EMCON/OWT, Inc.

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Mahwah, NJ 07495-0086
201.512.5700
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Shaw® EMCON/OWT, Inc.

January 16, 2004
Project 791158

Mr. George Momberger
Project Manager
NYS Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 252
50 Wolf Road
Albany, NY 12233-7010

File on eDOCs? ____ Yes __X__ No
Site Name _____
Site # _____
County _____
Town _____
Foilable _____ Yes _____ No
Please Write The eDOC File
Name Description _____

Re: November 2003 Semi-annual Monitoring Results
Taylor's Lane Compost Site, Mamaroneck, New York
NYSDEC Site Number 360021

Dear Mr. Momberger:

On November 17, 2003, six groundwater monitoring wells (MW-1D, MW-1S, MW-2D, MW-2S, MW-3D and MW-3S), located along Taylor Lane were purged and sampled. Drawing 1 shows the monitoring well locations. The collected samples were shipped to Columbia Analytical Services and analyzed for metals (arsenic, cadmium, copper, lead, mercury and zinc), as well as for volatile organic compounds (VOCs) in MW-2S only.

In addition to the groundwater sampling, landfill gas vent monitoring was also performed on November 17, 2003. Gas vents GV-1 through GV-8 were monitored for percent combustible gas and total organic vapors. Both the groundwater and soil gas monitoring were performed in accordance with the Post Closure Operation and Maintenance Plan for the Taylor's Lane Compost Site prepared by EMCON/Wehran-New York, Inc. in February 1998.

RESULTS OVERVIEW

The analytical laboratory data summary package and the field data sheets for the groundwater samples collected in November are provided as Attachment A and B, respectively. Table 1 summarizes the detected VOC constituents in MW-2S. The results from the gas vent monitoring and bar hole monitoring are provided as Tables 2 and 3, respectively. Both the groundwater sampling and gas monitoring are discussed below.

GROUNDWATER MONITORING RESULTS

A review of the November 2003 groundwater analytical data indicates that no inorganic constituents were detected at a concentration above the New York State Department of

Conservation (NYSDEC) Part 703 Groundwater Standards. The analytical results for the VOCs in well MW-2S indicate that Methyl-Tert-Butyl-Ether (MTBE) was the only constituents detected at a level greater than the NYSDEC Part 703 Groundwater Standards.

Results for the VOCs were analyzed twice, due to the fact that the concentration of MTBE exceeded the calibration range. Table 1 lists the VOC compounds detected during the November 2003 sampling event at the two different analytical dilutions. Results for the VOCs are being reported as detected with a 1.00 analytical dilution except for MTBE which is being reported as detected with a 10.00 analytical dilution. The analytical results for the VOCs in well MW-2S included Methyl-Tert-Butyl-Ether (MTBE), Vinyl Chloride, and Tert-Butyl-Alcohol, which were detected at concentrations of 250 ug/l, 1.2 ug/l, and 120 ug/l, respectively. MTBE in well MW-2S exceeded the New York State Department of Conservation (NYSDEC) Part 703 Groundwater Guidance Values of 10 ug/l. Monitoring of MW-2S will be continued to assess trends in the detection of VOCs.

Historical Summary Tables for Analytical Parameters and the Historical Groundwater Monitoring Graphs have been provided as Attachments C and D, respectively. Historical Summary Tables for Field Parameters has also been included as Attachment E.

GAS VENT MONITORING RESULTS

For gas vent monitoring in GV-1 through GV-8, a MiniRae PID was used to monitor for fugitive VOCs and a Landtec GEM-500 was used to monitor for combustible gas. The gas vent locations can be referenced on the Record Plan, Drawing No. 1, included with the February 1998 Post Closure Operation and Maintenance Plan. Results for the November 2003 monitoring can be found in Tables 2 and 3.

As evident from the photoionization detection (PID) readings, volatile organic vapors were not detected (ND, non-detect) in any of the gas vents or perimeter probes for the November 2003 sampling event. Methane Gas was detected at GV-4, which had readings of 2.7% methane gas and 54% LEL, and at GV-5, which had 17.1% methane gas and >100% LEL. Historical summary tables for gas vent monitoring, as well as historical gas vent monitoring graphs have been provided as Attachments F and G, respectively.

Based upon the monitoring results for the landfill gas vents, gas vent monitoring will continue during the June 2004 sampling event. The Historical Summaries for Gas Vent Monitoring and Historical Gas Vent Graphs are included in Attachments F and G, respectively.

If you should have any questions regarding the above information, please do not hesitate to contact me at 201-512-5700.

Sincerely,

EMCON/OWT, Inc.

Michael Schumaci
Project Manager

Attachments: Attachment A - Laboratory Data Summary Package
Attachment B - Field Sampling Data Sheets
Attachment C – Historical Summary Tables for Analytical Parameters
Attachment D - Historical Groundwater Monitoring Graphs
Attachment E - Summary of Field Parameters
Attachment F – Historical Summary Tables for Gas Vent Monitoring
Attachment G - Historical Gas Vent Monitoring Graphs
Tables 1, 2, and 3
Drawing No. 1

cc: Leonard M. Verrastro – Village of Mamaroneck

Attachment A

Laboratory Data Summary Package

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

December 16, 2003

Mr. Brian Nichols
Shaw E&I Inc.
Crossroads Corp. Center
1 International Blvd, Ste. 700
Mahwah, NJ 07495

PROJECT:MAMARONECK-TAYLORS LANE 791158-01000000
Submission #:R2319195

Dear Mr. Nichols

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc.

1 Mustard St.• Suite 250 • Rochester, NY 14609 • Tele:(585)288-5380 • Fax:(585)288-8475

Columbia Analytical Services inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	: Shaw E&I Inc.	
Project Reference	: MAMARONECK-TAYLORS LANE	791158-01000000
Lab Submission #	: R2319195	
Project Manager	: Mark Wilson	
Reported	: 12/16/03	

Report Contains a total of 21 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services, Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2319195

Lab ID	Client ID
689477	MW-1D
689478	MW-1S
689479	MW-2D
689480	MW-2S
689481	MW-3D
689482	MW-3S

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2002 SEAL OF EXCELLENCE PROGRAM Environmental

Effective 6/12/2003

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

Columbia Analytical Services INC.
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ACCREDITED IN ACCORDANCE WITH nelac

Service Quality Ethics ACIL 2002 SEAL OF EXCELLENCE PROGRAM Environmental

Effective 6/12/2003

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because of the presence of interference.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-1D

Date Sampled : 11/17/03 **Order #:** 689477 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	12/02/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	11/26/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-1S

Date Sampled : 11/17/03 **Order #:** 689478 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	12/02/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	11/26/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-2D

Date Sampled : 11/17/03 **Order #:** 689479 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	12/02/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	11/26/03	1.0
ZINC	6010B	0.0200	0.0555	MG/L	12/02/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-2S

Date Sampled : 11/17/03 **Order #:** 689480 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	12/02/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	11/26/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-2S

Date Sampled : 11/17/03 **Order #:** 689480 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195 **Analytical Run** 98696

DATE ANALYZED : 11/26/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	0.50 U	UG/L
BROMOBENZENE	0.50	0.50 U	UG/L
BROMOCHLOROMETHANE	0.50	0.50 U	UG/L
BROMODICHLOROMETHANE	0.50	0.50 U	UG/L
BROMOFORM	0.50	0.50 U	UG/L
BROMOMETHANE	0.50	0.50 U	UG/L
TERT-BUTYL ALCOHOL	20	120	UG/L
METHYL-TERT-BUTYL ETHER	0.50	230 E	UG/L
TERT-BUTYLBENZENE	0.50	0.50 U	UG/L
SEC-BUTYLBENZENE	0.50	0.50 U	UG/L
N-BUTYLBENZENE	0.50	0.50 U	UG/L
CARBON TETRACHLORIDE	0.50	0.50 U	UG/L
CHLOROBENZENE	0.50	0.50 U	UG/L
CHLOROETHANE	0.50	0.50 U	UG/L
CHLOROFORM	0.50	0.50 U	UG/L
CHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	0.50 U	UG/L
2-CHLOROTOLUENE	0.50	0.50 U	UG/L
4-CHLOROTOLUENE	0.50	0.50 U	UG/L
DIBROMOCHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMOETHANE	0.50	0.50 U	UG/L
DIBROMOMETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,4-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,3-DICHLOROBENZENE	0.50	0.50 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHENE	0.50	0.50 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
2,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,3-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,1-DICHLOROPROPENE	0.50	0.50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
ETHYLBENZENE	0.50	0.50 U	UG/L
HEXACHLOROBUTADIENE	0.50	0.50 U	UG/L
ISOPROPYLBENZENE	0.50	0.50 U	UG/L
P-ISOPROPYLTOLUENE	0.50	0.50 U	UG/L
METHYLENE CHLORIDE	0.50	0.50 U	UG/L
NAPHTHALENE	0.50	0.50 U	UG/L
N-PROPYLBENZENE	0.50	0.50 U	UG/L

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-2S

Date Sampled : 11/17/03 **Order #:** 689480 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195 **Analytical Run** 98696

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 11/26/03			
ANALYTICAL DILUTION: 1.00			
STYRENE	0.50	0.50 U	UG/L
1,1,1,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
TETRACHLOROETHENE	0.50	0.50 U	UG/L
TOLUENE	0.50	0.50 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	0.50 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	0.50 U	UG/L
TRICHLOROETHENE	0.50	0.50 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	0.50 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
VINYL CHLORIDE	0.50	1.2	UG/L
M+P-XYLENE	0.50	0.50 U	UG/L
O-XYLENE	0.50	0.50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(64 - 127 %)	106	%
1,2-DICHLOROBENZENE-D4	(59 - 136 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-2S

Date Sampled : 11/17/03 **Order #:** 689480 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195 **Analytical Run** 98696

DATE ANALYZED : 11/26/03
ANALYTICAL DILUTION: 10.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	5.0 U	UG/L
BROMOBENZENE	0.50	5.0 U	UG/L
BROMOCHLOROMETHANE	0.50	5.0 U	UG/L
BROMODICHLOROMETHANE	0.50	5.0 U	UG/L
BROMOFORM	0.50	5.0 U	UG/L
BROMOMETHANE	0.50	5.0 U	UG/L
TERT-BUTYL ALCOHOL	20	200 U	UG/L
METHYL-TERT-BUTYL ETHER	0.50	250	UG/L
TERT-BUTYLBENZENE	0.50	5.0 U	UG/L
SEC-BUTYLBENZENE	0.50	5.0 U	UG/L
N-BUTYLBENZENE	0.50	5.0 U	UG/L
CARBON TETRACHLORIDE	0.50	5.0 U	UG/L
CHLOROBENZENE	0.50	5.0 U	UG/L
CHLOROETHANE	0.50	5.0 U	UG/L
CHLOROFORM	0.50	5.0 U	UG/L
CHLOROMETHANE	0.50	5.0 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	5.0 U	UG/L
2-CHLOROTOLUENE	0.50	5.0 U	UG/L
4-CHLOROTOLUENE	0.50	5.0 U	UG/L
DIBROMOCHLOROMETHANE	0.50	5.0 U	UG/L
1,2-DIBROMOETHANE	0.50	5.0 U	UG/L
DIBROMOMETHANE	0.50	5.0 U	UG/L
1,2-DICHLOROBENZENE	0.50	5.0 U	UG/L
1,4-DICHLOROBENZENE	0.50	5.0 U	UG/L
1,3-DICHLOROBENZENE	0.50	5.0 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	5.0 U	UG/L
1,1-DICHLOROETHANE	0.50	5.0 U	UG/L
1,2-DICHLOROETHANE	0.50	5.0 U	UG/L
1,1-DICHLOROETHENE	0.50	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	5.0 U	UG/L
2,2-DICHLOROPROPANE	0.50	5.0 U	UG/L
1,2-DICHLOROPROPANE	0.50	5.0 U	UG/L
1,3-DICHLOROPROPANE	0.50	5.0 U	UG/L
1,1-DICHLOROPROPENE	0.50	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	5.0 U	UG/L
ETHYLBENZENE	0.50	5.0 U	UG/L
HEXACHLOROBUTADIENE	0.50	5.0 U	UG/L
ISOPROPYLBENZENE	0.50	5.0 U	UG/L
P-ISOPROPYLTOLUENE	0.50	5.0 U	UG/L
METHYLENE CHLORIDE	0.50	5.0 U	UG/L
NAPHTHALENE	0.50	5.0 U	UG/L
N-PROPYLBENZENE	0.50	5.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-2S

Date Sampled : 11/17/03 **Order #:** 689480 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195 **Analytical Run** 98696

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 11/26/03			
ANALYTICAL DILUTION: 10.00			
STYRENE	0.50	5.0 U	UG/L
1,1,1,2-TETRACHLOROETHANE	0.50	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	5.0 U	UG/L
TETRACHLOROETHENE	0.50	5.0 U	UG/L
TOLUENE	0.50	5.0 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	5.0 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	5.0 U	UG/L
TRICHLOROETHENE	0.50	5.0 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	5.0 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	5.0 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	5.0 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	5.0 U	UG/L
VINYL CHLORIDE	0.50	5.0 U	UG/L
M+P-XYLENE	0.50	5.0 U	UG/L
O-XYLENE	0.50	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(64 - 127 %)	100	%
1,2-DICHLOROBENZENE-D4	(59 - 136 %)	104	%

COLUMBIA ANALYTICAL SERVICES

Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-3D

Date Sampled : 11/17/03 **Order #:** 689481 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	12/02/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	11/26/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/16/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01000000
Client Sample ID : MW-3S

Date Sampled : 11/17/03 **Order #:** 689482 **Sample Matrix:** WATER
Date Received: 11/18/03 **Submission #:** R2319195

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	12/02/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	12/02/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	12/02/03	1.0
LEAD	6010B	0.00500	0.0215	MG/L	12/02/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	11/26/03	1.0
ZINC	6010B	0.0200	0.0386	MG/L	12/02/03	1.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2319195
Client: Shaw E&I Inc.
MAMARONECK-TAYLORS LANE 791158-01000000

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MERCURY	0.000300 U	0.000981	0.00100	98	80 - 120	98148	MG/L
ARSENIC	0.0100 U	0.0418	0.0400	105	80 - 120	98339	MG/L
CADMIUM	0.00500 U	0.0488	0.0500	98	80 - 120	98339	MG/L
COPPER	0.0200 U	0.251	0.250	100	80 - 120	98339	MG/L
LEAD	0.00500 U	0.480	0.500	96	80 - 120	98339	MG/L
ZINC	0.0200 U	0.522	0.500	104	80 - 120	98339	MG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 695771 ANALYTICAL RUN # : 98696

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 11/26/03			
ANALYTICAL DILUTION: 1.0			
BENZENE	2.00	103	70 - 130
BROMOBENZENE	2.00	102	70 - 130
BROMOCHLOROMETHANE	2.00	106	70 - 130
BROMODICHLOROMETHANE	2.00	100	70 - 130
BROMOFORM	2.00	98	70 - 130
BROMOMETHANE	2.00	119	70 - 130
TERT-BUTYL ALCOHOL	40.0	124	70 - 130
METHYL-TERT-BUTYL ETHER	2.00	122	70 - 130
TERT-BUTYLBENZENE	2.00	97	70 - 130
SEC-BUTYLBENZENE	2.00	101	70 - 130
N-BUTYLBENZENE	2.00	99	70 - 130
CARBON TETRACHLORIDE	2.00	102	70 - 130
CHLOROBENZENE	2.00	103	70 - 130
CHLOROETHANE	2.00	127	70 - 130
CHLOROFORM	2.00	108	70 - 130
CHLOROMETHANE	2.00	117	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	2.00	112	70 - 130
2-CHLOROTOLUENE	2.00	104	70 - 130
4-CHLOROTOLUENE	2.00	100	70 - 130
DIBROMOCHLOROMETHANE	2.00	99	70 - 130
1,2-DIBROMOETHANE	2.00	106	70 - 130
DIBROMOMETHANE	2.00	97	70 - 130
1,2-DICHLOROBENZENE	2.00	110	70 - 130
1,4-DICHLOROBENZENE	2.00	108	70 - 130
1,3-DICHLOROBENZENE	2.00	102	70 - 130
DICHLORODIFLUOROMETHANE	2.00	104	70 - 130
1,1-DICHLOROETHANE	2.00	121	70 - 130
1,2-DICHLOROETHANE	2.00	109	70 - 130
1,1-DICHLOROETHENE	2.00	121	70 - 130
TRANS-1,2-DICHLOROETHENE	2.00	113	70 - 130
CIS-1,2-DICHLOROETHENE	2.00	104	70 - 130
2,2-DICHLOROPROPANE	2.00	108	70 - 130
1,2-DICHLOROPROPANE	2.00	98	70 - 130
1,3-DICHLOROPROPANE	2.00	106	70 - 130
1,1-DICHLOROPROPENE	2.00	103	70 - 130
TRANS-1,3-DICHLOROPROPENE	2.00	101	70 - 130
CIS-1,3-DICHLOROPROPENE	2.00	103	70 - 130
ETHYLBENZENE	2.00	105	70 - 130
HEXACHLOROBUTADIENE	2.00	110	70 - 130
ISOPROPYLBENZENE	2.00	101	70 - 130
P-ISOPROPYLTOLUENE	2.00	104	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 695771 ANALYTICAL RUN # : 98696

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 11/26/03			
ANALYTICAL DILUTION: 1.0			
METHYLENE CHLORIDE	2.00	130	70 - 130
NAPHTHALENE	2.00	108	70 - 130
N-PROPYLBENZENE	2.00	104	70 - 130
STYRENE	2.00	105	70 - 130
1,1,1,2-TETRACHLOROETHANE	2.00	95	70 - 130
1,1,2,2-TETRACHLOROETHANE	2.00	105	70 - 130
TETRACHLOROETHENE	2.00	107	70 - 130
TOLUENE	2.00	105	70 - 130
1,2,4-TRICHLOROBENZENE	2.00	102	70 - 130
1,2,3-TRICHLOROBENZENE	2.00	111	70 - 130
1,1,1-TRICHLOROETHANE	2.00	102	70 - 130
1,1,2-TRICHLOROETHANE	2.00	103	70 - 130
TRICHLOROETHENE	2.00	110	70 - 130
TRICHLOROFLUOROMETHANE	2.00	119	70 - 130
1,2,3-TRICHLOROPROPANE	2.00	114	70 - 130
1,3,5-TRIMETHYLBENZENE	2.00	104	70 - 130
1,2,4-TRIMETHYLBENZENE	2.00	106	70 - 130
VINYL CHLORIDE	2.00	127	70 - 130
M+P-XYLENE	4.00	105	70 - 130
O-XYLENE	2.00	99	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 12/16/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 695770 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 98696

DATE ANALYZED : 11/26/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	0.50 U	UG/L
BROMOBENZENE	0.50	0.50 U	UG/L
BROMOCHLOROMETHANE	0.50	0.50 U	UG/L
BROMODICHLOROMETHANE	0.50	0.50 U	UG/L
BROMOFORM	0.50	0.50 U	UG/L
BROMOMETHANE	0.50	0.50 U	UG/L
TERT-BUTYL ALCOHOL	20	20 U	UG/L
METHYL-TERT-BUTYL ETHER	0.50	0.50 U	UG/L
TERT-BUTYLBENZENE	0.50	0.50 U	UG/L
SEC-BUTYLBENZENE	0.50	0.50 U	UG/L
N-BUTYLBENZENE	0.50	0.50 U	UG/L
CARBON TETRACHLORIDE	0.50	0.50 U	UG/L
CHLOROBENZENE	0.50	0.50 U	UG/L
CHLOROETHANE	0.50	0.50 U	UG/L
CHLOROFORM	0.50	0.50 U	UG/L
CHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	0.50 U	UG/L
2-CHLOROTOLUENE	0.50	0.50 U	UG/L
4-CHLOROTOLUENE	0.50	0.50 U	UG/L
DIBROMOCHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMOETHANE	0.50	0.50 U	UG/L
DIBROMOMETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,4-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,3-DICHLOROBENZENE	0.50	0.50 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHENE	0.50	0.50 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
2,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,3-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,1-DICHLOROPROPENE	0.50	0.50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
ETHYLBENZENE	0.50	0.50 U	UG/L
HEXACHLOROBUTADIENE	0.50	0.50 U	UG/L
ISOPROPYLBENZENE	0.50	0.50 U	UG/L
P-ISOPROPYLTOLUENE	0.50	0.50 U	UG/L
METHYLENE CHLORIDE	0.50	0.50 U	UG/L
NAPHTHALENE	0.50	0.50 U	UG/L
N-PROPYLBENZENE	0.50	0.50 U	UG/L
STYRENE	0.50	0.50 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 12/16/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 695770 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 98696

DATE ANALYZED : 11/26/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
1,1,1,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
TETRACHLOROETHENE	0.50	0.50 U	UG/L
TOLUENE	0.50	0.50 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	0.50 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	0.50 U	UG/L
TRICHLOROETHENE	0.50	0.50 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	0.50 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
VINYL CHLORIDE	0.50	0.50 U	UG/L
M+P-XYLENE	0.50	0.50 U	UG/L
O-XYLENE	0.50	0.50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(64 - 127 %)	101	%
1,2-DICHLOROBENZENE-D4	(59 - 136 %)	100	%

Columbia Analytical Services, Inc.
An Employee - Owned Company
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

SR #

CAS Contact

Project Name: Mamaroneck - Taylors Lane	Project Number: 791158-01000000
Project Manager: Brian Nichols	Report CC:
Company/Address: Shaw Environ/OWT, Inc.	
1 International Blvd. Suite 700	
Mahwah, NJ 07495	
Phone #: 201 512 5700	FAX#: 201 512 5792
Sampler's Signature:	Sampler's Printed Name: Brian Nichols

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 2 | 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	VOA's 524.2	REMARKS/ ALTERNATE DESCRIPTION
MW-1D Set # 1	69477	11-17-03	8:28	AQ	1						1			
MW-1S 2	78		8:58	AQ	1						1			
MW-2D 3	79		9:49	AQ	1						1			
MW-2S 4	80		10:06	AQ	4						1		3	
MW-3D 5	81		10:31	AQ	1						1			
MW-3S Set # 6	82	11-17-03	10:48	AQ	1						1			
1 Temp. Blank														

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS

Metals

Detection Limits must be at or below NYSDEC GA Quality Standards for all Parameters.

See QAPP ☐ metals: As, Cd, Cu, Pb, Hg, Zn

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: 12319195

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Brian Nichols	Printed Name: Brian Colton	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw Environ/OWT	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11-17-03 14:50	Date/Time: 11/18/03 950	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Emcon Submission Number 19195

Cooler received on 11/18/03 by: BC **COURIER:** CAS (UPS) FEDEX CD&L CLIENT

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	1°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 11/18/03 955

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 11/18/03 by: BC

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3	✓				
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments:

Attachment B

Field Sampling Data Sheets

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-1S
sample date/time: 11/17/2003 8:58
(lab) sample number: Set #2
field personnel: Brian Nichols
project: Mamaroneck
James Deacon
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp)
Overcast, Rain, ~45 F

SAMPLE TYPE

[ ] composite [X] grab
[X] groundwater [ ] surface water [ ] soil [ ] sediment
[ ] leachate [ ] industrial [ ] storm sewer [ ] gas
[ ] other

MONITORING WELL DATA

casing diameter: 2" [ ] PVC [X] steel [ ] other
static water level: 2.11 from [X] well casing from [ ] protective casing
bottom depth: 19.66 from [X] well casing from [ ] protective casing
static water level indicator type [ ] steel tape [X] electronic [ ] other
linear conversion: 0.16 water volume in well: 2.81 gallons
well condition: Good

MONITORING WELL PURGE DATA

[X] submersible pump [ ] PVC bailer [ ] suction pump [ ] teflon bailer
[ ] poly bailer [ ] poly cup [ ] other
dedicated purge equipment ? [X] yes [ ] no
pumping rate: 0.882353 elapsed time: 17
bail volume: number of bails:
volume purged: 15 gallons well volumes: 5.34
time purge complete: 8:57 well evacuated ? [ ] yes [X] no

SAMPLING DATA

[ ] pump [ ] PVC bailer [X] poly bailer [ ] teflon bailer
[ ] stainless bucket [ ] poly cup [ ] tedlar bag [ ] direct
[ ] hand corer [ ] hand auger [ ] stainless spoon [ ] split spoon
[ ] other
dedicated sampling equipment ? [ ] yes [X] no
metals field filtered ? [ ] yes [X] no
depth of sample: ~ 6'
sample containers: One container

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [ ] no [ ] yes
color ? [X] no [ ] yes
[X] clear [ ] turbid [ ] sheen [ ] immiscible product
[ ] other
pH (SU): 6.46 temp (C): 13.5 cond (omhos): 866
ORP (mv): 18.5 turbidity (NTUs): 2.95 PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-1D
(lab) sample number: Set #1
project: Mamaroneck
project number: 791158-01000000
weather conditions(estimate wind,cloud,precip,humidity,temp): Overcast, Rain, ~45 F
sample date/time: 11/17/2003 8:28
field personnel: Brian Nichols; James Deacon
observer:

SAMPLE TYPE

- [ ] composite
- [X] grab
- [X] groundwater
- [ ] surface water
- [ ] soil
- [ ] sediment
- [ ] leachate
- [ ] industrial
- [ ] storm sewer
- [ ] gas
- [ ] other

MONITORING WELL DATA

casing diameter: 2"
- [ ] PVC
- [X] steel
- [ ] other

static water level: 1.66
- from [X] well casing
- from [ ] protective casing

bottom depth: 66.55
- from [X] well casing
- from [ ] protective casing

static water level indicator type
- [ ] steel tape
- [X] electronic
- [ ] other

linear conversion: 0.16
water volume in well: 10.38 gallons
well condition: Good

MONITORING WELL PURGE DATA

- [X] submersible pump
- [ ] PVC bailer
- [ ] suction pump
- [ ] teflon bailer
- [ ] poly bailer
- [ ] poly cup
- [ ] other

dedicated purge equipment ?
- [ ] yes
- [X] no

pumping rate: 2.533333
elapsed time: 15
bail volume:
number of bails:
volume purged: 38 gallons
well volumes: 3.66
time purge complete: 8:26
well evacuated ?
- [ ] yes
- [X] no

SAMPLING DATA

- [ ] pump
- [ ] PVC bailer
- [X] poly bailer
- [ ] teflon bailer
- [ ] stainless bucket
- [ ] poly cup
- [ ] tedlar bag
- [ ] direct
- [ ] hand corer
- [ ] hand auger
- [ ] stainless spoon
- [ ] split spoon
- [ ] other

dedicated sampling equipment ?
- [ ] yes
- [X] no

metals field filtered ?
- [ ] yes
- [X] no

depth of sample: ~3'
sample containers: One container

PHYSICAL AND CHEMICAL DATA

odor ?
- [ ] no
- [X] yes — Slight Sulfur

sediment ?
- [ ] no
- [ ] yes

color ?
- [X] no
- [ ] yes

- [X] clear
- [ ] turbid
- [ ] sheen
- [ ] immiscible product
- [ ] other

pH (SU): 8.2
temp (C): 12
cond (omhos): 465
ORP (mv): -80.1
turbidity (NTUs): 4.06
PID (ppm):

comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-2S
(lab) sample number: Set #4
project: Mamaroneck
project number: 791158-01000000
weather conditions(estimate wind,cloud,precip,humidity,temp): Overcast, Rain, ~45 F
sample date/time: 11/17/2003 10:06
field personnel: Brian Nichols; James Deacon
observer:

SAMPLE TYPE

[ ] composite [X] grab
[X] groundwater [ ] surface water [ ] soil [ ] sediment
[ ] leachate [ ] industrial [ ] storm sewer [ ] gas
[ ] other

MONITORING WELL DATA

casing diameter: 2" [ ] PVC [X] steel [ ] other
static water level: 1.80 from [X] well casing from [ ] protective casing
bottom depth: 18.53 from [X] well casing from [ ] protective casing
static water level indicator type [ ] steel tape [X] electronic [ ] other
linear conversion: 0.16 water volume in well: 2.68 gallons
well condition: Good

MONITORING WELL PURGE DATA

[X] submersible pump [ ] PVC bailer [ ] suction pump [ ] teflon bailer
[ ] poly bailer [ ] poly cup [ ] other
dedicated purge equipment ? [ ] yes [X] no
pumping rate: 2.5 elapsed time: 4
bail volume: number of bails:
volume purged: 10 gallons well volumes: 3.74
time purge complete: 10:04 well evacuated ? [ ] yes [X] no

SAMPLING DATA

[ ] pump [ ] PVC bailer [X] poly bailer [ ] teflon bailer
[ ] stainless bucket [ ] poly cup [ ] tedlar bag [ ] direct
[ ] hand corer [ ] hand auger [ ] stainless spoon [ ] split spoon
[ ] other
dedicated sampling equipment ? [ ] yes [X] no
metals field filtered ? [ ] yes [X] no
depth of sample: ~4'
sample containers: One container and three VOA's

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [ ] no [ ] yes
color ? [X] no [ ] yes
[X] clear [ ] turbid [ ] sheen [ ] immiscible product
[ ] other
pH (SU): 7.33 temp (C): 13.4 cond (omhos): 762
ORP (mv): -28.2 turbidity (NTUs): 1.92 PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-2D
sample date/time: 11/17/2003 9:49
(lab) sample number: Set #3
field personnel: Brian Nichols
project: Mamaroneck
James Deacon
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): Overcast, Rain, ~45 F

SAMPLE TYPE

- [ ] composite
- [X] grab
- [X] groundwater
- [ ] surface water
- [ ] soil
- [ ] sediment
- [ ] leachate
- [ ] industrial
- [ ] storm sewer
- [ ] gas
- [ ] other

MONITORING WELL DATA

casing diameter: 2" — [ ] PVC [X] steel [ ] other
static water level: 1.25 — from [X] well casing from [ ] protective casing
bottom depth: 64.22 — from [X] well casing from [ ] protective casing
static water level indicator type: [ ] steel tape [X] electronic [ ] other
linear conversion: 0.16 water volume in well: 10.08 gallons
well condition: Good

MONITORING WELL PURGE DATA

- [X] submersible pump
- [ ] PVC bailer
- [ ] suction pump
- [ ] teflon bailer
- [ ] poly bailer
- [ ] poly cup
- [ ] other

dedicated purge equipment ? [ ] yes [X] no

pumping rate: 3.181818 elapsed time: 11
bail volume: number of bails:
volume purged: 35 gallons well volumes: 3.47
time purge complete: 9:47 well evacuated ? [ ] yes [X] no

SAMPLING DATA

- [ ] pump
- [ ] PVC bailer
- [X] poly bailer
- [ ] teflon bailer
- [ ] stainless bucket
- [ ] poly cup
- [ ] tedlar bag
- [ ] direct
- [ ] hand corer
- [ ] hand auger
- [ ] stainless spoon
- [ ] split spoon
- [ ] other

dedicated sampling equipment ? [ ] yes [X] no
metals field filtered ? [ ] yes [X] no

depth of sample: ~ 4 '
sample containers: One container

PHYSICAL AND CHEMICAL DATA

odor ? [ ] no [X] yes
sediment ? [ ] no [ ] yes
color ? [X] no [ ] yes
[ ] clear [X] turbid [ ] sheen [ ] immiscible product
[ ] other

pH (SU): 7.77 temp (C): 12.1 cond (omhos): 483
ORP (mv): -53.5 turbidity (NTUs): 58.6 PID (ppm):
comments/remarks:

FIELD SAMPLING DATA SHEET

sample ID: MW-3S
sample date/time: 11/17/2003 10:48
(lab) sample number: Set #6
field personnel: Brian Nichols
project: Mamaroneck
James Deacon
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp)
Overcast, Rain, ~45 F

SAMPLE TYPE

[ ] composite [X] grab
[X] groundwater [ ] surface water [ ] soil [ ] sediment
[ ] leachate [ ] industrial [ ] storm sewer [ ] gas
[ ] other

MONITORING WELL DATA

casing diameter: 2" [ ] PVC [X] steel [ ] other
static water level: 2.19 from [X] well casing from [ ] protective casing
bottom depth: 20.08 from [X] well casing from [ ] protective casing
static water level indicator type [ ] steel tape [X] electronic [ ] other
linear conversion: 0.16 water volume in well: 2.86 gallons
well condition: Good

MONITORING WELL PURGE DATA

[X] submersible pump [ ] PVC bailer [ ] suction pump [ ] teflon bailer
[ ] poly bailer [ ] poly cup [ ] other
dedicated purge equipment ? [X] yes [ ] no
pumping rate: 1.428571 elapsed time: 7
bail volume: number of bails:
volume purged: 10 gallons well volumes: 3.49
time purge complete: 10:47 well evacuated ? [ ] yes [X] no

SAMPLING DATA

[ ] pump [ ] PVC bailer [X] poly bailer [ ] teflon bailer
[ ] stainless bucket [ ] poly cup [ ] tedlar bag [ ] direct
[ ] hand corer [ ] hand auger [ ] stainless spoon [ ] split spoon
[ ] other
dedicated sampling equipment ? [ ] yes [X] no
metals field filtered ? [ ] yes [X] no
depth of sample: ~ 5 '
sample containers: One container

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [ ] no [ ] yes
color ? [X] no [ ] yes
[ ] clear [X] turbid [ ] sheen [ ] immiscible product
[ ] other
pH (SU): 7.65 temp (C): 13.1 cond (omhos): 564
ORP (mv): 56.4 turbidity (NTUs): 296 PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-3D
(lab) sample number: Set #6
project: Mamaroneck
project number: 791158-01000000
weather conditions(estimate wind,cloud,precip,humidity,temp): Overcast, Rain, ~45 F
sample date/time: 11/17/2003 10:31
field personnel: Brian Nichols; James Deacon
observer:

SAMPLE TYPE

[ ] composite [X] grab
[X] groundwater [ ] surface water [ ] soil [ ] sediment
[ ] leachate [ ] industrial [ ] storm sewer [ ] gas
[ ] other

MONITORING WELL DATA

casing diameter: 2" [ ] PVC [X] steel [ ] other
static water level: 1.61 from [X] well casing from [ ] protective casing
bottom depth: 33.50 from [X] well casing from [ ] protective casing
static water level indicator type [ ] steel tape [X] electronic [ ] other
linear conversion: 0.16 water volume in well: 5.10 gallons
well condition: Good

MONITORING WELL PURGE DATA

[X] submersible pump [ ] PVC bailer [ ] suction pump [ ] teflon bailer
[ ] poly bailer [ ] poly cup [ ] other
dedicated purge equipment ? [ ] yes [X] no
pumping rate: 2.222222 elapsed time: 9
bail volume: number of bails:
volume purged: 20 gallons well volumes: 3.92
time purge complete: 10:30 well evacuated ? [ ] yes [X] no

SAMPLING DATA

[ ] pump [ ] PVC bailer [X] poly bailer [ ] teflon bailer
[ ] stainless bucket [ ] poly cup [ ] tedlar bag [ ] direct
[ ] hand corer [ ] hand auger [ ] stainless spoon [ ] split spoon
[ ] other
dedicated sampling equipment ? [ ] yes [X] no
metals field filtered ? [ ] yes [X] no
depth of sample: ~ 5 '
sample containers: One container

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [ ] no [ ] yes
color ? [X] no [ ] yes
[X] clear [ ] turbid [ ] sheen [ ] immiscible product
[ ] other
pH (SU): 7.46 temp (C): 11.9 cond (omhos): 729
ORP (mv): -33.5 turbidity (NTUs): 0.81 PID (ppm):
comments/remarks:

Attachment C

Historical Summary Tables for Analytical Parameters

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Well Identification							
Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Arsenic	5/22/1997	3.7 B	4.9 B	4.4 B	7.9 B	7.1 B	7.2 B
GW Standard 25.0 ug/L	11/14/1997	17.2	5.2 B	5.9 B	4.6 B	14.4	9.1 B
	5/19/1998	8.3 B	9.1 B	7.6 B	7.6 B	15.2	13.1
	11/5/1998	24.5	34.2	21.4	13.4	2.2 U	2.2 U
	5/25/1999	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
	11/18/1999	2.9 U	2.9 U	2.9 U	2.9 U	7.8	2.9 U
	6/28/2000	2.9 U	2.9 U	2.9 U	2.9 U	3.6 B	2.9 U
	11/15/2000	11.2	10 U	10 U	10 U	10 U	10 U
	6/20/2001	3.5 U	3.5 U	3.5 U	3.5 U	6.87	3.5 U
	11/29/2001	10 U	10 U	10 U	10 U	10 U	10 U
	6/26/2002	10 U	10 U	10 U	10 U	10 U	10 U
	11/19/2002	10 U	10 U	10 U	10 U	10 U	10 U
	6/24/2003	10 U	10 U	10 U	10 U	10 U	10 U
	11/17/2003	10 U	10 U	10 U	10 U	10 U	10 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Analytical Parameter	Sampling Date	Well Identification					
		MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Cadmium	5/22/1997	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
GW Standard 5.0 ug/L	11/14/1997	3.3 B	0.6 U	1.2 B	0.85 B	2.8 B	1.9 B
	5/19/1998	0.81 B	0.2 B	0.67 B	0.36 B	1.3 B	2.6 B
	11/5/1998	1.1 B	0.75 U	0.87 B	1.2 B	4.2 B	0.75 U
	5/25/1999	1.4 B	0.57 U	0.57 U	0.57 U	0.57 U	4.9 B
	11/18/1999	2.8	0.34 U	2.1	0.34 U	4.8	1.6
	6/28/2000	1.1 B	0.22 U	1.4 B	0.22 U	1.1 B	0.22 U
	11/15/2000	5 U	5 U	5 U	5 U	5 U	5.1
	6/20/2001	3.21	2.33	4	0.85 U	4.54	0.85 U
	11/29/2001	5 U	5 U	5 U	5 U	5 U	5 U
	6/26/2002	5 U	5 U	5 U	5 U	5 U	5 U
	11/19/2002	5 U	5 U	5 U	5 U	5 U	5 U
	6/24/2003	5 U	5 U	5 U	5 U	5 U	5 U
	11/17/2003	5 U	5 U	5 U	5 U	5 U	5 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Well Identification							
Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Copper	5/22/1997	5.7 B	3.6 B	19.9 B	1.7 U	18.8 B	14.5 B
GW Standard 200 ug/L	11/14/1997	46.5	13.1 B	34.2	7.7 B	74.3	35.3
	5/19/1998	9.3 B	3.7 B	5.7 B	4.5 B	26.8	12.3 B
	11/5/1998	8.3 B	16.6 B	13.9 B	77.4	15.5 B	85.8
	5/25/1999	6.8 B	21.4 B	7.2 B	18.5 B	9.4 B	17.5 B
	11/18/1999	21.8	23.1	103	7.6	**478**	22.1
	6/28/2000	3.7 U	15 B	36	3.7 U	**255**	3.7 U
	11/15/2000	87	38.4	20 U	20 U	43.2	20 U
	6/20/2001	10.3	17.7	145	17.1	**520**	16
	11/29/2001	20 U	20 U	25.9	20 U	**204**	20 U
	6/26/2002	20 U	23	20 U	20 U	20 U	20 U
	11/19/2002	20 U	40	47	20 U	20 U	20 U
	6/24/2003	20 U	20 U	20 U	20 U	20 U	20 U
	11/17/2003	20 U	20 U	20 U	20 U	20 U	20 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Well Identification							
Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Lead	5/22/1997	1.1 U	1.1 U	4.4	1.1 U	12.7	21.2
GW Standard 25 ug/L	11/14/1997	2.4 B	0.7 U	2.9 B	0.7 U	**36.1**	18.2
	5/19/1998	1.4 B	0.7 U	0.81 B	0.7 U	14.6	16.6
	11/5/1998	1.8 U	1.8 U	1.8 U	1.8 U	6.1	23.5
	5/25/1999	1.8 U	1.8 U	1.8 U	1.8 U	13	12.7
	11/18/1999	0.99 U	0.99 U	21	0.99 U	**68**	3.6
	6/28/2000	2.3 U	**44.4**	7.2	2.3 U	**98.5**	17.5
	11/15/2000	5 U	**91.8**	8.05	5 U	22.5	19.6
	6/20/2001	1.69	**37.9**	**45.2**	5.13	**62.3**	7.28
	11/29/2001	5 U	5 U	5 U	5 U	21.5	5 U
	6/26/2002	5 U	5 U	5.88	5 U	5 U	5 U
	11/19/2002	5 U	5.64	13.2	5 U	5.07	5 U
	6/24/2003	5 U	5 U	5 U	5 U	6.81	5 U
	11/17/2003	5 U	5 U	5 U	5 U	21.5	5 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Well Identification							
Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Mercury	5/22/1997	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GW Standard 0.7 ug/L	11/14/1997	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	5/19/1998	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	11/5/1998	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	5/25/1999	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	11/18/1999	0.04 U	0.04 U	0.09	0.04 U	0.27	0.04 U
	6/28/2000	0.05 B	0.01 U	0.02 B	0.01 U	0.34	0.04 B
	11/15/2000	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
	6/20/2001	0.03 U	0.03 U	0.03 U	0.03 U	0.28	0.03 U
	11/29/2001	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	6/26/2002	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/19/2002	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	6/24/2003	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/17/2003	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Well Identification							
Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Zinc	5/22/1997	20	17.2 B	31.3	12.6 B	83.7	**931**
GW Standard 300 ug/L	11/14/1997	74.2	37	75	10.6 B	102	**514**
	5/19/1998	130	12.7 B	23.7	10.6	48.7	**806**
	11/5/1998	13.9 B	27.9	23.3	51.4	29.9	**659**
	5/25/1999	15 B	36.7	16.2 B	8.8	21.8	**558**
	11/18/1999	26.8	38	95.6	20.4	102	101
	6/28/2000	7.9 B	104	202	21.3	432	**941**
	11/15/2000	20 U	**1650**	52.8	26.8	122	**2040**
	6/20/2001	25	**630**	274	72.6	**314**	246
	11/29/2001	20 U	29.5	23.1	20 U	56.5	56.4
	6/26/2002	20 U	28.2	76.8	20 U	20 U	20 U
	11/19/2002	20 U	69.6	65.2	20 U	20 U	20 U
	6/24/2003	20 U	20 U	20 U	42.9	20 U	20 U
	11/17/2003	20 U	20 U	20 U	55.5	38.6	20 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Historically Detected
VOC Compounds
(concentration in ug/l)

Sampling Date	Analytical Parameters							
	Vinyl Chloride		1, 2-Dichloroethene		MTBE		Tert-Butyl-Alcohol	
Standard	2.0		5.0		10.0		-	
5/22/1997	4	J	2	J	-		-	
11/14/1997	21		3	J	-		-	
5/19/1998	17		3	J	-		-	
11/5/1998	14		3	J	-		-	
5/25/1999	13		2	J	-		-	
11/18/1999	6	J	10	U	-		-	
6/28/2000	7.8		1.6		-		-	
11/15/2000	5	U	5	U	-		-	
6/20/2001	7.6		1.2		190		-	
11/29/2001	2.5	U	0.5	U	82		270	
6/26/2002	1.6		1	U	50		130	
11/19/2002	5	U	5	U	56		210	
6/24/2003	3.3		0.5	U	270		0	
11/17/2003	1.2		0.5	U	250		120	

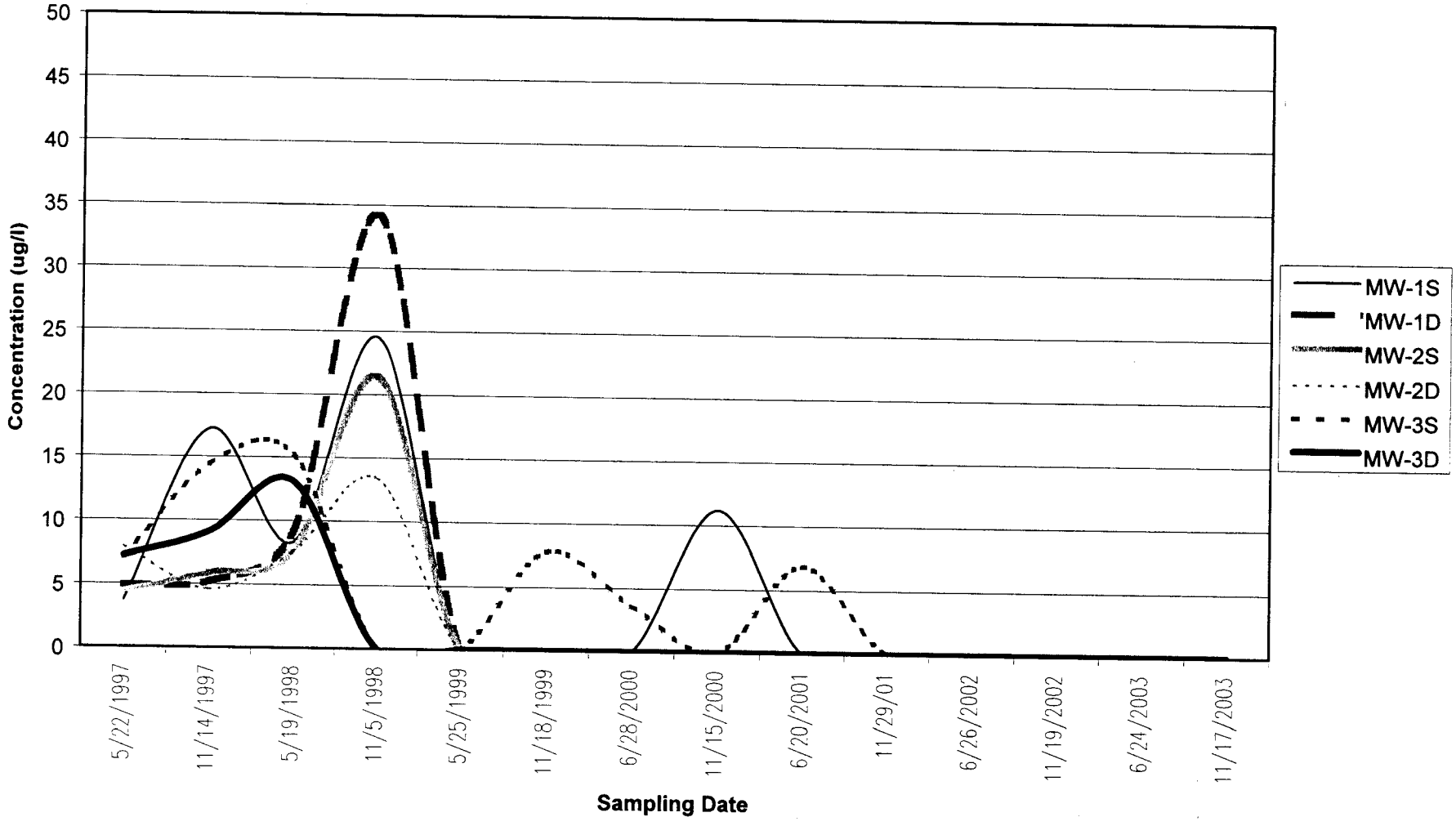
U - Compound not detected

J - Estimated value, less than detection limit

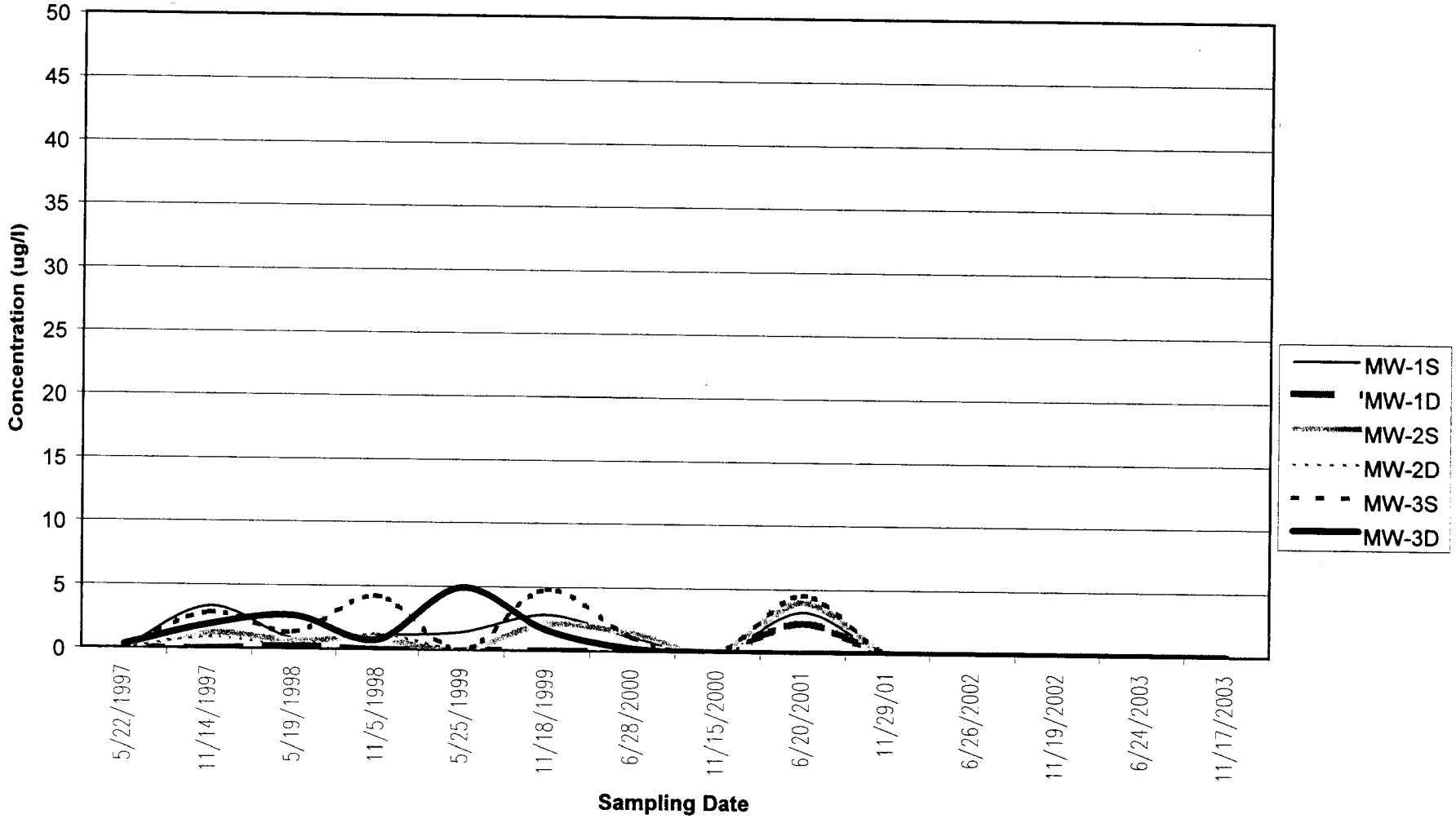
Attachment D

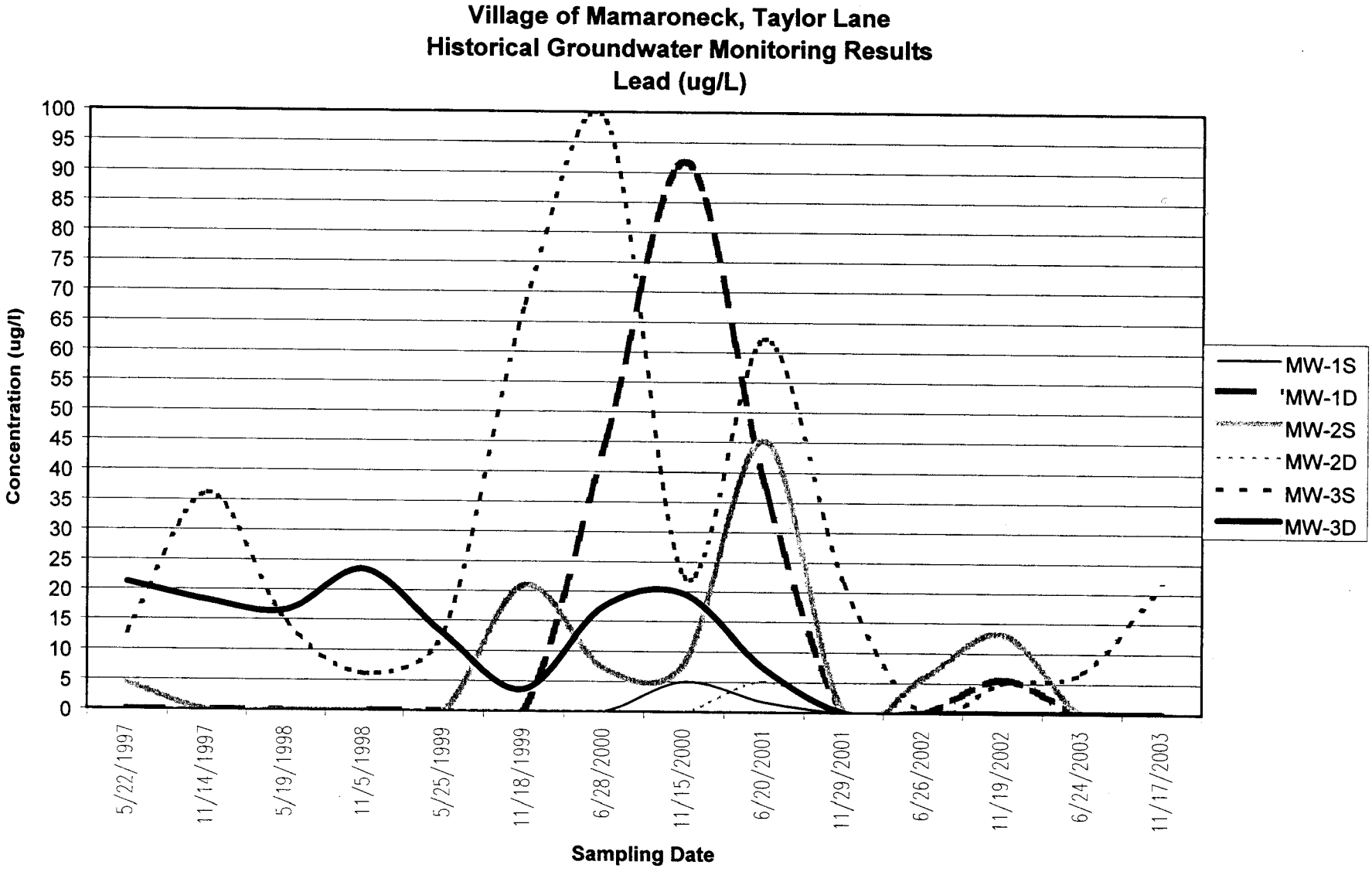
Historical Groundwater Monitoring Graphs

Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Arsenic (ug/L)

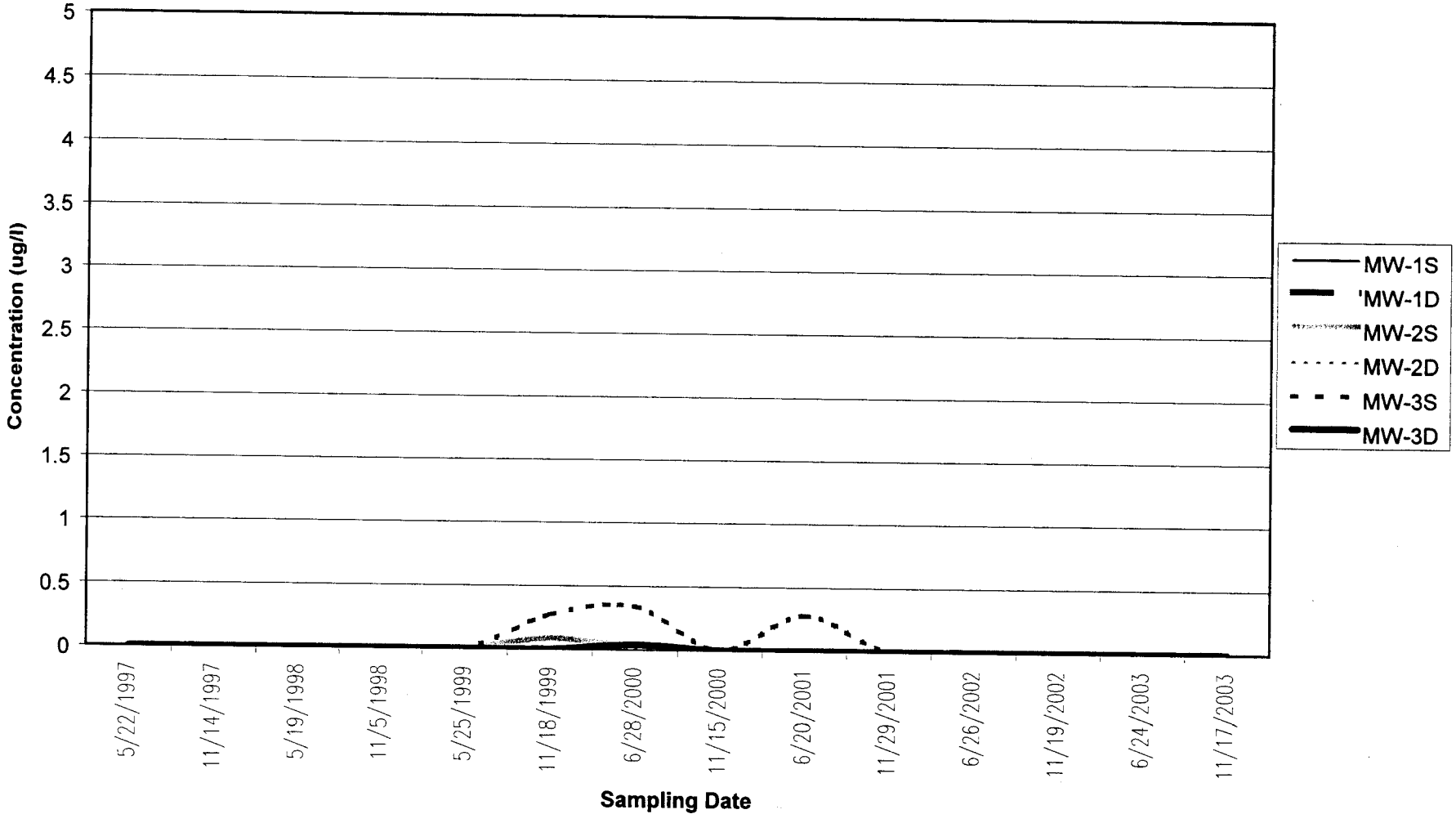


Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Cadmium (ug/L)

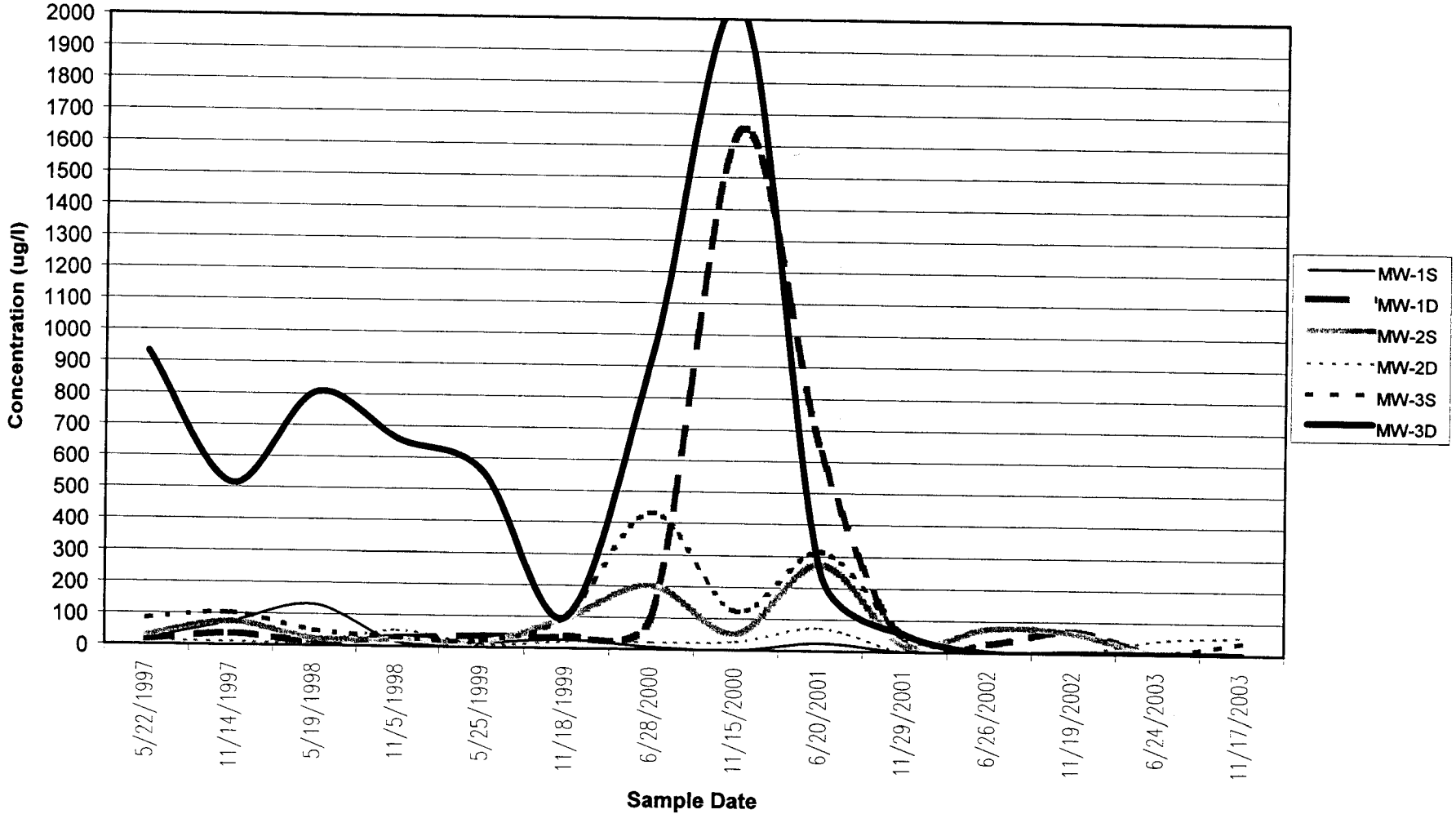



Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Lead (ug/L)
Concentration (ug/l)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
5/22/1997
11/14/1997
5/19/1998
11/5/1998
5/25/1999
11/18/1999
6/28/2000
11/15/2000
6/20/2001
11/29/2001
6/26/2002
11/19/2002
6/24/2003
11/17/2003
Sampling Date
MW-1S
'MW-1D
MW-2S
MW-2D
MW-3S
MW-3D

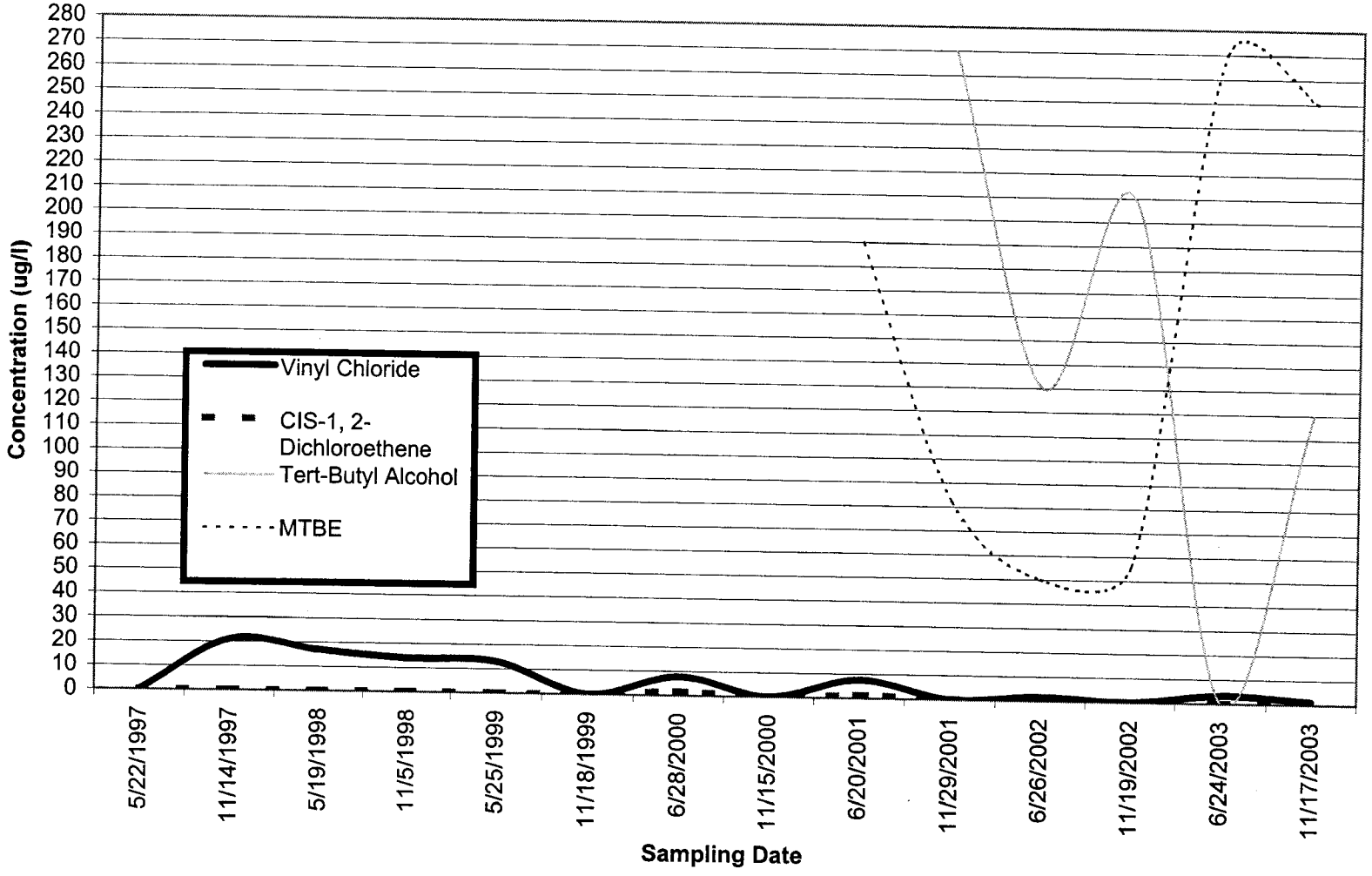
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Mercury (ug/L)



Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Zinc (ug/L)



Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results for VOC Compounds in MW-2S



Attachment E

Historical Summary Tables for Field Parameters

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (umho's/cm)
MW-1S	5/22/1997	15.1	6.82	0.8	720
	11/14/1997	12.8	6.64	102.5	904
	5/19/1998	17.1	5.63	73.4	700
	11/5/1998	16.5	6.08	48.6	800
	5/25/1999	14.9	6.22	33.3	800
	11/18/1999	14.4	6.12	50.5	720
	6/28/2000	18.1	6.53	11.0	700
	11/15/2000	11.3	6.10	-45.8	600
	6/20/2001	17.8	6.40	24.4	560
	11/29/2001	13.2	5.91	50.4	455
	6/26/2002	17.1	6.24	38.2	550
	11/19/2002	12.9	6.29	21.1	768
	6/24/2003	14.5	6.21	68.5	941
	11/17/2003	13.5	6.46	18.5	866

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (umho's/cm)
MW-1D	5/22/1997	16.0	6.72	4.7	430
	11/14/1997	11.4	7.41	82.0	596
	5/19/1998	18.6	7.19	-10.8	448
	11/5/1998	16.2	7.05	-26.2	600
	5/25/1999	17.5	6.32	28.6	449
	11/18/1999	12.8	7.88	-44.5	550
	6/28/2000	18.9	8.08	-79.3	500
	11/15/2000	12.2	7.78	-39.3	420
	6/20/2001	18.1	8.12	-73.8	540
	11/29/2002	13.0	7.25	-39.6	450
	6/26/2002	17.8	7.82	-48.9	450
	11/19/2002	12.6	7.64	-56.9	486
	6/24/2003	14.9	8.06	-23.2	573
	11/17/2003	12.0	8.20	-80.1	465

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (umho's/cm)
MW-2S	5/22/1997	12.7	6.93	-7.0	550
	11/14/1997	15.9	7.00	36.5	932
	5/19/1998	14.3	7.34	-15.0	472
	11/5/1998	16.0	6.91	2.0	750
	5/25/1999	13.6	6.50	17.1	700
	11/18/1999	13.7	7.13	-5.8	803
	6/28/2000	17.5	7.39	-39.0	700
	11/15/2000	11.9	6.80	-9.3	600
	6/20/2001	17.8	7.29	-27.9	560
	11/29/2001	13.3	6.52	15.7	570
	6/26/2002	17.8	7.19	-13.5	570
	11/19/2002	13.2	7.15	-27.8	771
	6/24/2003	13.9	7.37	9.7	895
	11/17/2003	13.4	7.33	-28.2	762

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (umho's/cm)
MW-2D	5/22/1997	13.5	7.16	-22.5	320
	11/14/1997	13.8	7.47	1.6	502
	5/19/1998	15.7	7.32	-20.8	322
	11/5/1998	15.4	7.28	-19.3	330
	5/25/1999	14.9	6.76	1.4	340
	11/18/1999	12.7	7.91	-48.0	500
	6/28/2000	16.2	7.78	-58.3	370
	11/15/2001	12.1	7.58	-3.2	330
	6/20/2001	15.3	7.86	-60.8	540
	11/29/2001	11.3	6.83	-1.7	320
	6/26/2002	16.2	7.67	-37.8	390
	11/19/2002	12.3	7.47	-48.3	450
	6/24/2003	14.1	7.83	-12.9	564
	11/17/2003	12.1	7.77	-53.5	483

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (umho's/cm)
MW-3S	5/22/1997	13.2	7.18	-16.5	700
	11/14/1997	16.9	6.72	-5.8	1072
	5/19/1998	15.7	6.95	9.4	800
	11/5/1998	13.5	6.59	17.2	850
	5/25/1999	13.5	6.31	25.9	900
	11/18/2001	12.6	6.61	23.8	850
	6/28/2000	17.5	6.44	-37.1	900
	11/15/2001	12.4	7.10	-29.9	700
	6/20/2001	15.1	6.24	44.1	570
	11/29/2002	13.3	5.62	64.3	570
	6/26/2002	16.9	6.81	9.2	570
	11/19/2002	13.5	6.52	7.9	789
	6/24/2003	13.3	6.75	40.8	1054
	11/17/2003	13.1	7.65	-64.0	564

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (umho's/cm)
MW-3D	5/22/1997	14.0	6.94	-11.2	620
	11/14/1997	16.2	7.02	-46.2	1074
	5/19/1998	15.6	7.85	-30.8	725
	11/5/1998	13.3	7.01	-3.7	900
	5/25/1999	13.8	6.52	6.2	900
	11/18/1999	11.9	7.30	-12.4	800
	6/28/2000	17.2	7.24	-30.8	900
	11/15/2000	13.1	6.29	-36.6	362
	6/20/2001	15.8	7.76	-174.7	570
	11/29/2002	12.7	6.36	41.8	570
	6/26/2002	16.7	7.20	-15.5	570
	11/19/2002	12.5	7.11	-25.7	880
	6/24/2003	13.6	7.31	15.1	1039
	11/17/2003	11.9	7.46	-33.5	729

Attachment F

Historical Summary Tables for Gas Vent Monitoring

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Gas Vent Monitoring
GV-1

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-1	12/4/1997	ND	ND	ND
[redacted]	5/19/2028	ND	2.0	38.0
	11/5/1998	ND	ND	ND
	5/25/1999	ND	0.2	4.0
	11/18/1999	ND	ND	ND
	6/28/2000	ND	ND	ND
	11/27/2000	0.4	0.5	10.0
	6/20/2001	ND	ND	ND
	11/29/2002	ND	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	ND	0.2	4.0
	11/17/2003	ND	ND	ND

Notes: ND = Not Detected

The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Landfill Gas Monitoring
GV-2

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-2	12/4/1997	ND	ND	ND
[redacted]	5/19/2028	ND	2.0	12.0
	11/5/1998	24.9	3.2	64.0
	5/25/1999	2.4	ND	ND
	11/18/1999	ND	ND	ND
	6/28/2000	ND	ND	ND
	11/27/2000	ND	ND	ND
	6/20/2001	ND	0.1	2.0
	11/29/2002	ND	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	ND	ND	ND
	11/17/2003	ND	ND	ND

Notes: ND = Not Detected

The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Landfill Gas Monitoring
GV-3

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-3	12/4/1997	ND	ND	ND
[redacted]	5/19/1998	ND	12.0	101.0
	11/5/1998	ND	ND	ND
	5/25/1999	ND	ND	ND
	11/18/1999	ND	ND	ND
	6/28/2000	ND	ND	ND
	11/27/2000	ND	ND	ND
	6/20/2001	ND	ND	ND
	11/29/2002	ND	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	ND	ND	ND
	11/17/2003	ND	ND	ND

Notes: ND = Not Detected

The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Lanfill Gas Monitoring
GV-4

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-4	12/4/1997	ND	ND	ND
	5/19/2028	ND	ND	ND
	11/5/1998	ND	ND	ND
	5/25/1999	ND	0.1	2.0
	11/18/1999	ND	ND	ND
	6/28/2000	ND	1.3	26.0
	11/27/2000	ND	ND	ND
	6/20/2001	ND	ND	ND
	11/29/2002	ND	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	ND	8.0	101.0
	11/17/2003	ND	2.7	54.0

Notes: ND = Not Detected

The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Landfill Gas Monitoring
GV-5

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-5	12/4/1997	ND	12.0	101.0
[redacted]	5/19/2028	0.2	22.0	101.0
	11/5/1998	ND	2.7	54.0
	5/25/1999	ND	ND	ND
	11/18/1999	ND	2.9	58.0
	6/28/2000	ND	26.5	101.0
	11/27/2000	ND	1.8	36.0
	6/20/2001	ND	ND	ND
	11/29/2002	ND	21.2	101.0
	6/26/2002	ND	ND	ND
	11/19/2002	ND	18.2	101.0
	6/24/2003	ND	ND	ND
	11/17/2003	ND	17.1	101.0

Notes: ND = Not Detected

The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Landfill Gas Monitoring
GV-6

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-6	12/4/1997	ND	ND	ND
[redacted]	5/19/2028	ND	ND	ND
	11/5/1998	ND	ND	ND
	5/25/1999	ND	ND	ND
	11/18/1999	ND	ND	ND
	6/28/2000	ND	ND	ND
	11/27/2000	ND	ND	ND
	6/20/2001	ND	ND	ND
	11/29/2001	ND	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	ND	ND	ND
	11/17/2003	ND	ND	ND

Notes: ND = Not Detected

The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Landfill Gas Monitoring
GV-7

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-7	12/4/1997	ND	ND	ND
[redacted]	5/19/2028	ND	ND	ND
	11/5/1998	ND	ND	ND
	5/25/1999	ND	ND	ND
	11/18/1999	ND	ND	ND
	6/28/2000	ND	ND	ND
	11/27/2000	ND	ND	ND
	6/20/2001	ND	ND	ND
	11/29/2001	ND	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	ND	ND	ND
	11/17/2003	ND	ND	ND

Notes: ND = Not Detected

The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Landfill Gas Monitoring
GV-8

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-8	12/4/1997	ND	ND	ND
[redacted]	5/19/2028	ND	ND	32.0
	11/5/1998	ND	ND	ND
	5/25/1999	5.3	4.4	88.0
	11/18/1999	ND	ND	ND
	6/28/2000	ND	ND	ND
	11/27/2000	ND	ND	ND
	6/20/2001	ND	10.9	101.0
	11/29/2001	8.5	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	ND	ND	ND
	11/17/2003	ND	ND	ND

Notes: ND = Not Detected

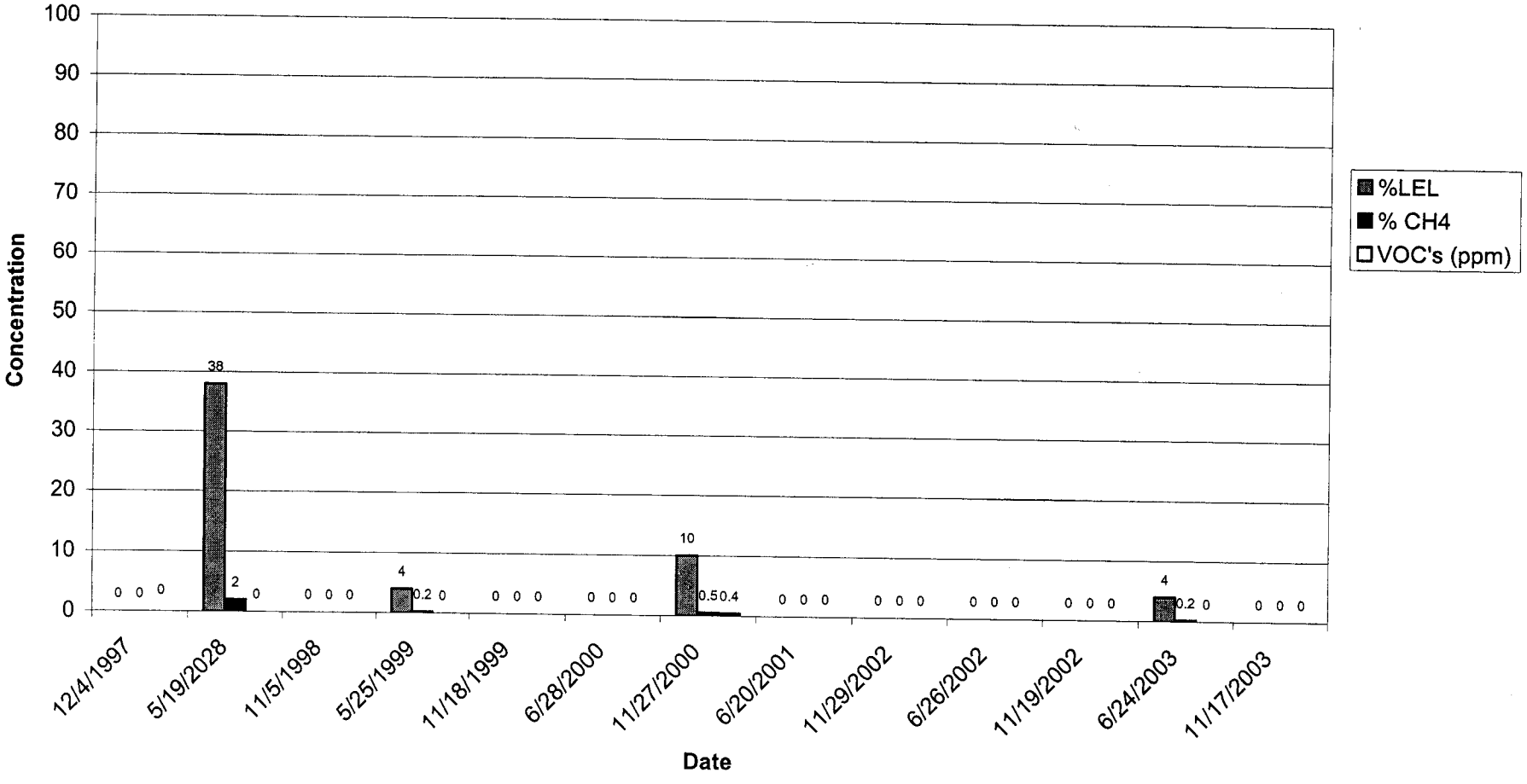
The value 101 is used for graphing purposes, 101 is the value greater than 100.

See Drawing entitled 'Record Plan' dated 1/98 for monitoring locations.

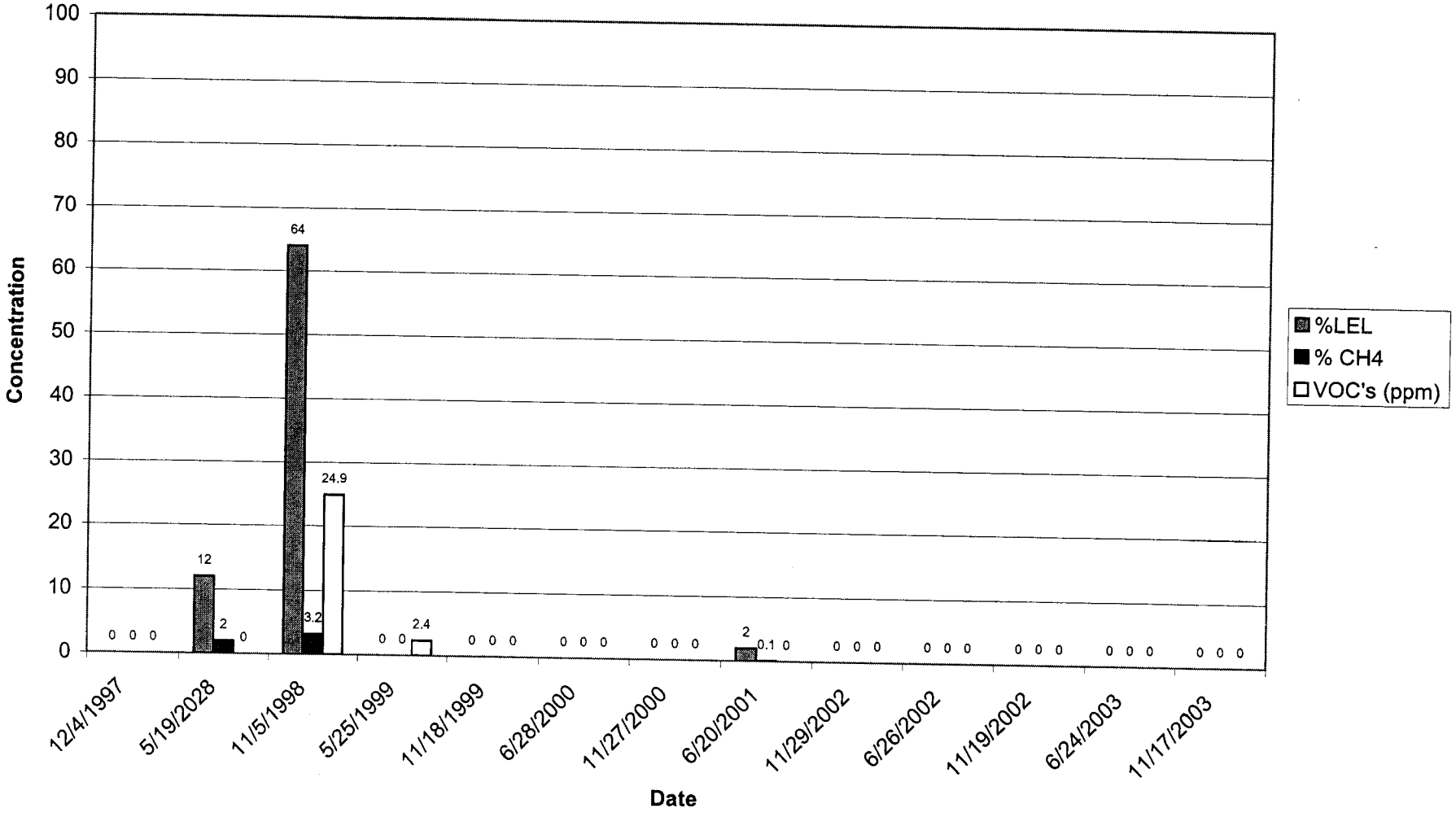
Attachment G

Historical Gas Vent Monitoring Graphs

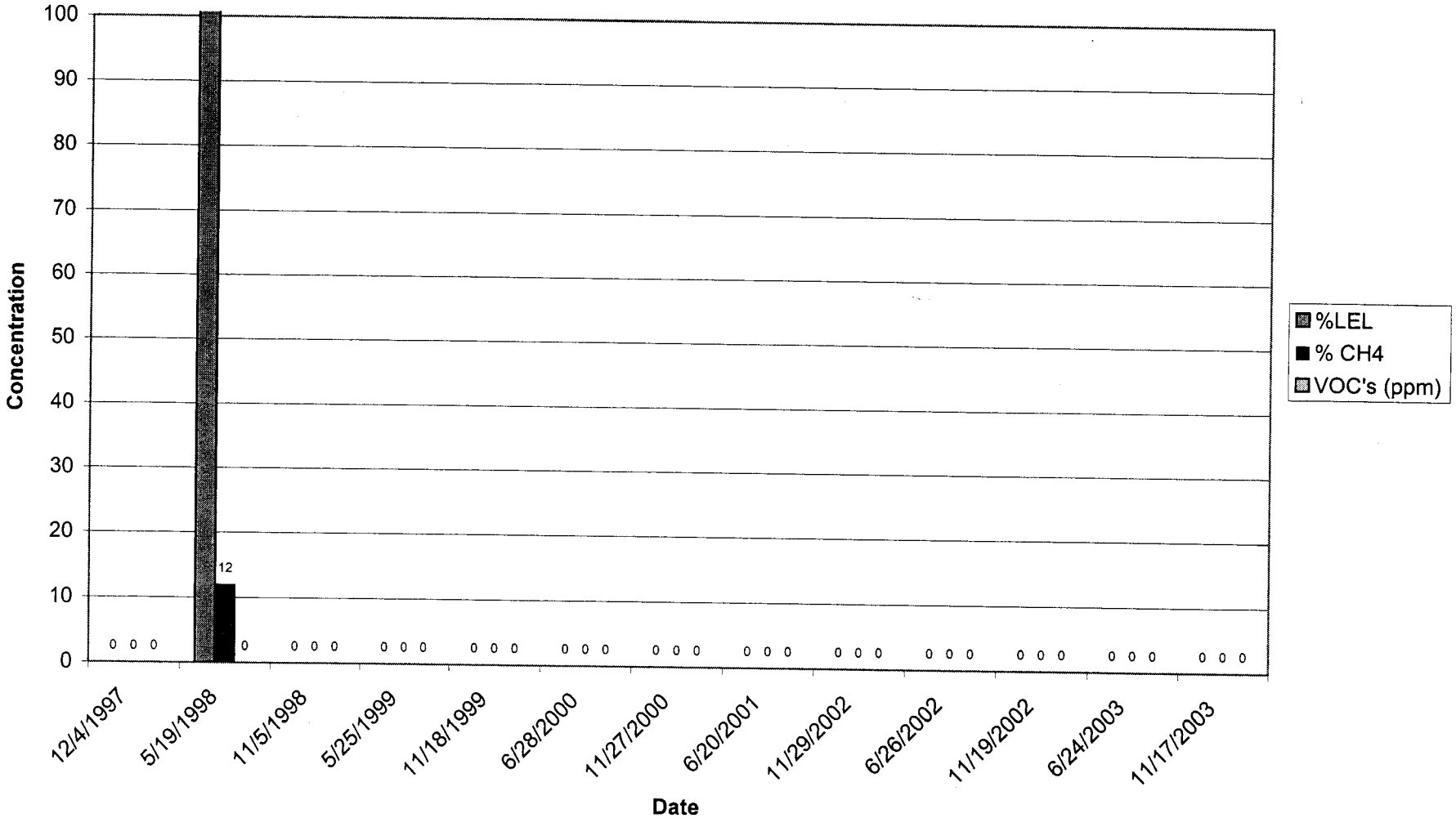
Village of Mamaroneck, Taylor Lane
Gas Vent Monitoring
GV-1



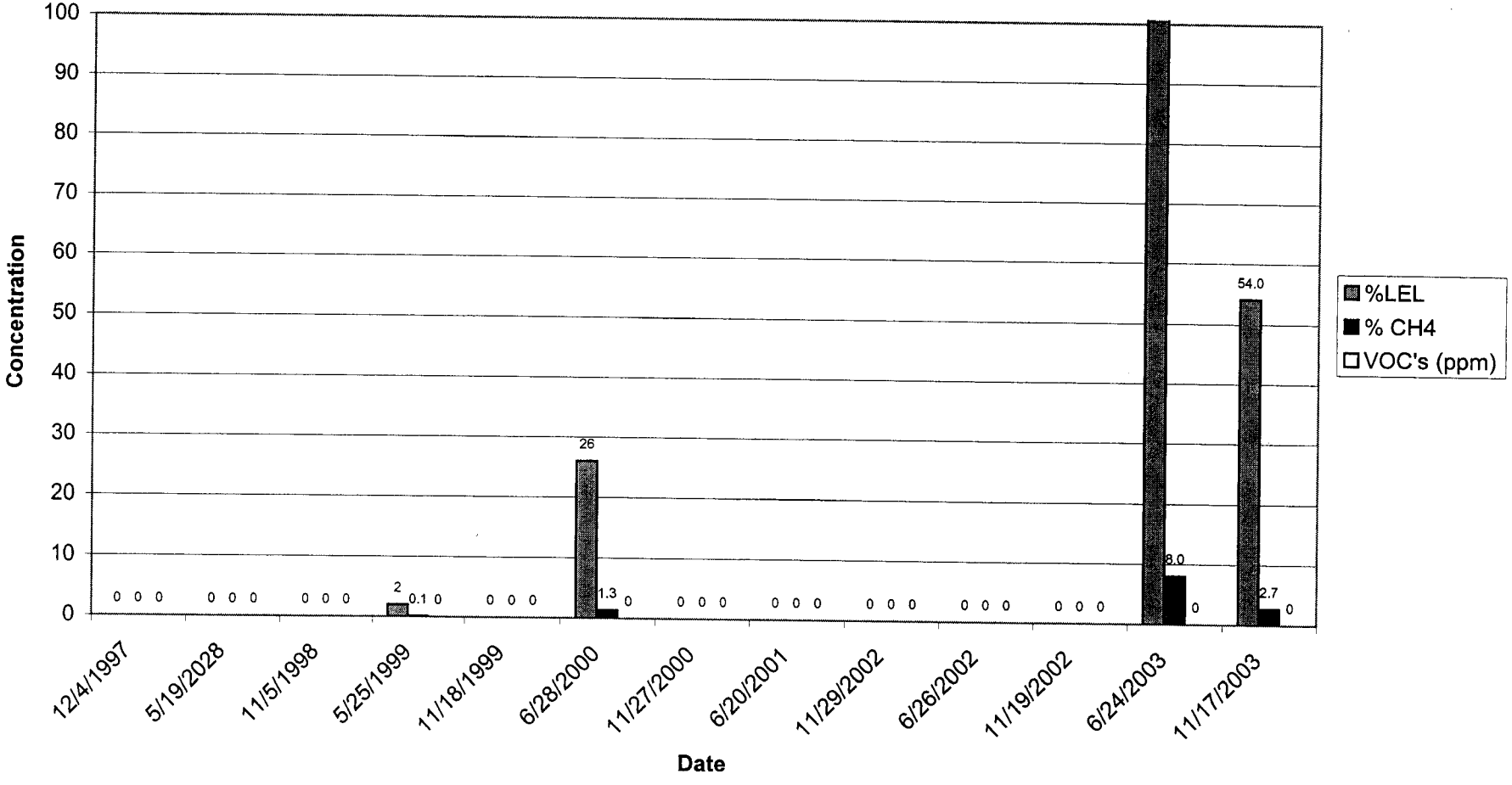
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-2



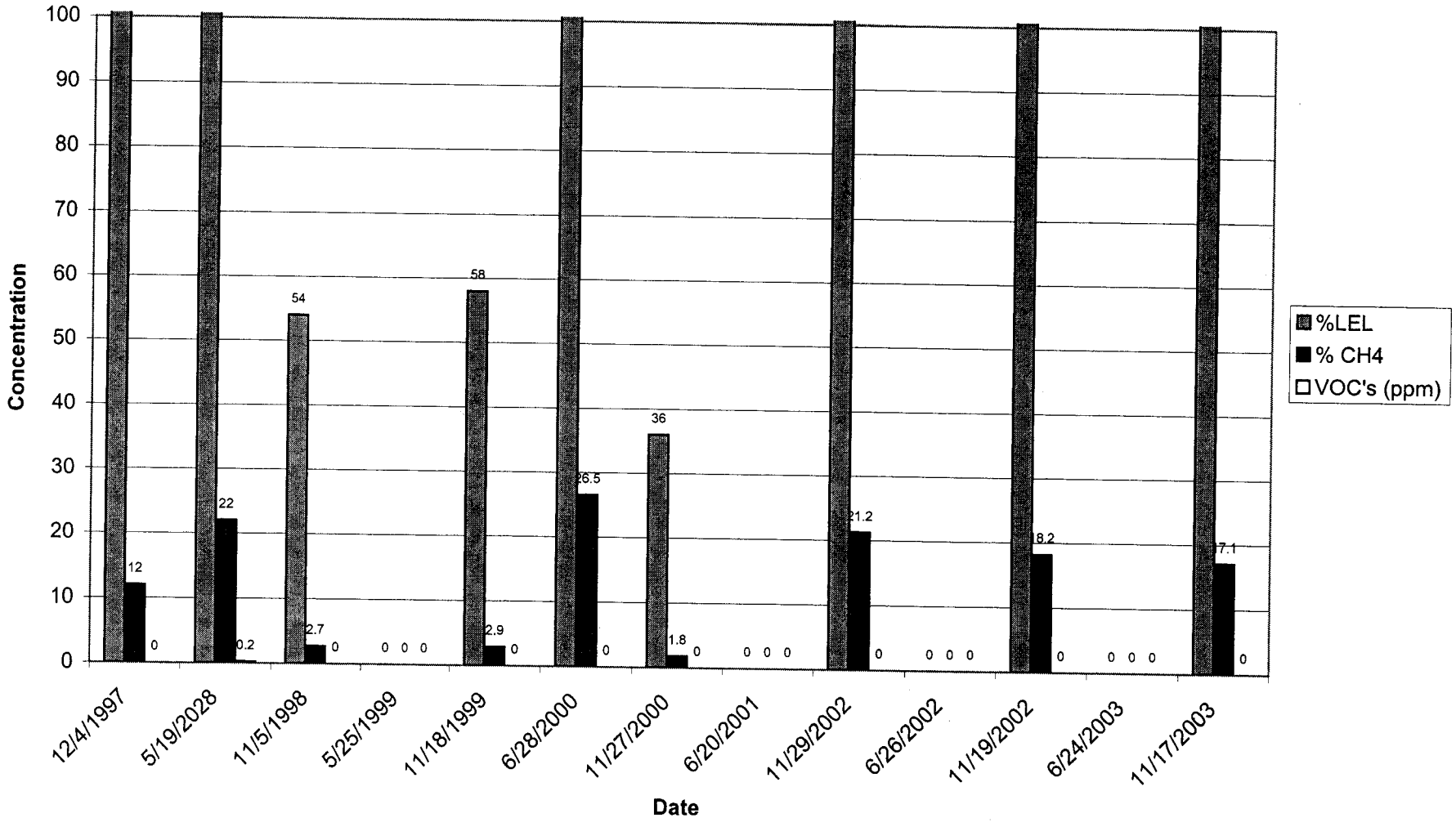
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-3



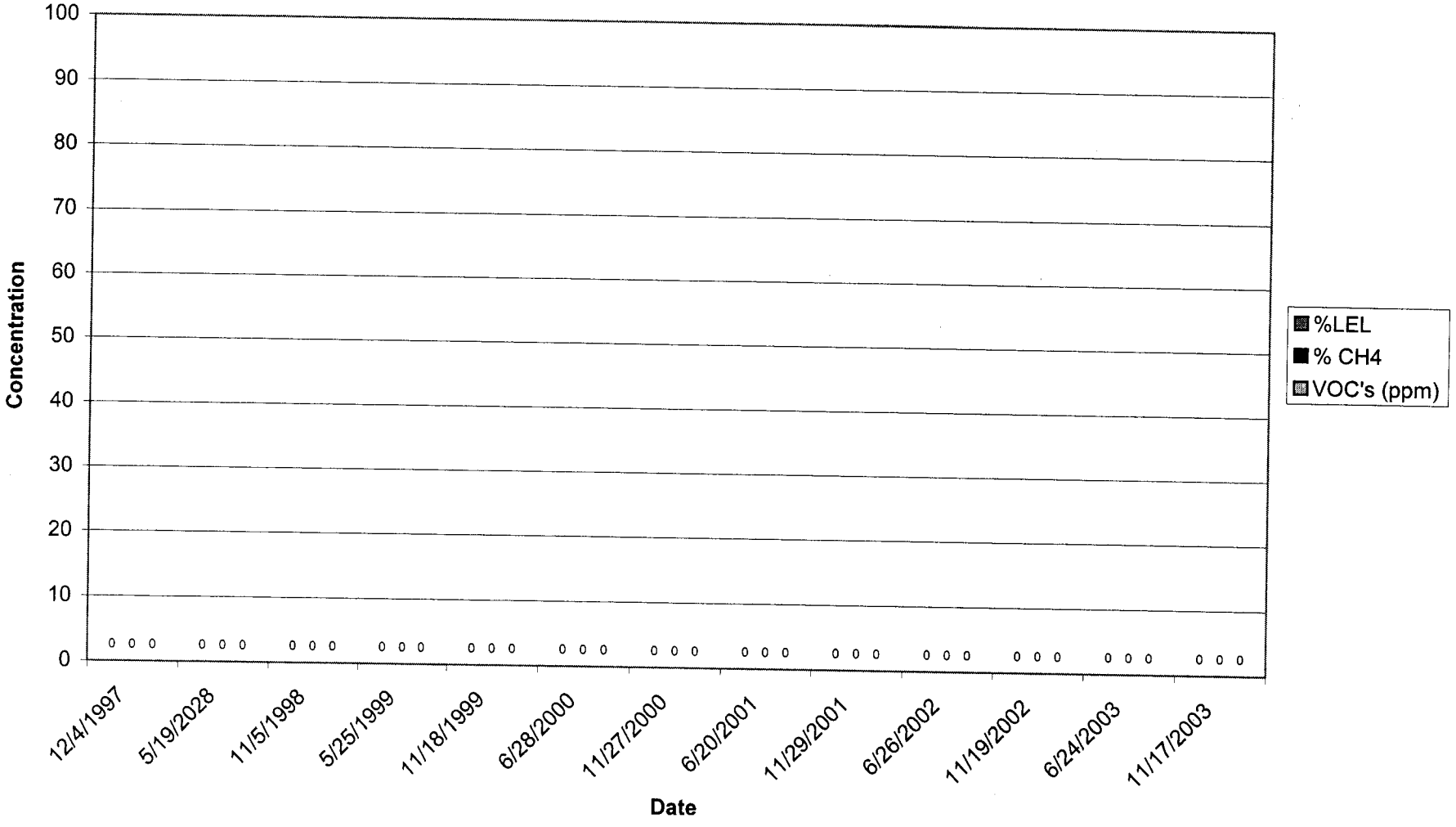
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-4



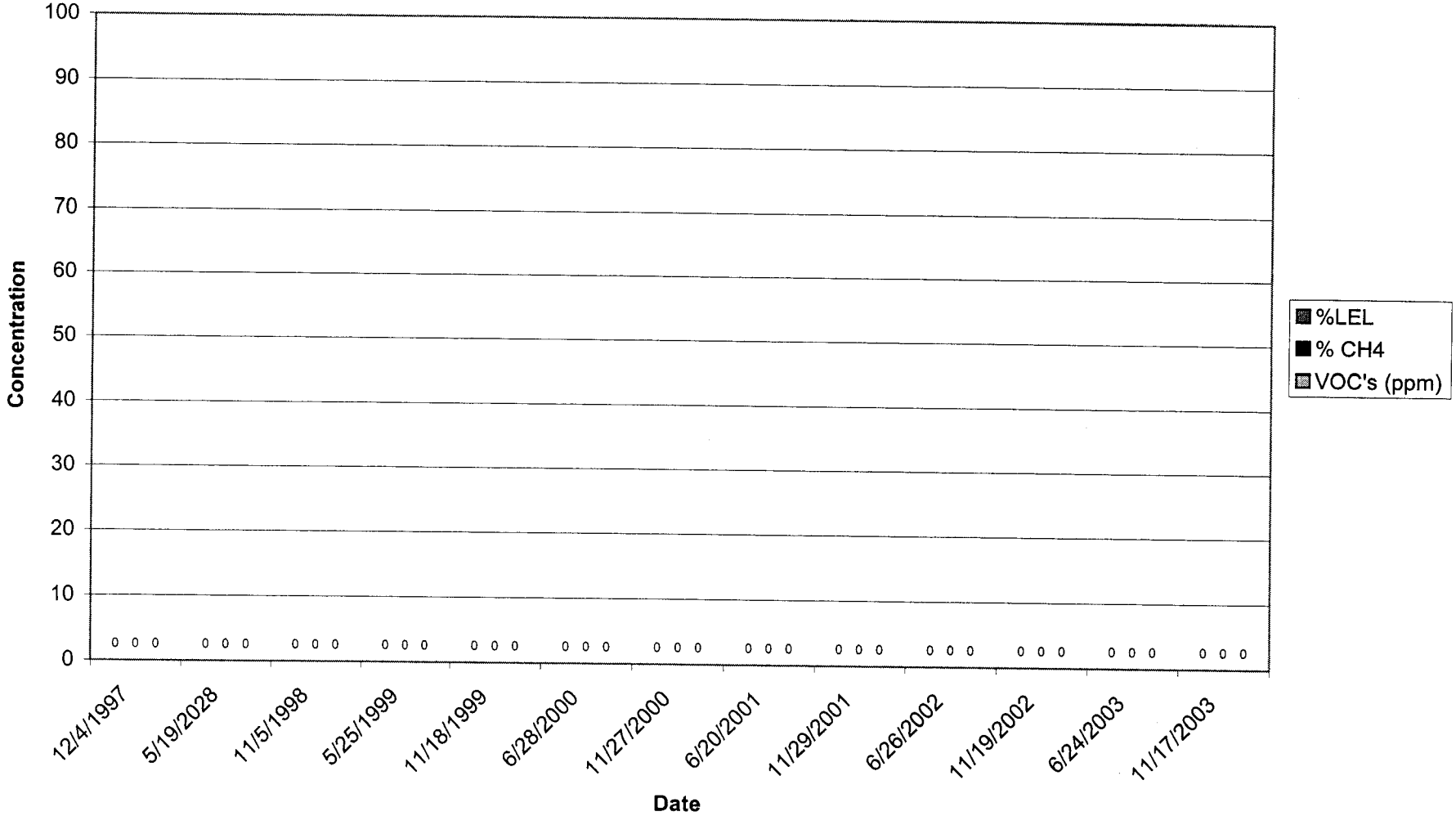
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-5

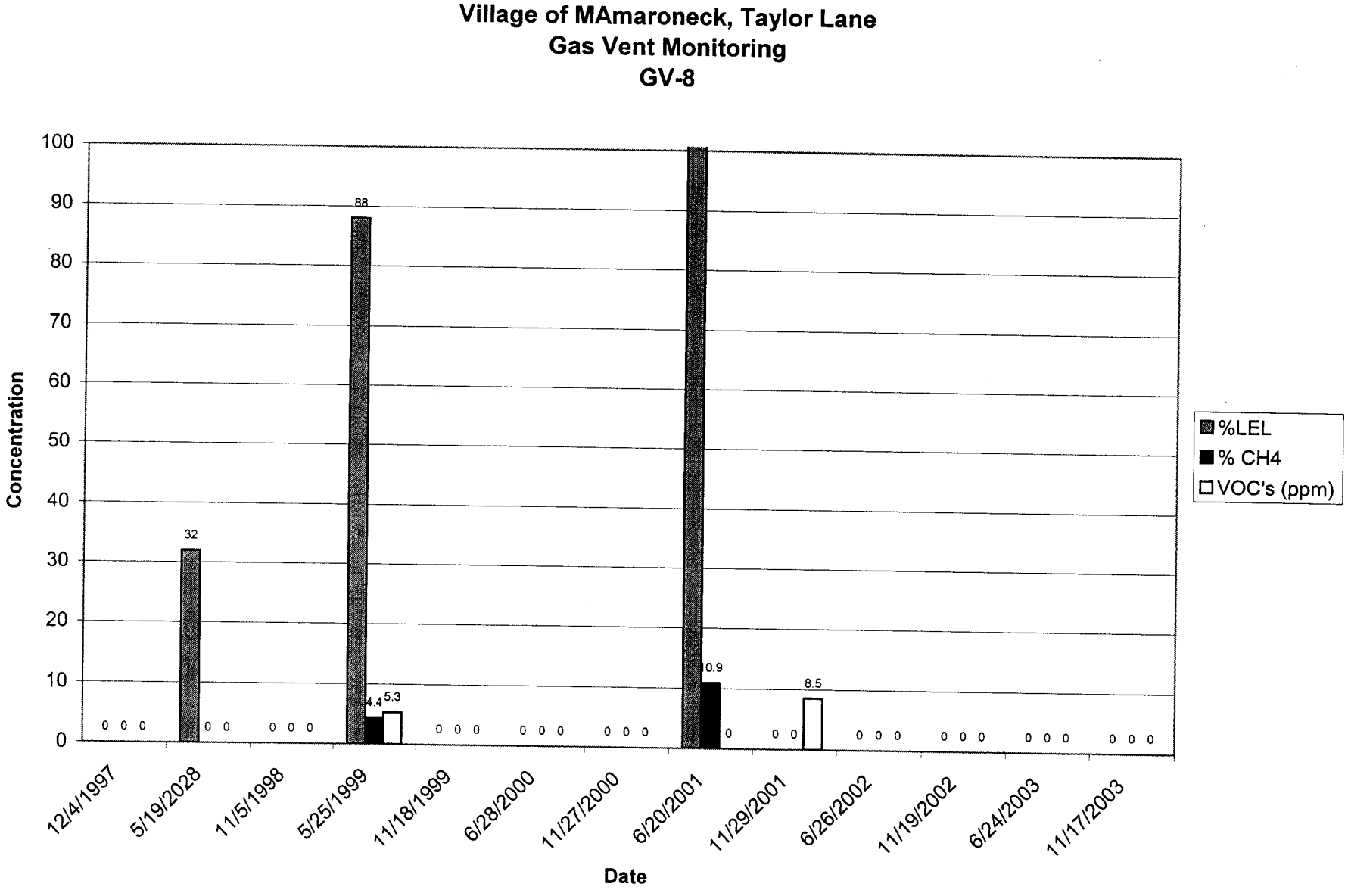


Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-6



Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-7




Village of MAmaroneck, Taylor Lane
Gas Vent Monitoring
GV-8
Concentration
100
90
80
70
60
50
40
30
20
10
0
32
88
4.4
5.3
10.9
8.5
0 0 0
12/4/1997
5/19/2028
11/5/1998
5/25/1999
11/18/1999
6/28/2000
11/27/2000
6/20/2001
11/29/2001
6/26/2002
11/19/2002
6/24/2003
11/17/2003
Date
%LEL
% CH4
VOC's (ppm)

Tables

TABLE 1
Village of Mamaroneck
Taylor Lane Compost Site
MW-2S
Detected VOC Compounds *
(concentration in ug/l)

Date Sampled: 11/17/03

Analytical Dilution		Analytical Parameters					
		Vinyl Chloride		MTBE		Tert-Butyl-Alcohol	
	Standard	2.0		10.0		NA	
1.00		1.2		230	E	120	
10.00		5.0	U	250		200	U

Notes:

* - All other VOC compounds analyzed for during the November 2003 sampling event were not detected.

U - Compound not detected

E - Concentrations exceed the calibration range

TABLE 2
Village of Mamaroneck
GAS VENT MONITORING
November 17, 2003

IDENTIFICATION	*TIME*	*PID (ppm)*	*% CH4*	*% LEL*
GV-1	9:00	ND	ND	ND
GV-2	8:50	ND	ND	ND
GV-3	8:38	ND	ND	ND
GV-4	8:28	ND	2.7	54.0
GV-5	8:12	ND	17.1	>100
GV-6	7:58	ND	ND	ND
GV-7	7:47	ND	ND	ND
GV-8	7:33	ND	ND	ND

Note: See drawing entitled 'Record Plan' dated 1/98
for monitoring locations.
ND = Not detected

TABLE 3
Village of Mamaroneck
BAR HOLE MONITORING
November 17, 2003

IDENTIFICATION	*TIME*	*PID (ppm)*	*% CH4*	*% LEL*
BH-1	8:48	ND	ND	ND
BH-2	8:44	ND	ND	ND
BH-3	8:35	ND	ND	ND
BH-4	8:25	ND	ND	ND
BH-5	8:20	ND	ND	ND
BH-6	8:10	ND	ND	ND
BH-7	8:03	ND	ND	ND
BH-8	7:53	ND	ND	ND
BH-9	7:44	ND	ND	ND
BH-10	7:40	ND	ND	ND
BH-11	7:30	ND	ND	ND
BH-12	7:23	ND	ND	ND
BH-13	8:56	ND	ND	ND

Note: See drawing entitled 'Record Plan' dated 1/98
for monitoring locations.
ND = Not detected

Drawing