,1,1,2-Tetrachloroethane	91	
Methylene Chloride	71		Ethylbenzene	97	
Acrylonitrile	85		m & p-Xylene	99	
2-Methoxy-2-Methylpropane	99		o-Xylene	97	
Trans-1,2-Dichloroethene	103		Styrene	95	
1,1-Dichloroethane	98		Bromoform	84	
2-Butanone	87		Isopropylbenzene (Cumene)	96	
Cis-1,2-Dichloroethene	96		1,1,2,2-Tetrachloroethane	90	
2,2-Dichloropropane	100		Trans-1,4-Dichloro-2-butene	71	
Methyl acrylate	80		1,2,3-Trichloropropane	90	
Methyacrylonitrile	84		Bromobenzene	95	
Bromochloromethane	103		n-Propylbenzene	91	
Chloroform	106		2-Chlorotoluene	95	
Tetrahydrofuran	71		1,3,5-Trimethylbenzene	96	
1,1,1-Trichloroethane	101		4-Chlorotoluene	93	
1-Chlorobutane	91		Tert-Butylbenzene	97	
1,1-Dichloropropene	92		1,2,4-Trimethylbenzene	96	
Carbon Tetrachloride	90		Pentachloroethane	82	
1,2-Dichloroethane	102		Sec-Butylbenzene	95	
Benzene	90		p-Isopropyltoluene	96	
Trichloroethene	100		1,3-Dichlorobenzene	101	
1,2-Dichloropropane	85		1,4-Dichlorobenzene	98	
Methyl Methacrylate	83		n-Butylbenzene	96	
Dibromomethane	95		1,2-Dichlorobenzene	96	
Bromodichloromethane	94		Hexachloroethane	75	
Cis-1,3-Dichloropropene	89		1,2-Dibromo-3-Chloropropane	82	

Authorized By: M. Tabb

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093 (Matrix Spike - LMX1) Date Received: 04/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Units: % Recovery

Date Analyzed: 05/11/98

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	92	
Hexachlorobutadiene	106	
Naphthalene	86	
1,2,3-Trichlorobenzene	96	

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	105	%
Toluene-D8	102	%
p-Bromofluorobenzene	106	%
1,2-Dichlorobenzene-D4	101	%

Authorized By: K. Full

Release Date: 6/13/98

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Manchester Environmental Laboratory

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093 (**Matrix Spike - LMX2**) **Date Received:** 04/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Units: % Recovery

Date Analyzed: 05/11/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	113		4-Methyl-2-Pentanone	78	
Chloromethane	99		1,1-Dichloropropanone	40	
Vinyl Chloride	106		Toluene	96	
Bromomethane	104		Trans-1,3-Dichloropropene	77	
Chloroethane	108		Ethylmethacrylate	83	
Trichlorofluoromethane	84		1,1,2-Trichloroethane	92	
Ethyl Ether	99		1,3-Dichloropropane	96	
1,1,2 Trichlorotrifluoroethane	120		2-Hexanone	77	
1,1-Dichloroethene	108		Tetrachloroethene	104	
Acetone	59		Dibromochloromethane	91	
Methyl Iodide	98		1,2-Dibromoethane (EDB)	96	
Carbon Disulfide	101		Chlorobenzene	100	
Allyl Chloride	93		1,1,1,2-Tetrachloroethane	93	
Methylene Chloride	74		Ethylbenzene	97	
Acrylonitrile	88		m & p-Xylene	101	
2-Methoxy-2-Methylpropane	99		o-Xylene	96	
Trans-1,2-Dichloroethene	105		Styrene	100	
1,1-Dichloroethane	103		Bromoform	84	
2-Butanone	95		Isopropylbenzene (Cumene)	95	
Cis-1,2-Dichloroethene	104		1,1,2,2-Tetrachloroethane	89	
2,2-Dichloropropane	105		Trans-1,4-Dichloro-2-butene	72	
Methyl acrylate	85		1,2,3-Trichloropropane	91	
Methyacrylonitrile	91		Bromobenzene	98	
Bromochloromethane	104		n-Propylbenzene	93	
Chloroform	110		2-Chlorotoluene	97	
Tetrahydrofuran	70		1,3,5-Trimethylbenzene	97	
1,1,1-Trichloroethane	106		4-Chlorotoluene	96	
1-Chlorobutane	95		Tert-Butylbenzene	98	
1,1-Dichloropropene	97		1,2,4-Trimethylbenzene	97	
Carbon Tetrachloride	94		Pentachloroethane	81	
1,2-Dichloroethane	108		Sec-Butylbenzene	98	
Benzene	92		p-Isopropyltoluene	100	
Trichloroethene	103		1,3-Dichlorobenzene	101	
1,2-Dichloropropane	88		1,4-Dichlorobenzene	101	
Methyl Methacrylate	86		n-Butylbenzene	98	
Dibromomethane	95		1,2-Dichlorobenzene	98	
Bromodichloromethane	97		Hexachloroethane	76	
Cis-1,3-Dichloropropene	91		1,2-Dibromo-3-Chloropropane	83	

Authorized By: K. Teller

Release Date: 6/3/98

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Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188093 (Matrix Spike - LMX2) Date Received: 04/30/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Units: % Recovery

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	98	
Hexachlorobutadiene	114	
Naphthalene	89	
1,2,3-Trichlorobenzene	99	

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	98	
Hexachlorobutadiene	114	
Naphthalene	89	
1,2,3-Trichlorobenzene	99	

Surrogate Recoveries

1,2-Dichloroethane-D4	115	%
1,4-Difluorobenzene	103	%
Toluene-D8	100	%
p-Bromofluorobenzene	103	%
1,2-Dichlorobenzene-D4	100	%

Authorized By: M. Teller

Release Date: 6/3/98

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Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188094

Date Received: 04/30/98

Method: SW8260

Field ID: HL-9(INF)

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	13	
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	44		2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	2.5		Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Teller

Release Date: 6/18/98

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Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188094

Date Received: 04/30/98

Method: SW8260

Field ID: HL-9(INF)

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 05/08/98

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	112	%
1,4-Difluorobenzene	105	%
Toluene-D8	100	%
p-Bromofluorobenzene	101	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: K. Felt

Release Date: 6/13/98

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Manchester Environmental Laboratory

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188095

Date Received: 04/30/98

Method: SW8260

Field ID: BERSW1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	16	
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1.2		1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	.98	J	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Edd

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: 98188095

Date Received: 04/30/98

Method: SW8260

Field ID: BERSW1

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	103	%
Toluene-D8	99	%
p-Bromofluorobenzene	100	%
1,2-Dichlorobenzene-D4	105	%

Authorized By:



Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: ODBW8127

Method: SW8260

Project Officer: Pam Marti

Matrix: Water

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	1	U
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: K. Felt

Release Date: 6/2/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: ODBW8127

Method: SW8260

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	113	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	103	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: K. Tell

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: ODBW8128

Method: SW8260

Project Officer: Pam Marti

Matrix: Water

Units: ug/L

Date Analyzed: 05/08/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	1	U
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethene	1	U
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By:

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: ODBW8128

Method: SW8260

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	109	%
1,4-Difluorobenzene	101	%
Toluene-D8	103	%
p-Bromofluorobenzene	100	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. Tull

Release Date: 6/3/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: ODBW8131

Method: SW8260

Project Officer: Pam Marti

Date Analyzed: 05/08/98

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	4-Methyl-2-Pentanone	2	U
Chloromethane	1	U	1,1-Dichloropropanone	1	UJ
Vinyl Chloride	1	U	Toluene	.03	J
Bromomethane	1	U	Trans-1,3-Dichloropropene	.94	U
Chloroethane	1	U	Ethylmethacrylate	1	U
Trichlorofluoromethane	1	U	1,1,2-Trichloroethane	1	U
Ethyl Ether	1	U	1,3-Dichloropropane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	2-Hexanone	2	U
1,1-Dichloroethene	1	U	Tetrachloroethylene	.075	J
Acetone	2	UJ	Dibromochloromethane	1	U
Methyl Iodide	1	U	1,2-Dibromoethane (EDB)	1	U
Carbon Disulfide	2	U	Chlorobenzene	1	U
Allyl Chloride	1	U	1,1,1,2-Tetrachloroethane	1	U
Methylene Chloride	2	U	Ethylbenzene	1	U
Acrylonitrile	1	U	m & p-Xylene	2	U
2-Methoxy-2-Methylpropane	1	U	o-Xylene	1	U
Trans-1,2-Dichloroethene	1	U	Styrene	1	U
1,1-Dichloroethane	1	U	Bromoform	1	U
2-Butanone	2	U	Isopropylbenzene (Cumene)	1	U
Cis-1,2-Dichloroethene	1	U	1,1,2,2-Tetrachloroethane	1	U
2,2-Dichloropropane	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyl acrylate	1	U	1,2,3-Trichloropropane	1	U
Methyacrylonitrile	1	U	Bromobenzene	1	U
Bromochloromethane	1	U	n-Propylbenzene	1	U
Chloroform	1	U	2-Chlorotoluene	1	U
Tetrahydrofuran	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1-Chlorobutane	1	U	Tert-Butylbenzene	1	U
1,1-Dichloropropene	1	U	1,2,4-Trimethylbenzene	1	U
Carbon Tetrachloride	1	U	Pentachloroethane	1	U
1,2-Dichloroethane	1	U	Sec-Butylbenzene	1	U
Benzene	1	U	p-Isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	n-Butylbenzene	1	U
Dibromomethane	1	U	1,2-Dichlorobenzene	1	U
Bromodichloromethane	1	U	Hexachloroethane	1	U
Cis-1,3-Dichloropropene	1.1	U	1,2-Dibromo-3-Chloropropane	1	U

Authorized By: M. Felt

Release Date: 6/13/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1320-98

Sample: ODBW8131

Method: SW8260

Project Officer: Pam Marti

Matrix: Water

Date Analyzed: 05/08/98

Units: ug/L

Analyte	Result	Qualifier
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

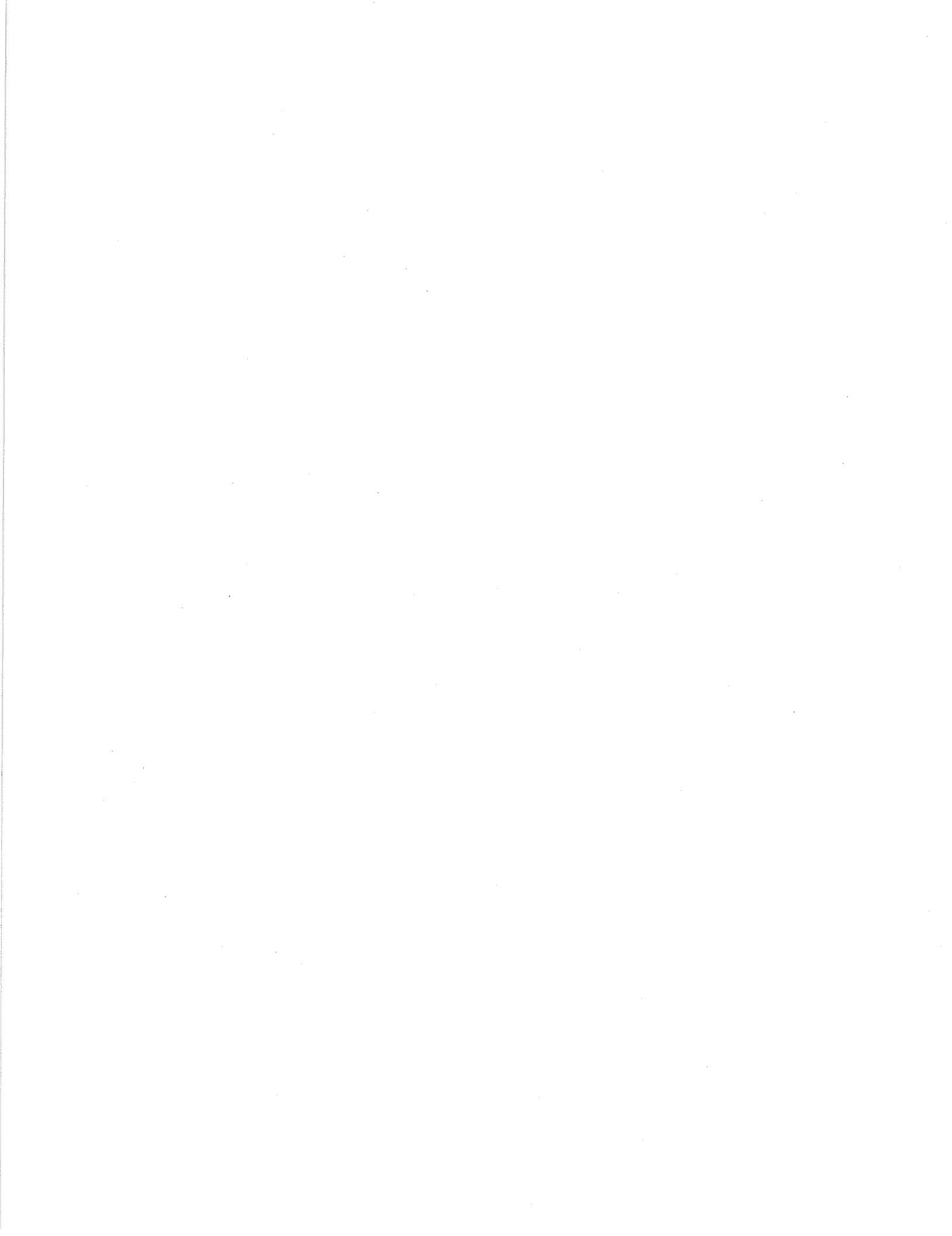
1,2-Dichloroethane-D4	111	%
1,4-Difluorobenzene	104	%
Toluene-D8	104	%
p-Bromofluorobenzene	103	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: K. Esh

Release Date: 6/3/98

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Manchester Environmental Laboratory

7411 Beach Drive E, Port Orchard Washington 98366

CASE NARRATIVE

August 21, 1998

Project: Hamilton/Labree - Waters
Samples: 98308105 through 98308123
Project ID: 231198
Project Officer: Pam Marti
By: Karin Feddersen KF

VOLATILE ORGANIC ANALYSIS

SUMMARY:

Sample 98308119 required dilution for Tetrachloroethene. The final result for the dilution was approximately twice as high as for the original analysis. Another vial of this sample was diluted and re-analyzed with similar results. The Tetrachloroethene result from the dilution of this sample should therefore be considered accurate.

The data is usable as reported.

ANALYTICAL METHODS:

Volatile organic compounds were analyzed using the Manchester modification of the EPA Method 8260 purge-trap procedure with capillary GC/MS analysis. Routine QA/QC procedures were performed.

BLANKS:

Low levels of certain target compounds were detected in the laboratory blanks. If the on-column concentrations of the compounds in a sample are at least five times greater than the on-column concentrations of the same compounds detected in the associated method blank, they are considered native to the sample.

Methylene Chloride and Acetone are commonly used laboratory solvents. These compounds are considered native to the sample if their concentration is at least ten times greater than the amount detected in the associated blank.

SURROGATES:

Surrogate recoveries were within acceptable limits for all samples.

HOLDING TIMES:

The samples were analyzed within the recommended 14 day holding time.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE:

Insufficient sample was provided for matrix spikes. At least three *extra* vials are required for the sample to be spiked.

DATA QUALIFIER CODES:

- U - The analyte was not detected at or above the reported value.
- J - The analyte was positively identified. The associated numerical value is an estimate.
- UJ - The analyte was not detected at or above the reported estimated result.
- REJ - The data are unusable for all purposes.
- NAF - Not analyzed for.
- N - There is evidence the analyte is present in the sample.
- NJ - There is evidence that the analyte is present. The associated numerical result is an estimate.
- E - This qualifier is used when the concentration of the associated value exceeds the known calibration range. The associated numerical result is an estimate.
- bold** - The analyte was present in the sample. (Visual Aid to locate detected compounds on report sheet.)

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308105

Date Collected: 07/23/98

Method: SW8260

Field ID: MW-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	3.5	
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methyoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308105

Date Collected: 07/23/98

Method: SW8260

Field ID: MW-5

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	105	%
1,4-Difluorobenzene	100	%
Toluene-D8	103	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	105	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308106

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	.76	J
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: P. Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308106

Date Collected: 07/22/98

Field ID: MW-7

Method: SW8260

Project Officer: Pam Marti

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	103	%
1,4-Difluorobenzene	99	%
Toluene-D8	106	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	106	%

Authorized By: K. Hudd

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308107

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	1	U
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: _____

Release Date: _____

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308107

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	105	%
1,4-Difluorobenzene	100	%
Toluene-D8	102	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	107	%

Authorized By: K. Hall

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308108

Field ID: MW-6

Project Officer: Pam Marti

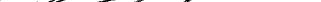
Date Collected: 07/22/98

Method: SW8260

Matrix: Water

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	170	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: 

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308108

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	106	%
1,4-Difluorobenzene	101	%
Toluene-D8	105	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	107	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308108 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	U
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	U	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	20	U
Acetone	20	U	Tetrachloroethene	119	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	20	U	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	10	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By: K. Tell

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308108 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-6

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	10	UJ
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	106	%
1,4-Difluorobenzene	102	%
Toluene-D8	103	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. Tell

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308109

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	U
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	U	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	20	U
Acetone	20	U	Tetrachloroethene	142	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	20	U	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	10	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308109

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	10	UJ
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	100	%
Toluene-D8	103	%
p-Bromofluorobenzene	90	%
1,2-Dichlorobenzene-D4	102	%

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308110

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	396	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	.013	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

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Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308110

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	105	%
1,4-Difluorobenzene	100	%
Toluene-D8	104	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	105	%

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308110 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	20	U	Cis-1,3-Dichloropropene	21	U
Chloromethane	20	U	4-Methyl-2-Pentanone	40	U
Vinyl Chloride	20	U	1,1-Dichloropropanone	20	U
Bromomethane	20	U	Toluene	20	U
Chloroethane	20	U	Trans-1,3-Dichloropropene	19	U
Trichlorofluoromethane	20	U	Ethylmethacrylate	20	U
Ethyl Ether	20	U	1,1,2-Trichloroethane	20	U
1,1,2 Trichlorotrifluoroethane	20	U	1,3-Dichloropropane	20	U
1,1-Dichloroethene	20	U	2-Hexanone	40	U
Acetone	40	U	Tetrachloroethene	264	
Methyl Iodide	20	U	Dibromochloromethane	20	U
Carbon Disulfide	40	U	1,2-Dibromoethane (EDB)	20	U
Allyl Chloride	20	U	Chlorobenzene	20	U
Methylene Chloride	40	U	1,1,1,2-Tetrachloroethane	20	U
Acrylonitrile	20	U	Ethylbenzene	20	U
2-Methoxy-2-Methylpropane	20	U	m & p-Xylene	40	U
Trans-1,2-Dichloroethene	20	U	o-Xylene	20	U
1,1-Dichloroethane	20	U	Styrene	20	U
2-Butanone	40	U	Bromoform	20	U
Cis-1,2-Dichloroethene	20	U	Isopropylbenzene (Cumene)	20	U
2,2-Dichloropropane	20	U	1,1,2,2-Tetrachloroethane	20	U
Methyl acrylate	20	U	Trans-1,4-Dichloro-2-butene	20	U
Methyacrylonitrile	20	U	1,2,3-Trichloropropane	20	U
Bromochloromethane	20	U	Bromobenzene	20	U
Chloroform	20	U	n-Propylbenzene	20	U
Tetrahydrofuran	20	U	2-Chlorotoluene	20	U
1,1,1-Trichloroethane	20	U	1,3,5-Trimethylbenzene	20	U
1-Chlorobutane	20	U	4-Chlorotoluene	20	U
1,1-Dichloropropene	20	U	Tert-Butylbenzene	20	U
Carbon Tetrachloride	20	U	1,2,4-Trimethylbenzene	20	U
1,2-Dichloroethane	20	U	Pentachloroethane	20	U
Benzene	20	U	Sec-Butylbenzene	20	U
Trichloroethene	20	U	p-Isopropyltoluene	20	U
1,2-Dichloropropane	20	U	1,3-Dichlorobenzene	20	U
Methyl Methacrylate	20	U	1,4-Dichlorobenzene	20	U
Dibromomethane	20	U	n-Butylbenzene	20	U
Bromodichloromethane	20	U	1,2-Dichlorobenzene	20	U
2-Nitropropane	20	U	Hexachloroethane	20	U

Authorized By:



Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308110 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	20	UJ
1,2,4-Trichlorobenzene	20	U
Hexachlorobutadiene	20	U
Naphthalene	20	U
1,2,3-Trichlorobenzene	20	U

Surrogate Recoveries

1,2-Dichloroethane-D4	101	%
1,4-Difluorobenzene	99	%
Toluene-D8	104	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	106	%

Authorized By: P. Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308111

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	790	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	.051	J	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	.4	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1.8	J	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Karen Zell

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308111

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	103	%
1,4-Difluorobenzene	101	%
Toluene-D8	104	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	105	%

Authorized By: Pam Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308111 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	50	U	Cis-1,3-Dichloropropene	53	U
Chloromethane	50	U	4-Methyl-2-Pentanone	100	U
Vinyl Chloride	50	U	1,1-Dichloropropanone	50	U
Bromomethane	50	U	Toluene	50	U
Chloroethane	50	U	Trans-1,3-Dichloropropene	47	U
Trichlorofluoromethane	50	U	Ethylmethacrylate	50	U
Ethyl Ether	50	U	1,1,2-Trichloroethane	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,3-Dichloropropane	50	U
1,1-Dichloroethene	50	U	2-Hexanone	100	U
Acetone	100	U	Tetrachloroethene	1170	
Methyl Iodide	50	U	Dibromochloromethane	50	U
Carbon Disulfide	100	U	1,2-Dibromoethane (EDB)	50	U
Allyl Chloride	50	U	Chlorobenzene	50	U
Methylene Chloride	100	U	1,1,1,2-Tetrachloroethane	50	U
Acrylonitrile	50	U	Ethylbenzene	50	U
2-Methoxy-2-Methylpropane	50	U	m & p-Xylene	100	U
Trans-1,2-Dichloroethene	50	U	o-Xylene	50	U
1,1-Dichloroethane	50	U	Styrene	50	U
2-Butanone	100	U	Bromoform	50	U
Cis-1,2-Dichloroethene	50	U	Isopropylbenzene (Cumene)	50	U
2,2-Dichloropropane	50	U	1,1,2,2-Tetrachloroethane	50	U
Methyl acrylate	50	U	Trans-1,4-Dichloro-2-butene	50	U
Methyacrylonitrile	50	U	1,2,3-Trichloropropane	50	U
Bromochloromethane	50	U	Bromobenzene	50	U
Chloroform	50	U	n-Propylbenzene	50	U
Tetrahydrofuran	50	U	2-Chlorotoluene	50	U
1,1,1-Trichloroethane	50	U	1,3,5-Trimethylbenzene	50	U
1-Chlorobutane	50	U	4-Chlorotoluene	50	U
1,1-Dichloropropene	50	U	Tert-Butylbenzene	50	U
Carbon Tetrachloride	50	U	1,2,4-Trimethylbenzene	50	U
1,2-Dichloroethane	50	U	Pentachloroethane	50	U
Benzene	50	U	Sec-Butylbenzene	50	U
Trichloroethene	50	U	p-Isopropyltoluene	50	U
1,2-Dichloropropane	50	U	1,3-Dichlorobenzene	50	U
Methyl Methacrylate	50	U	1,4-Dichlorobenzene	50	U
Dibromomethane	50	U	n-Butylbenzene	50	U
Bromodichloromethane	50	U	1,2-Dichlorobenzene	50	U
2-Nitropropane	50	U	Hexachloroethane	50	U

Authorized By: Pam Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308111 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	50	UJ
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	107	%

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308112

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	786	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	.33	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	2	J	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

Release Date: 8/27/88

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308112

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	103	%
Toluene-D8	103	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	103	%

Authorized By:

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8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308112 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	50	U	Cis-1,3-Dichloropropene	53	U
Chloromethane	50	U	4-Methyl-2-Pentanone	100	U
Vinyl Chloride	50	U	1,1-Dichloropropanone	50	U
Bromomethane	50	U	Toluene	50	U
Chloroethane	50	U	Trans-1,3-Dichloropropene	47	U
Trichlorodifluoromethane	50	U	Ethylmethacrylate	50	U
Ethyl Ether	50	U	1,1,2-Trichloroethane	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,3-Dichloropropane	50	U
1,1-Dichloroethene	50	U	2-Hexanone	100	U
Acetone	100	U	Tetrachloroethene	1030	
Methyl Iodide	50	U	Dibromochloromethane	50	U
Carbon Disulfide	100	U	1,2-Dibromoethane (EDB)	50	U
Allyl Chloride	50	U	Chlorobenzene	50	U
Methylene Chloride	100	U	1,1,1,2-Tetrachloroethane	50	U
Acrylonitrile	50	U	Ethylbenzene	50	U
2-Methoxy-2-Methylpropane	50	U	m & p-Xylene	100	U
Trans-1,2-Dichloroethene	50	U	o-Xylene	50	U
1,1-Dichloroethane	50	U	Styrene	50	U
2-Butanone	100	U	Bromoform	50	U
Cis-1,2-Dichloroethene	50	U	Isopropylbenzene (Cumene)	50	U
2,2-Dichloropropane	50	U	1,1,2,2-Tetrachloroethane	50	U
Methyl acrylate	50	U	Trans-1,4-Dichloro-2-butene	50	U
Methyacrylonitrile	50	U	1,2,3-Trichloropropane	50	U
Bromochloromethane	50	U	Bromobenzene	50	U
Chloroform	50	U	n-Propylbenzene	50	U
Tetrahydrofuran	50	U	2-Chlorotoluene	50	U
1,1,1-Trichloroethane	50	U	1,3,5-Trimethylbenzene	50	U
1-Chlorobutane	50	U	4-Chlorotoluene	50	U
1,1-Dichloropropene	50	U	Tert-Butylbenzene	50	U
Carbon Tetrachloride	50	U	1,2,4-Trimethylbenzene	50	U
1,2-Dichloroethane	50	U	Pentachloroethane	50	U
Benzene	50	U	Sec-Butylbenzene	50	U
Trichloroethene	50	U	p-Isopropyltoluene	50	U
1,2-Dichloropropane	50	U	1,3-Dichlorobenzene	50	U
Methyl Methacrylate	50	U	1,4-Dichlorobenzene	50	U
Dibromomethane	50	U	n-Butylbenzene	50	U
Bromodichloromethane	50	U	1,2-Dichlorobenzene	50	U
2-Nitropropane	50	U	Hexachloroethane	50	U

Authorized By:

Release Date:

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308112 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: MW-3A

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	50	UJ
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	100	%
Toluene-D8	104	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	107	%

Authorized By: K. Todd

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308114

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	95	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	.23	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308114

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	100	%
Toluene-D8	100	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	101	%

Authorized By:



Release Date: 8/27/98

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Manchester Environmental Laboratory

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308114 (Dilution - DIL1)

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	U
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorodifluoromethane	10	U	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	20	U
Acetone	20	U	Tetrachloroethene	62	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	20	U	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	10	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308114 (Dilution - DIL1)

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	10	UJ
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	108	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	106	%

Authorized By: P. Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308115

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	437	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	.026	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	.036	J	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308115

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	108	%
1,4-Difluorobenzene	102	%
Toluene-D8	102	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	106	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308115 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	10.6	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	.80	J
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	U	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	20	U
Acetone	20	U	Tetrachloroethene	349	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	20	U	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	10	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By: Pam Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308115 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	10	UJ
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	106	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: Pam Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Rds. - 30			LIMS Project ID:	2311-98	
Sample:	98308117	Date Collected:	07/22/98	Method:	SW8260	
Field ID:	HL-5	Matrix:	Water			
Project Officer:	Pam Marti	Date Analyzed:	07/28/98	Units:	ug/L	
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U	
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U	
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U	
Bromomethane	1	U	Toluene	1	U	
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U	
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U	
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U	
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U	
1,1-Dichloroethene	1	U	2-Hexanone	2	U	
Acetone	2	U	Tetrachloroethene	7.9		
Methyl Iodide	1	U	Dibromochloromethane	1	U	
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U	
Allyl Chloride	1	U	Chlorobenzene	1	U	
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U	
Acrylonitrile	1	U	Ethylbenzene	1	U	
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U	
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U	
1,1-Dichloroethane	1	U	Styrene	1	U	
2-Butanone	2	U	Bromoform	1	U	
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U	
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U	
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U	
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U	
Bromochloromethane	1	U	Bromobenzene	1	U	
Chloroform	1	U	n-Propylbenzene	1	U	
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U	
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U	
1-Chlorobutane	1	U	4-Chlorotoluene	1	U	
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U	
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U	
1,2-Dichloroethane	1	U	Pentachloroethane	1	U	
Benzene	1	U	Sec-Butylbenzene	1	U	
Trichloroethene	1	U	p-Isopropyltoluene	1	U	
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U	
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U	
Dibromomethane	1	U	n-Butylbenzene	1	U	
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U	
2-Nitropropane	1	U	Hexachloroethane	1	U	

Authorized By: K. Zell

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308117

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-5

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	100	%
Toluene-D8	105	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	105	%

Authorized By:

Release Date: 8/27/88

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308116

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	240	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	.24	J	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308116

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	104	%

Authorized By:



Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308116 (Dilution - DIL1)

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	U
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	U	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	20	U
Acetone	20	U	Tetrachloroethene	151	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	20	U	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	10	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By: 

Release Date: 8/27/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308116 (Dilution - DIL1)

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-4

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/29/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	10	UJ
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	105	%
1,4-Difluorobenzene	101	%
Toluene-D8	105	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	108	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Rds. - 30		LIMS Project ID:	2311-98	
Sample:	98308118		Date Collected:	07/23/98	Method: SW8260
Field ID:	HL-7		Matrix:	Water	
Project Officer:	Pam Marti		Date Analyzed:	07/28/98	Units: ug/L
Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	631	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	.21	J	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: Pam Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308118

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	101	%
Toluene-D8	102	%
p-Bromofluorobenzene	90	%
1,2-Dichlorobenzene-D4	105	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308118 (Dilution - DIL1)

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	50	U	Cis-1,3-Dichloropropene	53	U
Chloromethane	50	U	4-Methyl-2-Pentanone	100	U
Vinyl Chloride	50	U	1,1-Dichloropropanone	50	U
Bromomethane	50	U	Toluene	50	U
Chloroethane	50	U	Trans-1,3-Dichloropropene	47	U
Trichlorofluoromethane	50	U	Ethylmethacrylate	50	U
Ethyl Ether	50	U	1,1,2-Trichloroethane	50	U
1,1,2 Trichlorotrifluoroethane	50	U	1,3-Dichloropropane	50	U
1,1-Dichloroethene	50	U	2-Hexanone	100	U
Acetone	100	U	Tetrachloroethene	540	
Methyl Iodide	50	U	Dibromochloromethane	50	U
Carbon Disulfide	100	U	1,2-Dibromoethane (EDB)	50	U
Allyl Chloride	50	U	Chlorobenzene	50	U
Methylene Chloride	100	U	1,1,1,2-Tetrachloroethane	50	U
Acrylonitrile	50	U	Ethylbenzene	50	U
2-Methoxy-2-Methylpropane	50	U	m & p-Xylene	100	U
Trans-1,2-Dichloroethene	50	U	o-Xylene	50	U
1,1-Dichloroethane	50	U	Styrene	50	U
2-Butanone	100	U	Bromoform	50	U
Cis-1,2-Dichloroethene	50	U	Isopropylbenzene (Cumene)	50	U
2,2-Dichloropropane	50	U	1,1,2,2-Tetrachloroethane	50	U
Methyl acrylate	50	U	Trans-1,4-Dichloro-2-butene	50	U
Methyacrylonitrile	50	U	1,2,3-Trichloropropane	50	U
Bromochloromethane	50	U	Bromobenzene	50	U
Chloroform	50	U	n-Propylbenzene	50	U
Tetrahydrofuran	50	U	2-Chlorotoluene	50	U
1,1,1-Trichloroethane	50	U	1,3,5-Trimethylbenzene	50	U
1-Chlorobutane	50	U	4-Chlorotoluene	50	U
1,1-Dichloropropene	50	U	Tert-Butylbenzene	50	U
Carbon Tetrachloride	50	U	1,2,4-Trimethylbenzene	50	U
1,2-Dichloroethane	50	U	Pentachloroethane	50	U
Benzene	50	U	Sec-Butylbenzene	50	U
Trichloroethene	50	U	p-Isopropyltoluene	50	U
1,2-Dichloropropane	50	U	1,3-Dichlorobenzene	50	U
Methyl Methacrylate	50	U	1,4-Dichlorobenzene	50	U
Dibromomethane	50	U	n-Butylbenzene	50	U
Bromodichloromethane	50	U	1,2-Dichlorobenzene	50	U
2-Nitropropane	50	U	Hexachloroethane	50	U

Authorized By: 

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308118 (Dilution - DIL1)

Date Collected: 07/23/98

Method: SW8260

Field ID: HL-7

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	50	UJ
1,2,4-Trichlorobenzene	50	U
Hexachlorobutadiene	50	U
Naphthalene	50	U
1,2,3-Trichlorobenzene	50	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	100	%
Toluene-D8	103	%
p-Bromofluorobenzene	90	%
1,2-Dichlorobenzene-D4	107	%

Authorized By: Pam Marti

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308119

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-9 (INF)

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	.47	J	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	1030	E
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	UJ	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	8.1		Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	12	J	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: 

Release Date: 8/27/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308119

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-9 (INF)

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	108	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	103	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308119 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-9 (INF)

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	100	U	Cis-1,3-Dichloropropene	106	U
Chloromethane	100	U	4-Methyl-2-Pentanone	200	U
Vinyl Chloride	100	U	1,1-Dichloropropanone	100	U
Bromomethane	100	U	Toluene	100	U
Chloroethane	100	U	Trans-1,3-Dichloropropene	94	U
Trichlorofluoromethane	100	U	Ethylmethacrylate	100	U
Ethyl Ether	100	U	1,1,2-Trichloroethane	100	U
1,1,2 Trichlorotrifluoroethane	100	U	1,3-Dichloropropane	100	U
1,1-Dichloroethene	100	U	2-Hexanone	200	U
Acetone	200	U	Tetrachloroethene	2690	
Methyl Iodide	100	U	Dibromochloromethane	100	U
Carbon Disulfide	200	U	1,2-Dibromoethane (EDB)	100	U
Allyl Chloride	100	U	Chlorobenzene	100	U
Methylene Chloride	200	U	1,1,1,2-Tetrachloroethane	100	U
Acrylonitrile	100	U	Ethylbenzene	100	U
2-Methoxy-2-Methylpropane	100	U	m & p-Xylene	200	U
Trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,1-Dichloroethane	100	U	Styrene	100	U
2-Butanone	200	U	Bromoform	100	U
Cis-1,2-Dichloroethene	100	U	Isopropylbenzene (Cumene)	100	U
2,2-Dichloropropane	100	U	1,1,2,2-Tetrachloroethane	100	U
Methyl acrylate	100	U	Trans-1,4-Dichloro-2-butene	100	U
Methyacrylonitrile	100	U	1,2,3-Trichloropropane	100	U
Bromochloromethane	100	U	Bromobenzene	100	U
Chloroform	100	U	n-Propylbenzene	100	U
Tetrahydrofuran	100	U	2-Chlorotoluene	100	U
1,1,1-Trichloroethane	100	U	1,3,5-Trimethylbenzene	100	U
1-Chlorobutane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	Tert-Butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	100	U	Pentachloroethane	100	U
Benzene	100	U	Sec-Butylbenzene	100	U
Trichloroethene	100	U	p-Isopropyltoluene	100	U
1,2-Dichloropropane	100	U	1,3-Dichlorobenzene	100	U
Methyl Methacrylate	100	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-Butylbenzene	100	U
Bromodichloromethane	100	U	1,2-Dichlorobenzene	100	U
2-Nitropropane	100	U	Hexachloroethane	100	U

Authorized By: 

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308119 (Dilution - DIL1)

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-9 (INF)

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/28/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	100	UJ
1,2,4-Trichlorobenzene	100	U
Hexachlorobutadiene	100	U
Naphthalene	100	UJ
1,2,3-Trichlorobenzene	100	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	98	%
Toluene-D8	98	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: K. Teller

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308120

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-9 (EFF)

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	10.6	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	10	U	1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	U
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	U	Ethylmethacrylate	2.1	J
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	3.1	J
1,1-Dichloroethene	10	U	2-Hexanone	20	U
Acetone	20	U	Tetrachloroethene	1.6	J
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	20	U	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	10	U	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	10	U
Cis-1,2-Dichloroethene	10	U	Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	75.9		2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	10	U	p-Isopropyltoluene	10	U
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	10	U
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By: The Field

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308120

Date Collected: 07/22/98

Method: SW8260

Field ID: HL-9 (EFF)

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	10	UJ
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	UJ
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	101	%
Toluene-D8	102	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	107	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308121

Date Collected: 07/23/98

Method: SW8260

Field ID: BERSW1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorodifluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	8.5	
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	U	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	.13	J
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	2.3		Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308121

Date Collected: 07/23/98

Method: SW8260

Field ID: BERSW1

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	105	%
1,4-Difluorobenzene	100	%
Toluene-D8	100	%
p-Bromofluorobenzene	93	%
1,2-Dichlorobenzene-D4	105	%

Authorized By: P. Marti

Release Date: 8/27/08

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308122

Date Collected: 07/23/98

Method: SW8260

Field ID: BERSW2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	9.8	
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	U	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	2.7		Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308122

Date Collected: 07/23/98

Method: SW8260

Field ID: BERSW2

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	107	%
1,4-Difluorobenzene	101	%
Toluene-D8	100	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	106	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308123

Date Collected: 07/23/98

Method: SW8260

Field ID: BERSW3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	15	
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	U	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	2	U	Bromoform	1	U
Cis-1,2-Dichloroethene	4		Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By: K. Tell

Release Date: 8/27/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Sample: 98308123

Date Collected: 07/23/98

Method: SW8260

Field ID: BERSW3

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 07/30/98

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	UJ
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	102	%
1,4-Difluorobenzene	100	%
Toluene-D8	99	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	105	%

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name:	Hamilton Labree Rds. - 30			LIMS Project ID:	2311-98	
Lab ID:	ODBW8209			Method:	SW8260	
QC Type:	Laboratory Method Blank			Matrix:	Water	
Project Officer:	Pam Marti			Units:	ug/L	
Analyte	Result	Qualifier	Analyte	Result	Qualifier	
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U	
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U	
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U	
Bromomethane	1	U	Toluene	.078	J	
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U	
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U	
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U	
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U	
1,1-Dichloroethene	1	U	2-Hexanone	2	U	
Acetone	2	U	Tetrachloroethene	.068	J	
Methyl Iodide	1	U	Dibromochloromethane	1	U	
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U	
Allyl Chloride	1	U	Chlorobenzene	1	U	
Methylene Chloride	1	J	1,1,1,2-Tetrachloroethane	1	U	
Acrylonitrile	1	U	Ethylbenzene	1	U	
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U	
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U	
1,1-Dichloroethane	1	U	Styrene	1	U	
2-Butanone	.19	J	Bromoform	1	U	
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U	
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U	
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U	
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U	
Bromochloromethane	1	U	Bromobenzene	1	U	
Chloroform	1	U	n-Propylbenzene	1	U	
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U	
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U	
1-Chlorobutane	1	U	4-Chlorotoluene	1	U	
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U	
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	.019	J	
1,2-Dichloroethane	1	U	Pentachloroethane	1	U	
Benzene	1	U	Sec-Butylbenzene	1	U	
Trichloroethene	1	U	p-Isopropyltoluene	1	U	
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	.018	J	
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	.038	J	
Dibromomethane	1	U	n-Butylbenzene	.053	J	
Bromodichloromethane	1	U	1,2-Dichlorobenzene	.046	J	
2-Nitropropane	1	U	Hexachloroethane	1	U	

Authorized By: K. Todd

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Lab ID: ODBW8209

Method: SW8260

QC Type: Laboratory Method Blank

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 07/30/98

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	.33	J
Hexachlorobutadiene	1	U
Naphthalene	1.2	J
1,2,3-Trichlorobenzene	.59	J

1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	.33	J
Hexachlorobutadiene	1	U
Naphthalene	1.2	J
1,2,3-Trichlorobenzene	.59	J

Surrogate Recoveries

1,2-Dichloroethane-D4	101	%
1,4-Difluorobenzene	99	%
Toluene-D8	103	%
p-Bromofluorobenzene	94	%
1,2-Dichlorobenzene-D4	104	%

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Lab ID: ODBW8210

Method: SW8260

QC Type: Laboratory Method Blank

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 07/30/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	2	U	Tetrachloroethene	.26	J
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	.81	J	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	1	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	.26	J	Bromoform	1	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	1	U

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Lab ID: ODBW8210

Method: SW8260

QC Type: Laboratory Method Blank

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 07/30/98

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	102	%
1,4-Difluorobenzene	102	%
Toluene-D8	104	%
p-Bromofluorobenzene	89	%
1,2-Dichlorobenzene-D4	106	%

Authorized By: Z. Heddle

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name:	Hamilton Labree Rds. - 30			LIMS Project ID:	2311-98	
Lab ID:	ODBW8211			Method:	SW8260	
QC Type:	Laboratory Method Blank			Matrix:	Water	
Project Officer:	Pam Marti			Units:	ug/L	
Analyte	Result	Qualifier	Analyte		Result	Qualifier
Dichlorodifluoromethane	1	U	Cis-1,3-Dichloropropene	1.1	U	
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U	
Vinyl Chloride	1	U	1,1-Dichloropropanone	1	U	
Bromomethane	1	U	Toluene	.067	J	
Chloroethane	1	U	Trans-1,3-Dichloropropene	.94	U	
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U	
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U	
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U	
1,1-Dichloroethene	1	U	2-Hexanone	2	U	
Acetone	2	U	Tetrachloroethene	.19	J	
Methyl Iodide	1	U	Dibromochloromethane	1	U	
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U	
Allyl Chloride	1	U	Chlorobenzene	1	U	
Methylene Chloride	.73	J	1,1,1,2-Tetrachloroethane	1	U	
Acrylonitrile	1	U	Ethylbenzene	1	U	
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U	
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U	
1,1-Dichloroethane	1	U	Styrene	1	U	
2-Butanone	2	U	Bromoform	1	U	
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U	
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U	
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U	
Methyacrylonitrile	1	U	1,2,3-Trichloropropane	1	U	
Bromochloromethane	1	U	Bromobenzene	1	U	
Chloroform	1	U	n-Propylbenzene	1	U	
Tetrahydrofuran	1	U	2-Chlorotoluene	1	U	
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U	
1-Chlorobutane	1	U	4-Chlorotoluene	1	U	
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U	
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U	
1,2-Dichloroethane	1	U	Pentachloroethane	1	U	
Benzene	1	U	Sec-Butylbenzene	1	U	
Trichloroethene	1	U	p-Isopropyltoluene	1	U	
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U	
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U	
Dibromomethane	1	U	n-Butylbenzene	1	U	
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U	
2-Nitropropane	1	U	Hexachloroethane	1	U	

Authorized By: 

Release Date: 8/27/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton Labree Rds. - 30

LIMS Project ID: 2311-98

Lab ID: ODBW8211

Method: SW8260

QC Type: Laboratory Method Blank

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Date Analyzed: 07/30/98

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	UJ
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1.2	J
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	104	%
1,4-Difluorobenzene	98	%
Toluene-D8	103	%
p-Bromofluorobenzene	95	%
1,2-Dichlorobenzene-D4	105	%

Authorized By:

Release Date: 8/27/98

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Manchester Environmental Laboratory

7411 Beach Drive E, Port Orchard Washington 98366

CASE NARRATIVE

May 7, 1998

Project: Hamilton/Labree - Soils
Samples: 98058120 through 98058125
Project ID: 107298
Project Officer: Pam Marti
By: Karin Feddersen KF

VOLATILE ORGANIC ANALYSIS

SUMMARY:

The data is usable as reported.

ANALYTICAL METHODS:

Volatile organic compounds were analyzed using the Manchester modification of the EPA Method 8260 purge-trap procedure with capillary GC/MS analysis. Routine QA/QC procedures were performed.

BLANKS:

Low levels of certain target compounds were detected in the laboratory blanks. If the on-column concentrations of the compounds in a sample are at least five times greater than the on-column concentrations of the same compounds detected in the associated method blank, they are considered native to the sample.

Methylene Chloride and Acetone are commonly used laboratory solvents. These compounds are considered native to the sample if their concentration is at least ten times greater than the amount detected in the associated blank.

SURROGATES:

Surrogate recoveries were within acceptable limits for all samples.

HOLDING TIMES:

The samples were analyzed within the recommended 14 day holding time.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE:

No spikes were analyzed with the soil samples.

DATA QUALIFIER CODES:

- U** - The analyte was not detected at or above the reported value.
- J** - The analyte was positively identified. The associated numerical value is an estimate.
- UJ** - The analyte was not detected at or above the reported estimated result.
- REJ** - The data are unusable for all purposes.
- NAF** - Not analyzed for.
- N** - There is evidence the analyte is present in the sample.
- NJ** - There is evidence that the analyte is present. The associated numerical result is an estimate.
- E** - This qualifier is used when the concentration of the associated value exceeds the known calibration range. The associated numerical result is an estimate.
- bold**** - The analyte was present in the sample. (Visual Aid to locate detected compounds on report sheet.)

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058120

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB1

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	8.1	UJ	Cis-1,3-Dichloropropene	1.7	U
Chloromethane	1.6	U	4-Methyl-2-Pentanone	3.2	U
Vinyl Chloride	3.2	U	1,1-Dichloropropanone	1.6	U
Bromomethane	1.6	U	Toluene	1.6	U
Chloroethane	3.2	U	Trans-1,3-Dichloropropene	1.5	U
Trichlorofluoromethane	1.6	U	Ethylmethacrylate	1.6	U
Ethyl Ether	1.6	U	1,1,2-Trichloroethane	1.6	U
1,1,2 Trichlorotrifluoroethane	1.6	U	1,3-Dichloropropane	1.6	U
1,1-Dichloroethene	1.6	U	2-Hexanone	3.2	U
Acetone	8.4	J	Tetrachloroethene	1.6	U
Methyl Iodide	1.6	U	Dibromochloromethane	1.6	U
Carbon Disulfide	3.2	U	1,2-Dibromoethane (EDB)	1.6	U
Allyl Chloride	1.6	U	Chlorobenzene	1.6	U
Methylene Chloride	3.2	U	1,1,1,2-Tetrachloroethane	1.6	U
Acrylonitrile	3.2	U	Ethylbenzene	1.6	U
2-Methoxy-2-Methylpropane	1.6	U	m & p-Xylene	3.2	U
Trans-1,2-Dichloroethene	1.6	U	o-Xylene	1.6	U
1,1-Dichloroethane	1.6	U	Styrene	1.6	U
2-Butanone	6.5	UJ	Bromoform	1.6	U
Cis-1,2-Dichloroethene	1.6	U	Isopropylbenzene (Cumene)	1.6	U
2,2-Dichloropropane	1.6	U	1,1,2,2-Tetrachloroethane	1.6	U
Methyl acrylate	1.6	U	Trans-1,4-Dichloro-2-butene	1.6	U
Methyacrylonitrile	3.2	U	1,2,3-Trichloropropane	1.6	U
Bromochloromethane	1.6	U	Bromobenzene	1.6	U
Chloroform	1.6	U	n-Propylbenzene	1.6	U
Tetrahydrofuran	3.2	U	2-Chlorotoluene	1.6	U
1,1,1-Trichloroethane	1.6	U	1,3,5-Trimethylbenzene	1.6	U
1-Chlorobutane	1.6	U	4-Chlorotoluene	1.6	U
1,1-Dichloropropene	1.6	U	Tert-Butylbenzene	1.6	U
Carbon Tetrachloride	1.6	U	1,2,4-Trimethylbenzene	1.6	U
1,2-Dichloroethane	1.6	U	Pentachloroethane	1.6	U
Benzene	1.6	U	Sec-Butylbenzene	1.6	U
Trichloroethene	1.6	U	p-Isopropyltoluene	1.6	U
1,2-Dichloropropane	1.6	U	1,3-Dichlorobenzene	1.6	U
Methyl Methacrylate	1.6	U	1,4-Dichlorobenzene	1.6	U
Dibromomethane	1.6	U	n-Butylbenzene	1.6	U
Bromodichloromethane	1.6	U	1,2-Dichlorobenzene	1.6	U
2-Nitropropane	1.6	U	Hexachloroethane	3.2	U

Authorized By: Pam Marti

Release Date: 5/7/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058120

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB1

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1.6	U
1,2,4-Trichlorobenzene	1.6	U
Hexachlorobutadiene	1.6	U
Naphthalene	1.6	U
1,2,3-Trichlorobenzene	1.6	U

Surrogate Recoveries

1,2-Dichloroethane-D4	74	%
1,4-Difluorobenzene	85	%
Toluene-D8	118	%
p-Bromofluorobenzene	88	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: K. Zell

Release Date: 5/7/98

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Manchester Environmental Laboratory
Department of Ecology
Analysis Report for
Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058120

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB1

Matrix: Sediment/Soil

Project Officer: Pam Marti

Units: ug/Kg dw

Date Analyzed: 02/11/98

Tentatively Identified Compounds

CAS Number	Analyte Description	Result	Qualifier
123159	Pentanal, 2-methyl-	.53	NJ

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058121

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB2

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	8.1	UJ	Cis-1,3-Dichloropropene	1.7	U
Chloromethane	1.6	U	4-Methyl-2-Pentanone	3.2	U
Vinyl Chloride	3.2	U	1,1-Dichloropropanone	1.6	U
Bromomethane	1.6	U	Toluene	1.6	U
Chloroethane	3.2	U	Trans-1,3-Dichloropropene	1.5	U
Trichlorofluoromethane	1.6	U	Ethylmethacrylate	1.6	U
Ethyl Ether	1.6	U	1,1,2-Trichloroethane	1.6	U
1,1,2 Trichlorotrifluoroethane	1.6	U	1,3-Dichloropropane	1.6	U
1,1-Dichloroethene	1.6	U	2-Hexanone	3.2	U
Acetone	4.7	J	Tetrachloroethene	1.6	U
Methyl Iodide	1.6	U	Dibromochloromethane	1.6	U
Carbon Disulfide	3.2	U	1,2-Dibromoethane (EDB)	1.6	U
Allyl Chloride	1.6	U	Chlorobenzene	1.6	U
Methylene Chloride	3.2	U	1,1,1,2-Tetrachloroethane	1.6	U
Acrylonitrile	3.2	U	Ethylbenzene	1.6	U
2-Methoxy-2-Methylpropane	1.6	U	m & p-Xylene	3.2	U
Trans-1,2-Dichloroethene	1.6	U	o-Xylene	1.6	U
1,1-Dichloroethane	1.6	U	Styrene	1.6	U
2-Butanone	6.5	UJ	Bromoform	1.6	U
Cis-1,2-Dichloroethene	1.6	U	Isopropylbenzene (Cumene)	1.6	U
2,2-Dichloropropane	1.6	U	1,1,2,2-Tetrachloroethane	1.6	U
Methyl acrylate	1.6	U	Trans-1,4-Dichloro-2-butene	1.6	U
Methyacrylonitrile	3.2	U	1,2,3-Trichloropropane	1.6	U
Bromochloromethane	1.6	U	Bromobenzene	1.6	U
Chloroform	1.6	U	n-Propylbenzene	1.6	U
Tetrahydrofuran	3.2	U	2-Chlorotoluene	1.6	U
1,1,1-Trichloroethane	1.6	U	1,3,5-Trimethylbenzene	1.6	U
1-Chlorobutane	1.6	U	4-Chlorotoluene	1.6	U
1,1-Dichloropropene	1.6	U	Tert-Butylbenzene	1.6	U
Carbon Tetrachloride	1.6	U	1,2,4-Trimethylbenzene	1.6	U
1,2-Dichloroethane	1.6	U	Pentachloroethane	1.6	U
Benzene	1.6	U	Sec-Butylbenzene	1.6	U
Trichloroethene	1.6	U	p-Isopropyltoluene	1.6	U
1,2-Dichloropropane	1.6	U	1,3-Dichlorobenzene	1.6	U
Methyl Methacrylate	1.6	U	1,4-Dichlorobenzene	1.6	U
Dibromomethane	1.6	U	n-Butylbenzene	1.6	U
Bromodichloromethane	1.6	U	1,2-Dichlorobenzene	1.6	U
2-Nitropropane	1.6	U	Hexachloroethane	3.2	U

Authorized By:

Release Date: 5/7/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058121

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB2

Matrix: Sediment/Soil

Project Officer: Pam Marti

Units: ug/Kg dw

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1.6	U
1,2,4-Trichlorobenzene	1.6	U
Hexachlorobutadiene	1.6	U
Naphthalene	1.6	U
1,2,3-Trichlorobenzene	1.6	U

Surrogate Recoveries

1,2-Dichloroethane-D4	79	%
1,4-Difluorobenzene	86	%
Toluene-D8	117	%
p-Bromofluorobenzene	91	%
1,2-Dichlorobenzene-D4	105	%

Authorized By: K. Eddle

Release Date: 5/7/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058122

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB3

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	7.6	UJ	Cis-1,3-Dichloropropene	1.6	U
Chloromethane	1.5	U	4-Methyl-2-Pentanone	3	U
Vinyl Chloride	3	U	1,1-Dichloropropanone	1.5	U
Bromomethane	1.5	U	Toluene	1.5	U
Chloroethane	3	U	Trans-1,3-Dichloropropene	1.4	U
Trichlorofluoromethane	1.5	U	Ethylmethacrylate	1.5	U
Ethyl Ether	1.5	U	1,1,2-Trichloroethane	1.5	U
1,1,2 Trichlorotrifluoroethane	1.5	U	1,3-Dichloropropane	1.5	U
1,1-Dichloroethene	1.5	U	2-Hexanone	3	U
Acetone	30	UJ	Tetrachloroethene	1.5	U
Methyl Iodide	1.5	U	Dibromochloromethane	1.5	U
Carbon Disulfide	3	U	1,2-Dibromoethane (EDB)	1.5	U
Allyl Chloride	1.5	U	Chlorobenzene	1.5	U
Methylene Chloride	3	U	1,1,1,2-Tetrachloroethane	1.5	U
Acrylonitrile	3	U	Ethylbenzene	1.5	U
2-Methoxy-2-Methylpropane	1.5	U	m & p-Xylene	3	U
Trans-1,2-Dichloroethene	1.5	U	o-Xylene	1.5	U
1,1-Dichloroethane	1.5	U	Styrene	1.5	U
2-Butanone	6.1	UJ	Bromoform	1.5	U
Cis-1,2-Dichloroethene	1.5	U	Isopropylbenzene (Cumene)	1.5	U
2,2-Dichloropropane	1.5	U	1,1,2,2-Tetrachloroethane	1.5	U
Methyl acrylate	1.5	U	Trans-1,4-Dichloro-2-butene	1.5	U
Methyacrylonitrile	3	U	1,2,3-Trichloropropane	1.5	U
Bromochloromethane	1.5	U	Bromobenzene	1.5	U
Chloroform	1.5	U	n-Propylbenzene	1.5	U
Tetrahydrofuran	3	U	2-Chlorotoluene	1.5	U
1,1,1-Trichloroethane	1.5	U	1,3,5-Trimethylbenzene	1.5	U
1-Chlorobutane	1.5	U	4-Chlorotoluene	1.5	U
1,1-Dichloropropene	1.5	U	Tert-Butylbenzene	1.5	U
Carbon Tetrachloride	1.5	U	1,2,4-Trimethylbenzene	1.5	U
1,2-Dichloroethane	1.5	U	Pentachloroethane	1.5	U
Benzene	1.5	U	Sec-Butylbenzene	1.5	U
Trichloroethene	1.5	U	p-Isopropyltoluene	1.5	U
1,2-Dichloropropane	1.5	U	1,3-Dichlorobenzene	1.5	U
Methyl Methacrylate	1.5	U	1,4-Dichlorobenzene	1.5	U
Dibromomethane	1.5	U	n-Butylbenzene	1.5	U
Bromodichloromethane	1.5	U	1,2-Dichlorobenzene	1.5	U
2-Nitropropane	1.5	U	Hexachloroethane	3	U

Authorized By: K Tell

Release Date: 5/7/98

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Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058122

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB3

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1.5	U
1,2,4-Trichlorobenzene	1.5	U
Hexachlorobutadiene	1.5	U
Naphthalene	1.5	U
1,2,3-Trichlorobenzene	1.5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	78	%
1,4-Difluorobenzene	86	%
Toluene-D8	117	%
p-Bromofluorobenzene	90	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: Pam Marti

Release Date: 5/7/98

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Manchester Environmental Laboratory

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Analysis Report for Volatile Organic Analysis

Project Name:	Hamilton/Labree Rds.		LIMS Project ID:	1072-98	
Sample:	98058123	Date Received:	01/30/98	Method:	SW8260
Field ID:	HLTHSB4			Matrix:	Sediment/Soil
Project Officer:	Pam Marti	Date Analyzed:	02/11/98	Units:	ug/Kg dw
Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	7.3	UJ	Cis-1,3-Dichloropropene	1.6	U
Chloromethane	1.5	U	4-Methyl-2-Pentanone	2.9	U
Vinyl Chloride	2.9	U	1,1-Dichloropropanone	1.5	U
Bromomethane	1.5	U	Toluene	1.5	U
Chloroethane	2.9	U	Trans-1,3-Dichloropropene	1.4	U
Trichlorofluoromethane	1.5	U	Ethylmethacrylate	1.5	U
Ethyl Ether	1.5	U	1,1,2-Trichloroethane	1.5	U
1,1,2 Trichlorotrifluoroethane	1.5	U	1,3-Dichloropropane	1.5	U
1,1-Dichloroethene	1.5	U	2-Hexanone	2.9	U
Acetone	26	J	Tetrachloroethene	1.5	U
Methyl Iodide	1.5	U	Dibromochloromethane	1.5	U
Carbon Disulfide	2.9	U	1,2-Dibromoethane (EDB)	1.5	U
Allyl Chloride	1.5	U	Chlorobenzene	1.5	U
Methylene Chloride	2.9	U	1,1,1,2-Tetrachloroethane	1.5	U
Acrylonitrile	2.9	U	Ethylbenzene	1.5	U
2-Methoxy-2-Methylpropane	1.5	U	m & p-Xylene	2.9	U
Trans-1,2-Dichloroethene	1.5	U	o-Xylene	1.5	U
1,1-Dichloroethane	1.5	U	Styrene	1.5	U
2-Butanone	5.9	UJ	Bromoform	1.5	U
Cis-1,2-Dichloroethene	1.5	U	Isopropylbenzene (Cumene)	1.5	U
2,2-Dichloropropane	1.5	U	1,1,2,2-Tetrachloroethane	1.5	U
Methyl acrylate	1.5	U	Trans-1,4-Dichloro-2-butene	1.5	U
Methacrylonitrile	2.9	U	1,2,3-Trichloropropane	1.5	U
Bromochloromethane	1.5	U	Bromobenzene	1.5	U
Chloroform	1.5	U	n-Propylbenzene	1.5	U
Tetrahydrofuran	2.9	U	2-Chlorotoluene	1.5	U
1,1,1-Trichloroethane	1.5	U	1,3,5-Trimethylbenzene	1.5	U
1-Chlorobutane	1.5	U	4-Chlorotoluene	1.5	U
1,1-Dichloropropene	1.5	U	Tert-Butylbenzene	1.5	U
Carbon Tetrachloride	1.5	U	1,2,4-Trimethylbenzene	1.5	U
1,2-Dichloroethane	1.5	U	Pentachloroethane	1.5	U
Benzene	1.5	U	Sec-Butylbenzene	1.5	U
Trichloroethene	1.5	U	p-Isopropyltoluene	1.5	U
1,2-Dichloropropane	1.5	U	1,3-Dichlorobenzene	1.5	U
Methyl Methacrylate	1.5	U	1,4-Dichlorobenzene	1.5	U
Dibromomethane	1.5	U	n-Butylbenzene	1.5	U
Bromodichloromethane	1.5	U	1,2-Dichlorobenzene	1.5	U
2-Nitropropane	1.5	U	Hexachloroethane	2.9	U

Authorized By: K. Edd

Release Date: 5/17/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058123

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB4

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1.5	U
1,2,4-Trichlorobenzene	1.5	U
Hexachlorobutadiene	1.5	U
Naphthalene	1.5	U
1,2,3-Trichlorobenzene	1.5	U

Surrogate Recoveries

1,2-Dichloroethane-D4	77	%
1,4-Difluorobenzene	84	%
Toluene-D8	118	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	104	%

Authorized By: P. Marti

Release Date: 5/1/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058123

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB4

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Tentatively Identified Compounds

CAS Number	Analyte Description	Result	Qualifier
108930	Cyclohexanol	1.1	NJ

Authorized By: K. Fidell

Release Date: 5/17/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058124

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB5

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	6.4	UJ	Cis-1,3-Dichloropropene	1.4	U
Chloromethane	1.3	U	4-Methyl-2-Pentanone	2.6	U
Vinyl Chloride	2.6	U	1,1-Dichloropropanone	1.3	U
Bromomethane	1.3	U	Toluene	.34	J
Chloroethane	2.6	U	Trans-1,3-Dichloropropene	1.2	U
Trichlorofluoromethane	1.3	U	Ethylmethacrylate	1.3	U
Ethyl Ether	1.3	U	1,1,2-Trichloroethane	1.3	U
1,1,2 Trichlorotrifluoroethane	1.3	U	1,3-Dichloropropane	1.3	U
1,1-Dichloroethene	1.3	U	2-Hexanone	2.6	U
Acetone	26	UJ	Tetrachloroethene	1.3	U
Methyl Iodide	1.3	U	Dibromochloromethane	1.3	U
Carbon Disulfide	2.6	U	1,2-Dibromoethane (EDB)	1.3	U
Allyl Chloride	1.3	U	Chlorobenzene	1.3	U
Methylene Chloride	2.6	U	1,1,1,2-Tetrachloroethane	1.3	U
Acrylonitrile	2.6	U	Ethylbenzene	1.3	U
2-Methoxy-2-Methylpropane	1.3	U	m & p-Xylene	2.6	U
Trans-1,2-Dichloroethene	1.3	U	o-Xylene	1.3	U
1,1-Dichloroethane	1.3	U	Styrene	1.3	U
2-Butanone	5.1	UJ	Bromoform	1.3	U
Cis-1,2-Dichloroethene	1.3	U	Isopropylbenzene (Cumene)	1.3	U
2,2-Dichloropropane	1.3	U	1,1,2,2-Tetrachloroethane	1.3	U
Methyl acrylate	1.3	U	Trans-1,4-Dichloro-2-butene	1.3	U
Methacrylonitrile	2.6	U	1,2,3-Trichloropropane	1.3	U
Bromochloromethane	1.3	U	Bromobenzene	1.3	U
Chloroform	1.3	U	n-Propylbenzene	1.3	U
Tetrahydrofuran	2.6	U	2-Chlorotoluene	1.3	U
1,1,1-Trichloroethane	1.3	U	1,3,5-Trimethylbenzene	1.3	U
1-Chlorobutane	1.3	U	4-Chlorotoluene	1.3	U
1,1-Dichloropropene	1.3	U	Tert-Butylbenzene	1.3	U
Carbon Tetrachloride	1.3	U	1,2,4-Trimethylbenzene	1.3	U
1,2-Dichloroethane	1.3	U	Pentachloroethane	1.3	U
Benzene	1.3	U	Sec-Butylbenzene	1.3	U
Trichloroethene	1.3	U	p-Isopropyltoluene	1.3	U
1,2-Dichloropropane	1.3	U	1,3-Dichlorobenzene	1.3	U
Methyl Methacrylate	1.3	U	1,4-Dichlorobenzene	1.3	U
Dibromomethane	1.3	U	n-Butylbenzene	1.3	U
Bromodichloromethane	1.3	U	1,2-Dichlorobenzene	1.3	U
2-Nitropropane	1.3	U	Hexachloroethane	2.6	U

Authorized By:

Release Date: 5/7/98

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Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058124

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB5

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1.3	U
1,2,4-Trichlorobenzene	1.3	U
Hexachlorobutadiene	1.3	U
Naphthalene	1.3	U
1,2,3-Trichlorobenzene	1.3	U

Surrogate Recoveries

1,2-Dichloroethane-D4	77	%
1,4-Difluorobenzene	84	%
Toluene-D8	131	%
p-Bromofluorobenzene	81	%
1,2-Dichlorobenzene-D4	105	%

Authorized By: M. Edd

Release Date: 5/7/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058125

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB6

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	7.1	UJ	Cis-1,3-Dichloropropene	1.5	U
Chloromethane	1.4	U	4-Methyl-2-Pentanone	2.8	U
Vinyl Chloride	2.8	U	1,1-Dichloropropanone	1.4	U
Bromomethane	1.4	U	Toluene	1.4	U
Chloroethane	2.8	U	Trans-1,3-Dichloropropene	1.3	U
Trichlorofluoromethane	1.4	U	Ethylmethacrylate	1.4	U
Ethyl Ether	1.4	U	1,1,2-Trichloroethane	1.4	U
1,1,2 Trichlorotrifluoroethane	1.4	U	1,3-Dichloropropane	1.4	U
1,1-Dichloroethene	1.4	U	2-Hexanone	2.8	U
Acetone	28	UJ	Tetrachloroethene	1.4	U
Methyl Iodide	1.4	U	Dibromochloromethane	1.4	U
Carbon Disulfide	2.8	U	1,2-Dibromoethane (EDB)	1.4	U
Allyl Chloride	1.4	U	Chlorobenzene	1.4	U
Methylene Chloride	2.8	U	1,1,1,2-Tetrachloroethane	1.4	U
Acrylonitrile	2.8	U	Ethylbenzene	1.4	U
2-Methoxy-2-Methylpropane	1.4	U	m & p-Xylene	2.8	U
Trans-1,2-Dichloroethene	1.4	U	o-Xylene	1.4	U
1,1-Dichloroethane	1.4	U	Styrene	1.4	U
2-Butanone	5.7	UJ	Bromoform	1.4	U
Cis-1,2-Dichloroethene	1.4	U	Isopropylbenzene (Cumene)	1.4	U
2,2-Dichloropropane	1.4	U	1,1,2,2-Tetrachloroethane	1.4	U
Methyl acrylate	1.4	U	Trans-1,4-Dichloro-2-butene	1.4	U
Methyacrylonitrile	2.8	U	1,2,3-Trichloropropane	1.4	U
Bromochloromethane	1.4	U	Bromobenzene	1.4	U
Chloroform	1.4	U	n-Propylbenzene	1.4	U
Tetrahydrofuran	2.8	U	2-Chlorotoluene	1.4	U
1,1,1-Trichloroethane	1.4	U	1,3,5-Trimethylbenzene	1.4	U
1-Chlorobutane	1.4	U	4-Chlorotoluene	1.4	U
1,1-Dichloropropene	1.4	U	Tert-Butylbenzene	1.4	U
Carbon Tetrachloride	1.4	U	1,2,4-Trimethylbenzene	1.4	U
1,2-Dichloroethane	1.4	U	Pentachloroethane	1.4	U
Benzene	1.4	U	Sec-Butylbenzene	1.4	U
Trichloroethene	1.4	U	p-Isopropyltoluene	1.4	U
1,2-Dichloropropane	1.4	U	1,3-Dichlorobenzene	1.4	U
Methyl Methacrylate	1.4	U	1,4-Dichlorobenzene	1.4	U
Dibromomethane	1.4	U	n-Butylbenzene	1.4	U
Bromodichloromethane	1.4	U	1,2-Dichlorobenzene	1.4	U
2-Nitropropane	1.4	U	Hexachloroethane	2.8	U

Authorized By:

Release Date: 5/17/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058125

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSB6

Matrix: Sediment/Soil

Project Officer: Pam Marti

Date Analyzed: 02/11/98

Units: ug/Kg dw

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1.4	U
1,2,4-Trichlorobenzene	1.4	U
Hexachlorobutadiene	1.4	U
Naphthalene	1.4	U
1,2,3-Trichlorobenzene	1.4	U

Surrogate Recoveries

1,2-Dichloroethane-D4	76	%
1,4-Difluorobenzene	85	%
Toluene-D8	117	%
p-Bromofluorobenzene	90	%
1,2-Dichlorobenzene-D4	103	%

Authorized By: M. Todd

Release Date: 5/7/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058126

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSS

Matrix: Water

Project Officer: Pam Marti

Date Analyzed: 02/05/98

Units: ug/L

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	10	U	Cis-1,3-Dichloropropene	11	U
Chloromethane	10	U	4-Methyl-2-Pentanone	20	U
Vinyl Chloride	15		1,1-Dichloropropanone	10	U
Bromomethane	10	U	Toluene	10	
Chloroethane	10	U	Trans-1,3-Dichloropropene	9.4	U
Trichlorofluoromethane	10	UJ	Ethylmethacrylate	10	U
Ethyl Ether	10	U	1,1,2-Trichloroethane	10	U
1,1,2 Trichlorotrifluoroethane	10	U	1,3-Dichloropropane	10	U
1,1-Dichloroethene	10	U	2-Hexanone	10	U
Acetone	412	U	Tetrachloroethene	481	
Methyl Iodide	10	U	Dibromochloromethane	10	U
Carbon Disulfide	20	U	1,2-Dibromoethane (EDB)	10	U
Allyl Chloride	10	U	Chlorobenzene	10	U
Methylene Chloride	10	UJ	1,1,1,2-Tetrachloroethane	10	U
Acrylonitrile	10	U	Ethylbenzene	10	U
2-Methoxy-2-Methylpropane	10	U	m & p-Xylene	20	U
Trans-1,2-Dichloroethene	3.5	J	o-Xylene	10	U
1,1-Dichloroethane	10	U	Styrene	10	U
2-Butanone	20	U	Bromoform	20	U
Cis-1,2-Dichloroethene	591		Isopropylbenzene (Cumene)	10	U
2,2-Dichloropropane	10	U	1,1,2,2-Tetrachloroethane	10	U
Methyl acrylate	10	U	Trans-1,4-Dichloro-2-butene	10	U
Methyacrylonitrile	10	U	1,2,3-Trichloropropane	10	U
Bromochloromethane	10	U	Bromobenzene	10	U
Chloroform	10	U	n-Propylbenzene	10	U
Tetrahydrofuran	10	U	2-Chlorotoluene	10	U
1,1,1-Trichloroethane	10	U	1,3,5-Trimethylbenzene	10	U
1-Chlorobutane	10	U	4-Chlorotoluene	10	U
1,1-Dichloropropene	10	U	Tert-Butylbenzene	10	U
Carbon Tetrachloride	10	U	1,2,4-Trimethylbenzene	10	U
1,2-Dichloroethane	10	U	Pentachloroethane	10	U
Benzene	10	U	Sec-Butylbenzene	10	U
Trichloroethene	350		p-Isopropyltoluene	10	
1,2-Dichloropropane	10	U	1,3-Dichlorobenzene	10	U
Methyl Methacrylate	10	U	1,4-Dichlorobenzene	4.2	J
Dibromomethane	10	U	n-Butylbenzene	10	U
Bromodichloromethane	10	U	1,2-Dichlorobenzene	10	U
2-Nitropropane	10	U	Hexachloroethane	10	U

Authorized By: Pam Marti

Release Date: 4/15/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: 98058126

Date Received: 01/30/98

Method: SW8260

Field ID: HLTHSS

Matrix: Water

Project Officer: Pam Marti

Units: ug/L

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	20	U
1,2,4-Trichlorobenzene	10	U
Hexachlorobutadiene	10	U
Naphthalene	10	U
1,2,3-Trichlorobenzene	10	U

Surrogate Recoveries		
1,2-Dichloroethane-D4	114	%
1,4-Difluorobenzene	97	%
Toluene-D8	102	%
p-Bromofluorobenzene	99	%
1,2-Dichlorobenzene-D4	100	%

Manchester Environmental Laboratory

Department of Ecology

Analysis Report for Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: OKBS8042

Method: SW8260

Project Officer: Pam Marti

Matrix: Sediment/Soil
Units: ug/Kg dw

Date Analyzed: 02/11/98

Analyte	Result	Qualifier	Analyte	Result	Qualifier
Dichlorodifluoromethane	5	UJ	Cis-1,3-Dichloropropene	1.1	U
Chloromethane	1	U	4-Methyl-2-Pentanone	2	U
Vinyl Chloride	2	U	1,1-Dichloropropanone	1	U
Bromomethane	1	U	Toluene	1	U
Chloroethane	2	U	Trans-1,3-Dichloropropene	.94	U
Trichlorofluoromethane	1	U	Ethylmethacrylate	1	U
Ethyl Ether	1	U	1,1,2-Trichloroethane	1	U
1,1,2 Trichlorotrifluoroethane	1	U	1,3-Dichloropropane	1	U
1,1-Dichloroethene	1	U	2-Hexanone	2	U
Acetone	20	UJ	Tetrachloroethene	1	U
Methyl Iodide	1	U	Dibromochloromethane	1	U
Carbon Disulfide	2	U	1,2-Dibromoethane (EDB)	1	U
Allyl Chloride	1	U	Chlorobenzene	1	U
Methylene Chloride	2	U	1,1,1,2-Tetrachloroethane	1	U
Acrylonitrile	2	U	Ethylbenzene	1	U
2-Methoxy-2-Methylpropane	1	U	m & p-Xylene	2	U
Trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,1-Dichloroethane	1	U	Styrene	1	U
2-Butanone	4	UJ	Bromoform	1	U
Cis-1,2-Dichloroethene	1	U	Isopropylbenzene (Cumene)	1	U
2,2-Dichloropropane	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl acrylate	1	U	Trans-1,4-Dichloro-2-butene	1	U
Methyacrylonitrile	2	U	1,2,3-Trichloropropane	1	U
Bromochloromethane	1	U	Bromobenzene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Tetrahydrofuran	2	U	2-Chlorotoluene	1	U
1,1,1-Trichloroethane	1	U	1,3,5-Trimethylbenzene	1	U
1-Chlorobutane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	Tert-Butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	Pentachloroethane	1	U
Benzene	1	U	Sec-Butylbenzene	1	U
Trichloroethene	1	U	p-Isopropyltoluene	1	U
1,2-Dichloropropane	1	U	1,3-Dichlorobenzene	1	U
Methyl Methacrylate	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-Butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
2-Nitropropane	1	U	Hexachloroethane	2	U

Authorized By: John Teller

Release Date: 5/7/98

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Manchester Environmental Laboratory

Department of Ecology

Analysis Report for

Volatile Organic Analysis

Project Name: Hamilton/Labree Rds.

LIMS Project ID: 1072-98

Sample: OKBS8042

Method: SW8260

Project Officer: Pam Marti

Matrix: Sediment/Soil
Units: ug/Kg dw

Date Analyzed: 02/11/98

Analyte	Result	Qualifier
1,2-Dibromo-3-Chloropropane	1	U
1,2,4-Trichlorobenzene	1	U
Hexachlorobutadiene	1	U
Naphthalene	1	U
1,2,3-Trichlorobenzene	1	U

Surrogate Recoveries

1,2-Dichloroethane-D4	73	%
1,4-Difluorobenzene	83	%
Toluene-D8	118	%
p-Bromofluorobenzene	92	%
1,2-Dichlorobenzene-D4	102	%

Authorized By: K. Bell

Release Date: 5/7/98

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