ROSS ENVIRONMENTAL ASSOCIATES, INC.

Hydrogeology, Water Quality,
Contaminant Fate & Transport, Remediation,
& Regulatory Compliance and Permitting

12 January, 2000

Mr. Chuck Schwer
Department of Environmental Conservation
Waste Management Division
103 South Main Street, West Building
Waterbury, Vermont 05671-0404

RE: Expressway Investigation Report, WSI Moretown Landfill, Inc. (SMS Site # 99-2685)

Dear Chuck:

Enclosed is one copy of the final report for the Expressway Investigation completed at the WSI landfill located on U.S. Route 2 in Moretown, Vermont.

Please feel free to call me, if you have any questions regarding the investigation findings or recommendations.

Sincerely,

Robert J. Ross, CGWP
Principal Hydrogeologist

cc. Mr. Ned Huntley, WSI Moretown Landfill, Inc.

enclosure

Rjr/ref: 99028CL01

P.O. Box 1533 Stowe, Vermont 05672
phone 802.253.4280 fax 802.253.4829

ROSS ENVIRONMENTAL ASSOCIATES, INC.

Hydrogeology, Water Quality,
Contaminant Fate & Transport, Remediation,
& Regulatory Compliance and Permitting

17 December, 1999

Mr. Ned Huntley, P.E.
WSI Moretown Landfill, Inc.
RR #3, Box 1788
Waterbury, VT 05676

RE: Expressway Investigation - WSI Moretown Landfill (SMS Site # 99-2685)

Dear Mr. Huntley:

Enclosed are the results of the "Expressway" Investigation completed at the Waste Systems International (WSI) landfill in Moretown, Vermont. The investigation was prompted due to petroleum contamination discovered beneath the former pump-island during the in-place closure of a 12,000-gallon diesel underground storage tank (UST) on 28 September 1999. The investigation addresses concerns of the Vermont Department of Environmental Conservation (VT DEC) outlined in the letter dated 16 November 1999.

The findings of the "Expressway" Investigation are summarized below:

- During the UST closure, the extent of petroleum contamination was defined and approximately 20 cubic yards of petroleum contaminated soil were removed from the ground and stockpiled on-site.
- The depth to ground water is estimated to be greater than 60 feet below ground surface (bgs) in the vicinity of the former UST.
- WSI currently monitors ground water quality adjacent to the landfill on a semi-annual basis at the direction of the VT DEC Solid Waste Management Division.
- Ground-water quality data from existing monitoring wells located in the vicinity of the former UST, which were collected in October 1999 as part of the Landfill's semi-annual monitoring, did not identify the presence of petroleum related volatile organic compounds (VOCs).
- On 9 December 1999, photo-ionization detector (PID) readings on soil samples collected from the petroleum contaminated soil stockpile ranged from 13.7 to 59.1 parts per million (ppm). Slight petroleum odors were noted while sampling the soil stockpile. During the December 9th site visit, the soil stockpile was covered with plastic and surrounded by a fence.
- At this time, none of the identified receptors appear to be threatened or impacted by the past use or operation of the former UST system.

Conclusions/Recommendations

Based on the PID screening results and field observations from the December 9th site visit, the stockpiled soils meet the VT DEC criteria for use as landfill cover material. Also, available information indicates that ground water in the vicinity of the former UST, which is estimated to be greater than 60 feet bgs, has not been impacted by compounds typically associated with diesel fuel. Therefore, ***R.E.A.*** recommends the following:

1. Contacting the VT DEC to obtain written permission to use the petroleum contaminated soil (PCS) as cover material at the landfill and;
2. After using the PCS as cover material, request the VT DEC to consider the site for "Sites Management Activities Completed" (SMAC) status with respect to the UST closed on 28 September 1999.

P.O. Box 1533 Stowe, Vermont 05672
phone 802.253.4280 fax 802.253.4829

Site Setting and Background

On 28 September 1999, ***R.E.A.*** provided oversight for the in-place closure of a 12,000-gallon diesel underground storage tank (UST) located on property owned by WSI Moretown Landfill, Inc. on U.S. Route 2 in Moretown, Vermont (Figure 1, Attachment A). During the UST closure, petroleum odors were noted directly beneath the former pump-island; a black stained layer encountered approximately 3 ½ feet below grade exhibited a strong petroleum odor characteristic of weathered fuel oil. PID readings on soil samples collected from the pump-island excavation ranged from 0.0 to 598 ppm, with an average of 95 ppm. All of the PID readings, except for one, were less than 370 ppm and a majority of these readings were less than 200 ppm.

Approximately 20 cubic yards of petroleum contaminated soil (PCS) were excavated from beneath the former pump-island and polyencapsulated on-site adjacent to the former UST location. PID readings on soil samples collected from the bottom and side-walls of the pump-island excavation were 0.0 ppm, which indicates that the extent of subsurface contamination was defined and suggests that all of the PCS from beneath the former pump-island were removed.

Due to the presence of petroleum contaminated soils discovered at the site during an in-place UST closure, the VT DEC requested further evaluation of the site, as outlined in the letter dated 16 November 1999. To address the VT DEC concerns, WSI retained Ross Environmental Associates, Inc. (***R.E.A.***) to inspect the soil stockpile, evaluate available ground-water quality data, and complete a receptor evaluation with respect to the former UST System.

Ground Water Sampling and Analysis

R.E.A. reviewed the volatile organic compound (VOC) analytical results from the past three semi-annual monitoring events (Oct. 1998, May 1999, and Oct. 1999) for five monitoring wells located in the vicinity of the former UST (MW-6, MW-16, MW-107S, MW-107D, and MW-109). Approximate monitoring well locations are shown on Figure 2, in Attachment A. None of the VOCs that are typically associated with petroleum products (benzene, toluene, ethylbenzene, xylenes, MTBE, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and naphthalene) were detected in any of the monitoring wells situated near the former UST. In addition, none of the Vermont Groundwater Enforcement Standards (VGES) for VOCs were exceeded in samples collected from MW-6, MW-16, MW-107S, MW-107D, and MW-109 during the October 1999 sampling event. Table 1, in Attachment B, summarizes the ground-water analytical results for the October 1999 sampling event. Copies of the time-series graphs showing contaminant trends versus time are included in Attachment C and VOC laboratory analytical reports are included in Attachment D.

Ground Water Elevations and Flow Direction

On 27 October 1999, ground-water flow in the unconfined surficial aquifer in the vicinity of the former UST system was toward the Winooski River to the north-northeast, with an estimated hydraulic gradient of approximately one percent. Water-level measurements and elevation calculations for 27 October 1999 are presented in Table 2, in Attachment B.

Static water-table elevations were computed for each monitoring well by subtracting the measured depth-to-water readings from the surveyed top-of-casing (TOC) elevations.

Soil Stockpile Screening

On 9 December 1999, ***R.E.A.*** inspected and screened the on-site petroleum contaminated soil stockpile located near the landfill scale house (Figure 2, Attachment A). The on-site soil stockpile consists of approximately 20 cubic yards of petroleum contaminated soil (PCS), which were removed during the UST

closure on 28 September 1999. PID readings on soil samples collected from the petroleum contaminated soil stockpile ranged from 13.7 to 59.1 ppm, which are below the 200 ppm guideline used by the VT DEC for allowing PCS to be used as landfill cover material (Table 3, in Attachment B).

At the time of the site visit, the cover of the soil pile was in good condition and the pile was surrounded by a fence. Six grab soil samples, collected approximately 2.0 to 2.5 feet beneath the surface of the soil pile, were placed in zipper-top plastic baggies and screened for the possible presence of VOCs using a PhotoVac Model PE2020 PID. The PID was calibrated in the field with an isobutylene standard gas to a benzene reference.

Receptor Evaluation

At this time, none of the identified receptors appear to be threatened or impacted by the use and operation of the former UST system. The following receptors were identified in the vicinity of the landfill:

- Approximately 15 private supply wells, which are located within 0.5 miles of the landfill.
- An on-site supply well, which is located greater than 1,000 feet south (upgradient) of the former UST system.
- Underground utilities including the leachate collection system, electrical conduits, and a water line are located in close proximity of the former UST system.
- The Winooski River, which is located approximately 600 feet north (downgradient) of the former UST System.

It should be noted that the Winooski River and many of the private supply wells are monitored on a semi-annual basis as part of routine monitoring at the landfill. Also, the on-site buildings located in the vicinity of the former UST system do not have subsurface basements and therefore are not considered to be likely receptors.

****

Please call me if you have any questions or concerns regarding the enclosed results or recommendations. After receiving your approval, I will forward a copy of this report to the VT DEC.

Sincerely,

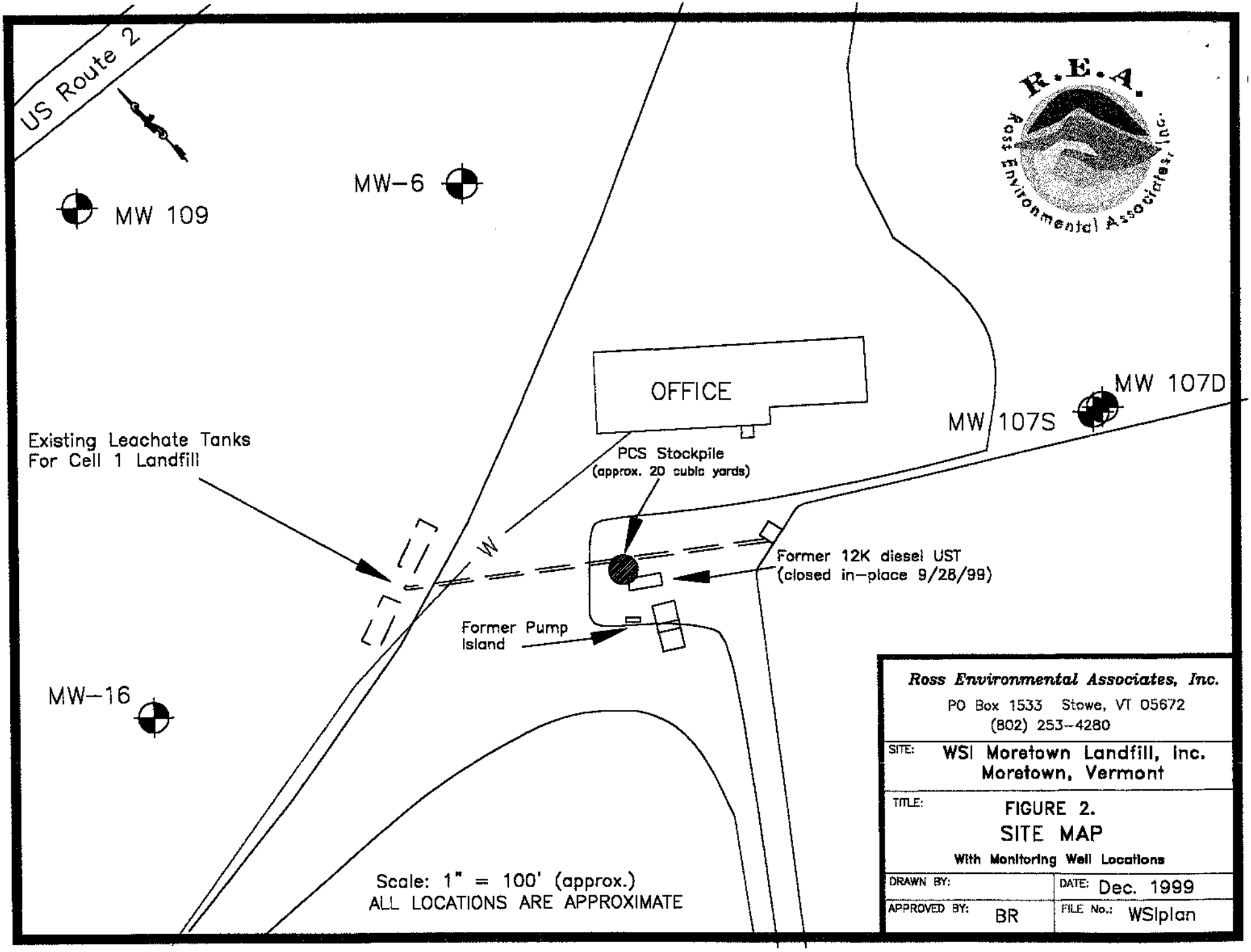
Ross Environmental Associates, Inc.

Robert J. Ross, CGWP
Principal Hydrogeologist

Attachments

Rjr/ref: 99028ISI

ATTACHMENT A


US Route 2
MW 109
MW-6
OFFICE
MW 107D
MW 107S
Existing Leachate Tanks
For Cell 1 Landfill
PCS Stockpile
(approx. 20 cubic yards)
W
Former 12K diesel UST
(closed in-place 9/28/99)
Former Pump
Island
MW-16
Scale: 1" = 100' (approx.)
ALL LOCATIONS ARE APPROXIMATE
R.E.A.
Ross Environmental Associates, Inc.
Ross Environmental Associates, Inc.
PO Box 1533 Stowe, VT 05672
(802) 253-4280
SITE: WSI Moretown Landfill, Inc.
Moretown, Vermont
TITLE: FIGURE 2.
SITE MAP
With Monitoring Well Locations
DRAWN BY:
DATE: Dec. 1999
APPROVED BY: BR
FILE No.: WSIplan

ATTACHMENT B

TABLE 1
GROUND-WATER ANALYTICAL RESULTS

WSI Moretown Landfill, Inc.
Moretown, Vermont

Monitoring Date: 26 & 27 October 1999

Sample ID	dichloro-difluoro-methane	acetone	carbon disulfide	4-isopropyl-toluene	vinyl chloride	1,2-DCE (total)	1,1-DCA	cis-1,2-DCE	TCE	1,1,1-TCA
MW-6	**3.2J**	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND<5
MW-16	ND <5	**15.0**	**0.94J**	**2.0J**	ND <5	ND <5	ND <5	ND <5	ND <5	ND<5
MW-107S	**13.0**	**7.7**	ND <5	ND <1	**1.4J**	**1.4J**	**4.9J**	**1.4J**	**0.99J**	ND<5
MW-107D	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	**21.0**	ND <5	ND <5	**62.0**
MW-109	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
VGES	*1,000*	*700*	---	---	*2.0*	---	*70*	*70*	*5.0*	*200*

Notes: All results reported as micrograms per liter (ug/L).
ND: None detected at indicated detection limit
J: Trace below quantitation limit
Shaded values indicate exceedance of Vermont Groundwater Enforcement Standards (VGESs).
No petroleum related compounds were detected during the October 1999 sampling event.

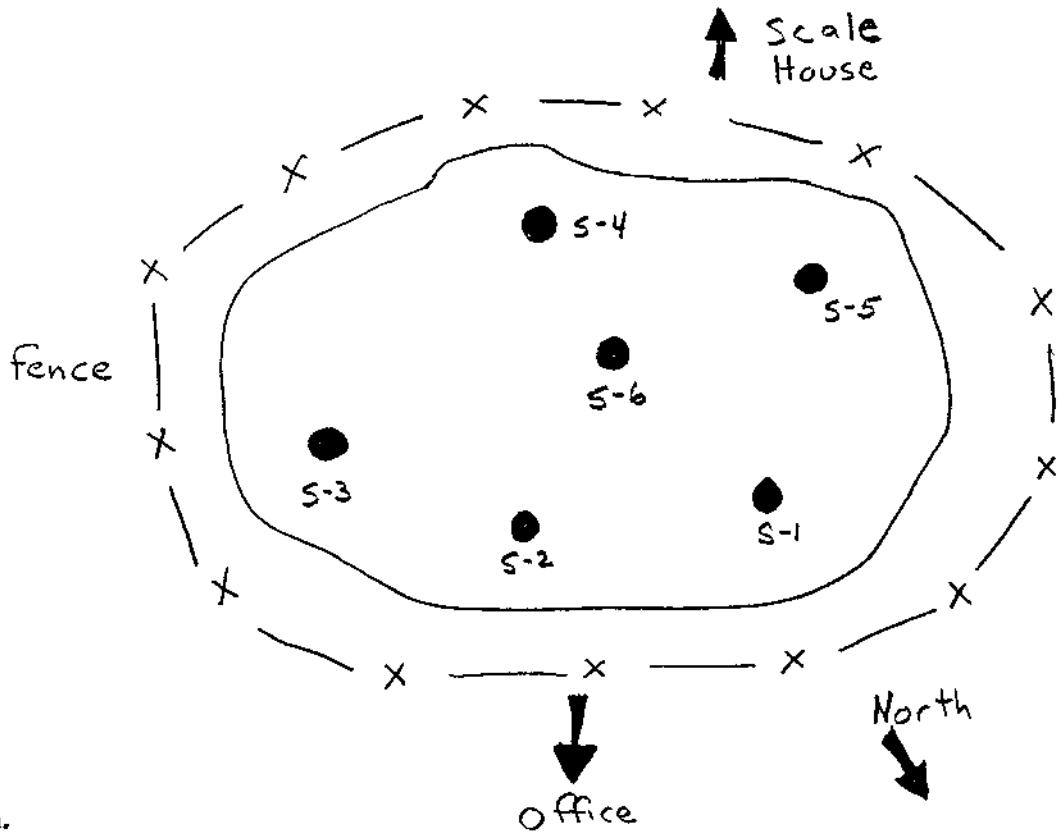
TABLE 3
PID Readings - Soil Stockpile

WSI Moretown Landfill, Inc.
Moretown, VT

Monitoring Date: 9 December 1999

Sample ID	Depth (feet)	PID Reading (ppm)	Comments
S-1	2.0	35.6	Slight petroleum odor
S-2	2.5	20.5	No petroleum odor
S-3	2.5	13.7	No petroleum odor
S-4	2.5	59.1	Slight petroleum odor
S-5	2.5	18.8	Slight petroleum odor
S-6	2.0	21.6	Slight petroleum odor

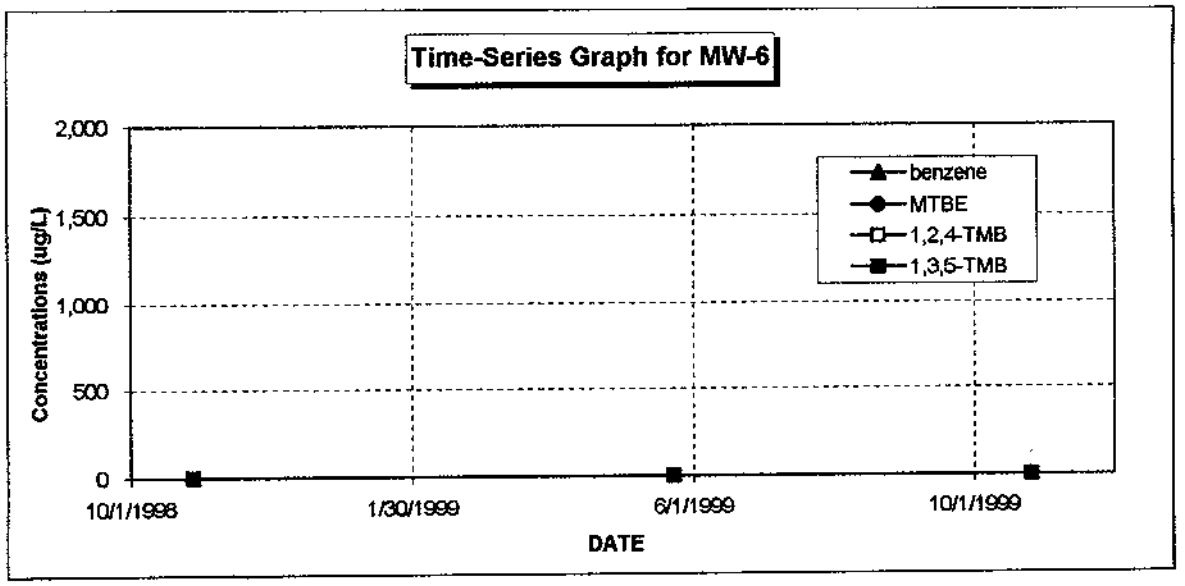
PID = photoionization detector, Photovac model PE 2020
ppm = parts per million
feet = sample depth beneath surface of soil pile.



R.E.A.

99028pid

ATTACHMENT C

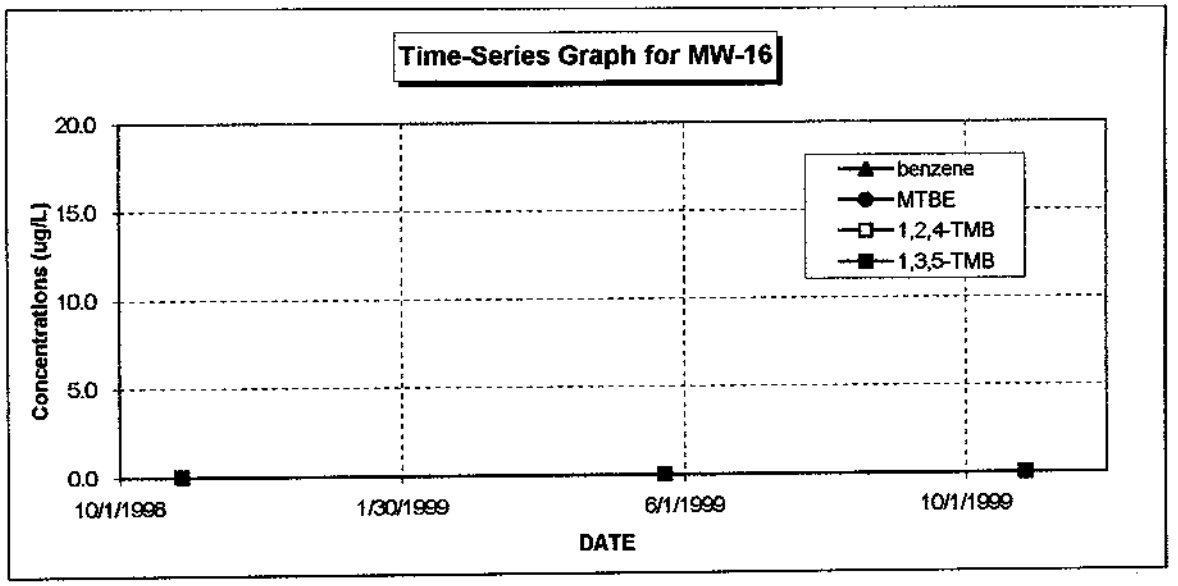


Summary of Ground Water Analytical Results for MW-6

WSI Moretown Landfill, Inc.
Moretown, Vermont

Date	MTBE	benzene	toluene	ethyl benzene	total xylenes	1,3,5-TMB	1,2,4-TMB	naphtha-lene
10/28/1998	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
5/24/1999	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
10/26/1999	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5
VGES	*40*	*5.0*	*1,000*	*700*	*10,000*	*4.0*	*5.0*	*20*

Notes: Results given in micrograms per liter (ug/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
TBQ - Trace below quantitation limit indicated.
VGES - Vermont Groundwater Enforcement Standards

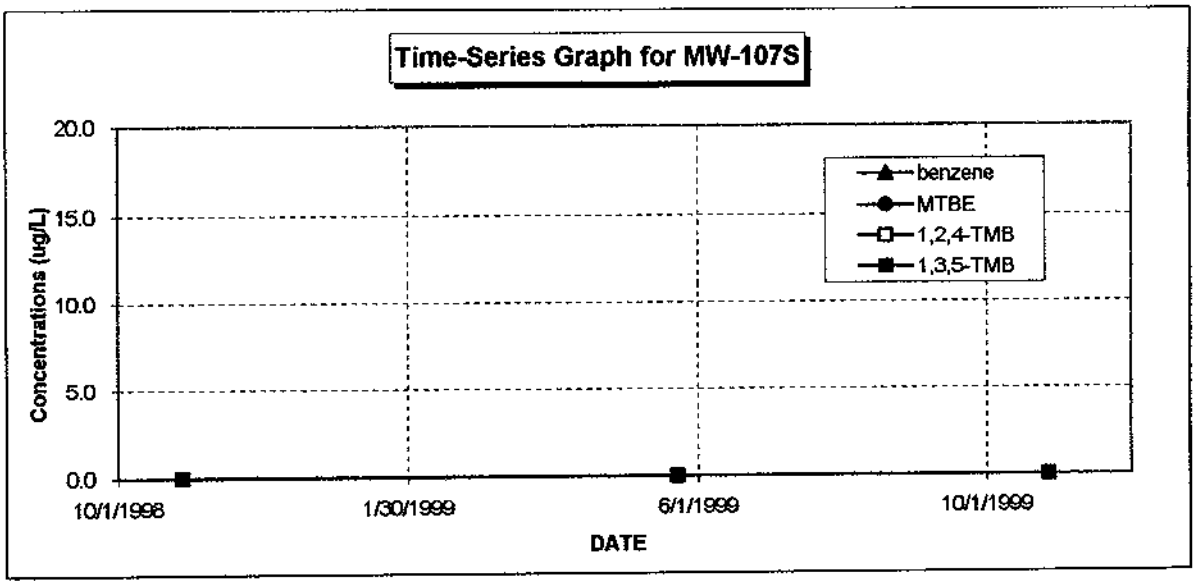


Summary of Ground Water Analytical Results for MW-16

WSI Moretown Landfill, Inc.
Moretown, Vermont

Date	MTBE	benzene	toluene	ethyl benzene	total xylenes	1,3,5-TMB	1,2,4-TMB	naphtha-lene
10/28/1998	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
5/24/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
10/27/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
VGES	*40*	*5.0*	*1,000*	*700*	*10,000*	*4.0*	*5.0*	*20*

Notes: Results given in micrograms per liter (ug/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
TBQ - Trace below quantitation limit indicated.
VGES - Vermont Groundwater Enforcement Standards

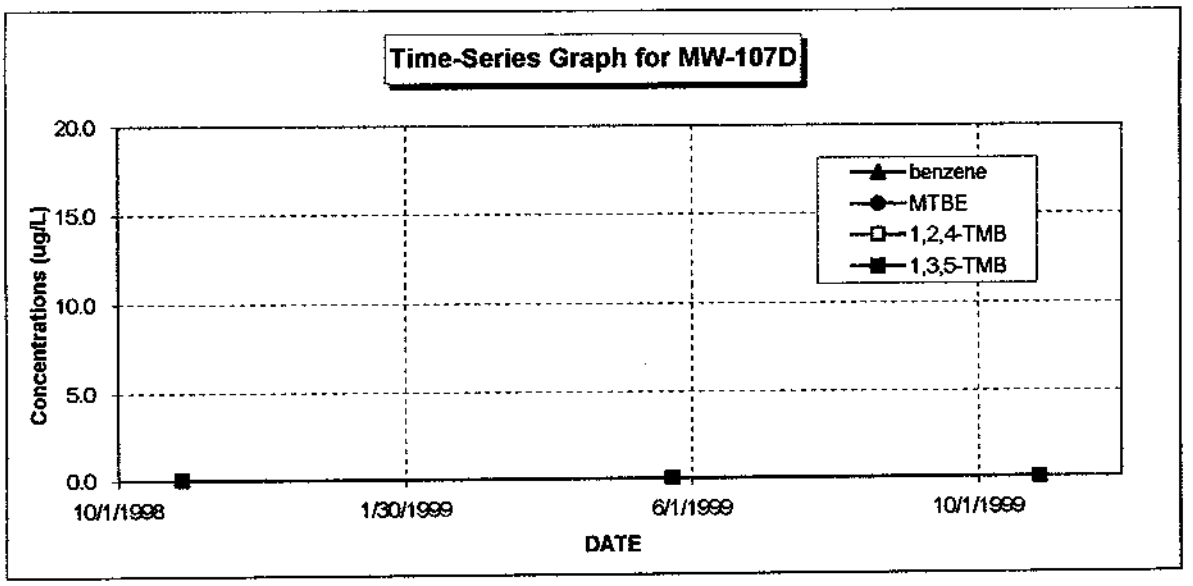


Summary of Ground Water Analytical Results for MW-107S

WSI Moretown Landfill, Inc.
Moretown, Vermont

Date	MTBE	benzene	toluene	ethyl benzene	total xylenes	1,3,5-TMB	1,2,4-TMB	naphtha-lene
10/28/1998	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
5/24/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
10/27/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
VGES	***40***	***5.0***	***1,000***	***700***	***10,000***	***4.0***	***5.0***	***20***

Notes: Results given in micrograms per liter (ug/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
TBQ - Trace below quantitation limit indicated.
VGES - Vermont Groundwater Enforcement Standards

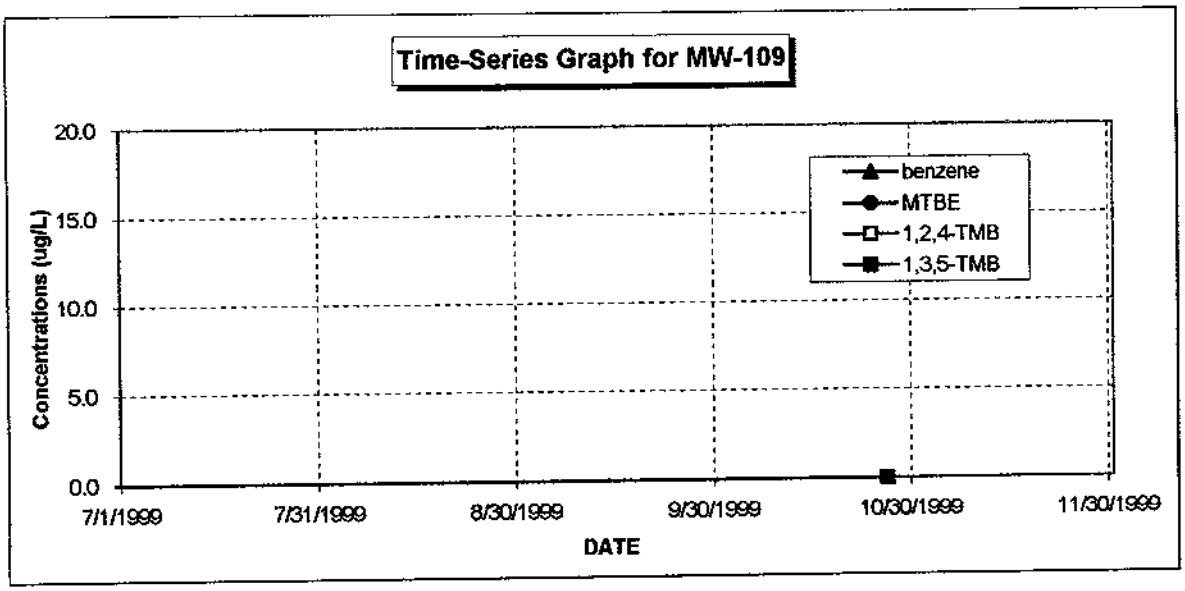


Summary of Ground Water Analytical Results for MW-107D

WSI Moretown Landfill, Inc.
Moretown, Vermont

Date	MTBE	benzene	toluene	ethyl benzene	total xylenes	1,3,5-TMB	1,2,4-TMB	naphtha-lene
10/28/1998	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
5/24/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
10/27/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
VGES	*40*	*5.0*	*1,000*	*700*	*10,000*	*4.0*	*5.0*	*20*

Notes: Results given in micrograms per liter (ug/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
TBQ - Trace below quantitation limit indicated.
VGES - Vermont Groundwater Enforcement Standards



Summary of Ground Water Analytical Results for MW-109

WSI Moretown Landfill, Inc.
Moretown, Vermont

Date	MTBE	benzene	toluene	ethyl benzene	total xylenes	1,3,5-TMB	1,2,4-TMB	naphtha-lene
10/28/1998	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
5/24/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
10/27/1999	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5	ND <5
VGES	***40***	***5.0***	***1,000***	***700***	***10,000***	***4.0***	***5.0***	***20***

Notes: Results given in micrograms per liter (ug/L), unless indicated otherwise.
ND- None detected at indicated detection limit.
TBQ - Trace below quantitation limit indicated.
VGES - Vermont Groundwater Enforcement Standards

ATTACHMENT D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-6

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75732

Matrix: (soil/water) WATER Lab Sample ID: 401404

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401404V

Level: (low/med) LOW Date Received: 10/26/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	3.2	J
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
107-02-8	Acrolein	5.0	U
76-13-1	Freon TF	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Methyl Iodide	5.0	U
75-15-0	Carbon Disulfide	5.0	U
107-05-1	Allyl Chloride	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl Acetate	5.0	U
126-99-8	Chloroprene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
107-12-0	Propionitrile	20	U
126-98-7	Methacrylonitrile	5.0	U
74-97-5	Bromochloromethane	5.0	U
109-99-9	Tetrahydrofuran	50	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-6

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75732

Matrix: (soil/water) WATER Lab Sample ID: 401404

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401404V

Level: (low/med) LOW Date Received: 10/26/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
80-62-6	Methyl Methacrylate	5.0	U
74-95-3	Dibromomethane	5.0	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
97-63-2	Ethyl Methacrylate	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
1476-11-5	cis-1,4-Dichloro-2-butene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-6

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75732

Matrix: (soil/water) WATER Lab Sample ID: 401404

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401404V

Level: (low/med) LOW Date Received: 10/26/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5.0	U
91-20-3	Naphthalene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U
108-86-1	Bromobenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-16

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401618

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401618V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/30/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
107-02-8	Acrolein	5.0	U
76-13-1	Freon TF	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	15	
74-88-4	Methyl Iodide	5.0	U
75-15-0	Carbon Disulfide	0.94	J
107-05-1	Allyl Chloride	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl Acetate	5.0	U
126-99-8	Chloroprene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	20	U
107-12-0	Propionitrile	5.0	U
126-98-7	Methacrylonitrile	5.0	U
74-97-5	Bromochloromethane	50	U
109-99-9	Tetrahydrofuran	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	250	U
78-83-1	Isobutyl Alcohol	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane		

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-16

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401618

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401618V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/30/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
80-62-6	Methyl Methacrylate	5.0	U
74-95-3	Dibromomethane	5.0	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
97-63-2	Ethyl Methacrylate	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
1476-11-5	cis-1,4-Dichloro-2-butene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-16

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401618

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401618V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/30/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5.0	U
91-20-3	Naphthalene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U
108-86-1	Bromobenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	2.0	J
104-51-8	n-Butylbenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-107S

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401603

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401603V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	13	
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	1.4	J
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	2.0	J
75-69-4	Trichlorofluoromethane	5.0	U
107-02-8	Acrolein	5.0	U
76-13-1	Freon TF	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	7.7	
74-88-4	Methyl Iodide	5.0	U
75-15-0	Carbon Disulfide	5.0	U
107-05-1	Allyl Chloride	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	1.4	J
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	4.9	J
108-05-4	Vinyl Acetate	5.0	U
126-99-8	Chloroprene	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.4	J
78-93-3	2-Butanone	5.0	U
107-12-0	Propionitrile	20	U
126-98-7	Methacrylonitrile	5.0	U
74-97-5	Bromochloromethane	5.0	U
109-99-9	Tetrahydrofuran	50	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-107S

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401603

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401603V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	0.99	J
78-87-5	1,2-Dichloropropane	5.0	U
80-62-6	Methyl Methacrylate	5.0	U
74-95-3	Dibromomethane	5.0	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
97-63-2	Ethyl Methacrylate	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
1476-11-5	cis-1,4-Dichloro-2-butene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-107S

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401603

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401603V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5.0	U
91-20-3	Naphthalene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U
108-86-1	Bromobenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-107D

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401605

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401605V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
107-02-8	Acrolein	5.0	U
76-13-1	Freon TF	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Methyl Iodide	5.0	U
75-15-0	Carbon Disulfide	5.0	U
107-05-1	Allyl Chloride	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl Acetate	5.0	U
126-99-8	Chloroprene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
107-12-0	Propionitrile	20	U
126-98-7	Methacrylonitrile	5.0	U
74-97-5	Bromochloromethane	5.0	U
109-99-9	Tetrahydrofuran	50	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-107D

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401605

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401605V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
80-62-6	Methyl Methacrylate	5.0	U
74-95-3	Dibromomethane	5.0	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
97-63-2	Ethyl Methacrylate	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
1476-11-5	cis-1,4-Dichloro-2-butene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-107D

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401605

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401605V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/29/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5.0	U
91-20-3	Naphthalene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U
108-86-1	Bromobenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-109

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401614

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401614V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/30/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
107-02-8	Acrolein	5.0	U
76-13-1	Freon TF	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Methyl Iodide	5.0	U
75-15-0	Carbon Disulfide	5.0	U
107-05-1	Allyl Chloride	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	21	
108-05-4	Vinyl Acetate	5.0	U
126-99-8	Chloroprene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
107-12-0	Propionitrile	20	U
126-98-7	Methacrylonitrile	5.0	U
74-97-5	Bromochloromethane	5.0	U
109-99-9	Tetrahydrofuran	50	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	62	
56-23-5	Carbon Tetrachloride	5.0	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-109

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401614

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401614V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/30/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
80-62-6	Methyl Methacrylate	5.0	U
74-95-3	Dibromomethane	5.0	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethyl Vinyl Ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
97-63-2	Ethyl Methacrylate	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
1476-11-5	cis-1,4-Dichloro-2-butene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

WASPRO SAMPLE NO.

MW-109

Lab Name: SEVERN TRENT LABORATORIES Contract: 97019

Lab Code: INCHVT Case No.: 97019 SAS No.: SDG No.: 75753

Matrix: (soil/water) WATER Lab Sample ID: 401614

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: M401614V

Level: (low/med) LOW Date Received: 10/27/99

% Moisture: not dec. _____ Date Analyzed: 10/30/99

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
87-68-3	Hexachlorobutadiene	5.0	U
91-20-3	Naphthalene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U
108-86-1	Bromobenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U