Shaw® EMCON/OWT, Inc.

EMCON/OWT, Inc.
4 Commerce Drive South
Harriman, NY 10926
845.492.3100
Fax: 845.492.3101

August 4, 2005
Project 791158

Mr. James Schreyer
Project Manager
NYS Department of Environmental Conservation
Region 3
21 South Putt Corners Road
New Paltz, NY 12561

Re: June 2005 Semi-annual Monitoring Results
Taylor's Lane Compost Site, Mamaroneck, New York
NYSDEC Site Number 360021

Dear Mr. Schreyer:

Shaw Environmental, Inc. (EMCON/OWT) personnel conducted a Semi-Annual Groundwater Sampling event at the Taylor's Lane Compost Site in Mamaroneck, New York on June 22, 2005. This June 2005 Semi-Annual Monitoring Report (Report) summarizes all activities performed and results obtained in association with the June 2005 groundwater sampling, gas vent, and soil gas migration monitoring.

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 (the attached Drawing 1 depicts monitoring well locations) on June 22, 2005. 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 laboratory groundwater analyses, the following field parameters were measured and recorded on-site: pH, temperature, conductivity, millivolts, and turbidity. Field parameters pH, temperature, and millivolts are measured utilizing an Oakton pH 310 Series waterproof meter. Conductivity was measured utilizing an Oakton con 400 Series waterproof meter. Turbidity was measured utilizing a LaMotte 2020 Turbidimeter.

In addition to the groundwater sampling, landfill gas vent monitoring was performed on June 22, 2005. Gas vents GV-1 through GV-8 were monitored for percent combustible gas and total organic vapors. Soil gas monitoring was also conducted at predetermined locations (BH-1 through BH13) along the perimeter of the landfill in order to detect any migrating gases. A MiniRae PID was utilized to monitor fugitive VOCs and a Landtec GEM-500 was utilized to monitor percent methane gas and percent Lower Explosive Limit (LEL) at gas vents GV-1 through GV-8 and bar holes BH-1 through BH-13. 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.

GROUNDWATER MONITORING RESULTS

A review of the June 2005 groundwater analytical data indicated that no inorganic constituents were detected above the New York State Department of Conservation (NYSDEC) Part 703 Groundwater Standards. Analytical laboratory data summary packages and the field data sheets for the groundwater samples collected in June 2005 are provided as respective Attachments A and B of this Report.

Table 1 of this Report presents VOCs detected during the June 2005 sampling event when analyzed under one analytical dilution. Results for the VOCs are being reported as detected with a 1.00 analytical dilution. The analytical results for the VOCs in well MW-2S included MTBE, vinyl chloride, cis-1,2-dichloroethene, and tert-butyl-alcohol, which were detected at respective concentrations of 16 ug/l, 7.7 ug/l, 1.1ug/l, and 23 ug/l. VOC analysis of the groundwater sample obtained from well MW-2S indicated elevated levels of MTBE, greater than the NYSDEC Part 703 groundwater guidance values of 10 ug/l. Monitoring of MW-2S will be continued to assess detection and trends in the concentration of VOCs.

Historical Summary Tables for Analytical Parameters and the Historical Groundwater Monitoring Graphs have been provided as respective Attachments C and D of this report. Historical summary tables for Field Parameters have also been included as Attachment E of this report.

GAS VENT MONITORING RESULTS

Gas vent locations are depicted on Drawing 1, included with the February 1998 Post Closure Operation and Maintenance Plan. Results for the June 2005 gas vent and bar hole monitoring are provided as respective Tables 2 and 3 of this report.

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 monitoring locations during the June 2005 sampling event. Methane gas was detected at GV-4 at concentrations of 0.9% methane gas and 18% LEL, and GV-5 at concentrations of 21.8% methane gas and 436% LEL. Historical summary tables for gas vent monitoring, and historical gas vent monitoring graphs have been provided as respective Attachments F and G of this report.

Based upon the monitoring results for the landfill gas vents and perimeter soil gas, monitoring will continue during the November 2005 sampling event.

If you should have any questions regarding the above information, please do not hesitate to contact me at 845-492-3100.

Sincerely,

Shaw Environmental, 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 – Historical Summary Tables for 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
Robert Yamuder – Village of Mamaroneck

Attachment A

Laboratory Data Summary Package

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

July 13, 2005

Mr. Brian Nichols
Shaw E & I, Inc.
4 Commerce Drive South
Harriman, NY 10926

PROJECT:MAMARINECK - TAYLORS LANE
Submission #:R2526671

Dear Mr. Nichols:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 07/08/05 per a Facsimile transmittal. 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

Michael K Perry

Michael Perry
Laboratory Director

Enc.

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: MAMARINECK - TAYLORS LANE
Lab Submission # : R2526671
Project Manager : Michael Perry
Reported : 07/11/05

Report Contains a total of 19 pages

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

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2526671

Lab ID	Client ID
823281	MW-1D SET #2
823283	MW-1S SET #3
823285	MW-2D SET #4
823287	MW-2S SET #1
823289	MW-3D SET #5
823291	MW-3S SET #6

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 2004 SEAL OF EXCELLENCE PROGRAM Environmental

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, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

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 concentration is reported on the 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

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
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.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL Environmental

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). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- 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 the serial dilution did not meet criteria.
- 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

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
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: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-1D SET #2

Date Sampled : 06/22/05 10:55 **Order #:** 823281 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/05/05	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	06/27/05	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-1S SET #3

Date Sampled : 06/22/05 11:20 **Order #:** 823283 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/05/05	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	06/27/05	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-2D SET #4

Date Sampled : 06/22/05 11:00 **Order #:** 823285 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/05/05	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	06/27/05	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-2S SET #1

Date Sampled : 06/22/05 10:22 **Order #:** 823287 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/05/05	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	06/27/05	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-2S SET #1

Date Sampled : 06/22/05 10:22 **Order #:** 823287 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671 **Analytical Run** 117866

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/05/05			
ANALYTICAL DILUTION: 1.00			
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	23	UG/L
METHYL-TERT-BUTYL ETHER	0.50	16	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	1.1	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

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-2S SET #1

Date Sampled : 06/22/05 10:22 **Order #:** 823287 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671 **Analytical Run** 117866

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/05/05			
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	7.7	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	(70 - 130 %)	92	%
1,2-DICHLOROBENZENE-D4	(70 - 130 %)	102	%

COLUMBIA ANALYTICAL SERVICES

Reported: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-3D SET #5

Date Sampled : 06/22/05 08:45 **Order #:** 823289 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/05/05	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	06/27/05	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/11/05

Shaw E & I, Inc.
Project Reference: MAMARINECK - TAYLORS LANE
Client Sample ID : MW-3S SET #6

Date Sampled : 06/22/05 09:12 **Order #:** 823291 **Sample Matrix:** WATER
Date Received: 06/23/05 **Submission #:** R2526671

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/05/05	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/05/05	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	06/27/05	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/05/05	1.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2526671
Client: Shaw E & I, Inc.
MAMARINECK - TAYLORS LANE

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MERCURY	0.000300 U	0.00105	0.00100	105	80 - 120	117536	MG/L
ARSENIC	0.0100 U	0.0398	0.0400	100	80 - 120	117783	MG/L
CADMIUM	0.00500 U	0.0507	0.0500	101	80 - 120	117783	MG/L
COPPER	0.0200 U	0.266	0.250	106	80 - 120	117783	MG/L
LEAD	0.00500 U	0.508	0.500	102	80 - 120	117783	MG/L
ZINC	0.0200 U	0.540	0.500	108	80 - 120	117783	MG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 826303 ANALYTICAL RUN # : 117866

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 7/ 5/2005			
ANALYTICAL DILUTION: 1.0			
BENZENE	2.00	89	70 - 130
BROMOBENZENE	2.00	90	70 - 130
BROMOCHLOROMETHANE	2.00	99	70 - 130
BROMODICHLOROMETHANE	2.00	95	70 - 130
BROMOFORM	2.00	106	70 - 130
BROMOMETHANE	2.00	74	70 - 130
TERT-BUTYL ALCOHOL	40.0	95	70 - 130
METHYL-TERT-BUTYL ETHER	2.00	101	70 - 130
TERT-BUTYLBENZENE	2.00	87	70 - 130
SEC-BUTYLBENZENE	2.00	86	70 - 130
N-BUTYLBENZENE	2.00	88	70 - 130
CARBON TETRACHLORIDE	2.00	91	70 - 130
CHLOROBENZENE	2.00	94	70 - 130
CHLOROETHANE	2.00	86	70 - 130
CHLOROFORM	2.00	95	70 - 130
CHLOROMETHANE	2.00	90	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	2.00	94	70 - 130
2-CHLOROTOLUENE	2.00	95	70 - 130
4-CHLOROTOLUENE	2.00	91	70 - 130
DIBROMOCHLOROMETHANE	2.00	96	70 - 130
1,2-DIBROMOETHANE	2.00	92	70 - 130
DIBROMOMETHANE	2.00	102	70 - 130
1,2-DICHLOROBENZENE	2.00	93	70 - 130
1,4-DICHLOROBENZENE	2.00	95	70 - 130
1,3-DICHLOROBENZENE	2.00	91	70 - 130
DICHLORODIFLUOROMETHANE	2.00	88	70 - 130
1,1-DICHLOROETHANE	2.00	92	70 - 130
1,2-DICHLOROETHANE	2.00	91	70 - 130
1,1-DICHLOROETHENE	2.00	88	70 - 130
TRANS-1,2-DICHLOROETHENE	2.00	86	70 - 130
CIS-1,2-DICHLOROETHENE	2.00	88	70 - 130
2,2-DICHLOROPROPANE	2.00	101	70 - 130
1,2-DICHLOROPROPANE	2.00	97	70 - 130
1,3-DICHLOROPROPANE	2.00	98	70 - 130
1,1-DICHLOROPROPENE	2.00	89	70 - 130
TRANS-1,3-DICHLOROPROPENE	2.00	90	70 - 130
CIS-1,3-DICHLOROPROPENE	2.00	93	70 - 130
ETHYLBENZENE	2.00	92	70 - 130
HEXACHLOROBUTADIENE	2.00	88	70 - 130
ISOPROPYLBENZENE	2.00	87	70 - 130
P-ISOPROPYLTOLUENE	2.00	90	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 826303 ANALYTICAL RUN # : 117866

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 7/ 5/2005			
ANALYTICAL DILUTION: 1.0			
METHYLENE CHLORIDE	2.00	98	70 - 130
NAPHTHALENE	2.00	85	70 - 130
N-PROPYLBENZENE	2.00	89	70 - 130
STYRENE	2.00	88	70 - 130
1,1,1,2-TETRACHLOROETHANE	2.00	91	70 - 130
1,1,2,2-TETRACHLOROETHANE	2.00	93	70 - 130
TETRACHLOROETHENE	2.00	89	70 - 130
TOLUENE	2.00	92	70 - 130
1,2,4-TRICHLOROBENZENE	2.00	90	70 - 130
1,2,3-TRICHLOROBENZENE	2.00	91	70 - 130
1,1,1-TRICHLOROETHANE	2.00	92	70 - 130
1,1,2-TRICHLOROETHANE	2.00	95	70 - 130
TRICHLOROETHENE	2.00	89	70 - 130
TRICHLOROFLUOROMETHANE	2.00	86	70 - 130
1,2,3-TRICHLOROPROPANE	2.00	100	70 - 130
1,3,5-TRIMETHYLBENZENE	2.00	93	70 - 130
1,2,4-TRIMETHYLBENZENE	2.00	90	70 - 130
VINYL CHLORIDE	2.00	85	70 - 130
M+P-XYLENE	4.00	88	70 - 130
O-XYLENE	2.00	92	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/11/05

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 826302 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 117866

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/05/05			
ANALYTICAL DILUTION: 1.00			
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

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/11/05

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 826302 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 117866

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/05/05			
ANALYTICAL DILUTION: 1.00			
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	(70 - 130 %)	98	%
1,2-DICHLOROBENZENE-D4	(70 - 130 %)	101	%

Columbia Analytical Services, INC.
An Employee - Owned Company
www.caslab.com

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 # MP

CAS Contact

Project Name: Mamaroneck - Taylors Lane	Project Number: 791158
Project Manager: BRIAN NICHOLS	Report CC:
Company/Address: Shaw Environmental Inc. 4 Commerce Drive South Harriman, NY 10926	
Phone #: 845 492 3100	FAX#: 845 492 3101
Sampler's Signature:	Sampler's Printed Name: Brian Nichols

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

PRESERVATIVE

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 # 2	823281	6-22-05	1055	AQ	1						1			
MW-1S set # 3	823283		1120	AQ	1						1			
MW-2D set # 4	823285		1000	AQ	1						1			
MW-2S set # 1	823287		1022	AQ	4						1		3	
MW-3D set # 5	823289		845	AQ	1						1			
MW-3S set # 6	823291	6-22-05	912	AQ	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.

metals: As, Cd, Cu, Pb, Hg, Zn

See QAPP ☐

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:

R252671

SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature: Kelly M. Cook	Signature	Signature	Signature	Signature
Printed Name: Brian Nichols	Printed Name: K. COOK	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw Environmental, Inc.	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 6-22-05 1500	Date/Time: 6/23/05 950	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 Shaw Submission Number R25-26671

Cooler received on 6/23/05 by: LMC **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:	3°C				
	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: 6/23/05 1010

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: 6/23/05 by: LMC

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: 6/22/2005 11:20
(lab) sample number: Set #3 | field personnel: Brian Nichols
project: Mamaroneck
project number: 791158-01000000 | observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): PARTLY CLOUDY 78

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: 2.13 | 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: 2.80 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: 1.333333 | elapsed time: 15
bail volume: | number of bails:
volume purged: 20 gallons | well volumes: 7.13
time purge complete: 11:18 | 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 ? [X] yes [ ] no
metals field filtered ? [ ] yes [X] no

depth of sample: ~6'
sample containers:

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [X] no [ ] yes
color ? [X] no [ ] yes

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

pH (SU): 6.97 | temp (C): 15.9 | cond (µS): 880
ORP (mv): 15.7 | turbidity (NTUs): 2.38 | PID (ppm):
comments/remarks: BOTTOM WATER LEVELS INCLUDE 2" STANDPIPE

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-1D
sample date/time: 6/22/2005 10:55
(lab) sample number: Set #2
field personnel: Brian Nichols
project: Mamaroneck
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): PARTLY CLOUDY 78

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: 1.65 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: 2.583333
elapsed time: 12
bail volume:
number of bails:
volume purged: 31 gallons
well volumes: 2.99
time purge complete: 10:52
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 ?
- [X] yes
- [ ] no

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

depth of sample: ~3'
sample containers:

PHYSICAL AND CHEMICAL DATA

odor ?
- [X] no
- [ ] yes

sediment ?
- [X] no
- [ ] yes

color ?
- [X] no
- [ ] yes

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

pH (SU): 7.3
temp (C): 17.6
cond (µS): 464
ORP (mv): -56.6
turbidity (NTUs): 5.89
PID (ppm):

comments/remarks: BOTTOM WATER LEVELS INCLUDE 2" STANDPIPE

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-2S
sample date/time: 6/22/2005 10:22
(lab) sample number: Set #1
field personnel: Brian Nichols
project: Mamaroneck
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): PARTLY CLOUDY 78

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: 2.06 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: 2.64 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: 1
elapsed time: 10
bail volume:
number of bails:
volume purged: 10 gallons
well volumes: 3.79
time purge complete: 10:20
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 ?
- [X] yes
- [ ] no

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

depth of sample: ~4'
sample containers:

PHYSICAL AND CHEMICAL DATA

odor ?
- [X] no
- [ ] yes

sediment ?
- [X] no
- [ ] yes

color ?
- [X] no
- [ ] yes

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

pH (SU): 7.07
temp (C): 13.6
cond (µS): 817
ORP (mv): -9.4
turbidity (NTUs): 3.87
PID (ppm):

comments/remarks: BOTTOM WATER LEVELS INCLUDE 2" STANDPIPE
WELL COVER MISSING WELL RIMS ARE BROKEN AND MISSING SCREWS

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-2D | sample date/time: 6/22/2005 10:00
(lab) sample number: Set #4 | field personnel: Brian Nichols
project: Mamaroneck
project number: 791158-01000000 | observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): PARTLY CLOUDY 78

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: 1.39 — 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: 10.05 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: 1.722222 | elapsed time: 18
bail volume: | number of bails:
volume purged: 31 gallons | well volumes: 3.08
time purge complete: 9:58 | 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 ? [X] yes [ ] no
metals field filtered ? [ ] yes [X] no

depth of sample: ~4 '
sample containers:

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [X] no [ ] yes
color ? [X] no [ ] yes

- [X] clear
- [ ] turbid
- [ ] sheen
- [ ] immiscible product
- [X] other: SOME SMALL BLACK PARTICLES

pH (SU): 7.27 | temp (C): 15.7 | cond (µS): 513
ORP (mv): -21.4 | turbidity (NTUs): 7.45 | PID (ppm):
comments/remarks: BOTTOM WATER LEVELS INCLUDE 2" STANDPIPE
WELL RIMS ARE BROKEN AND MISSING SCREWS

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-3S | sample date/time: 6/22/2005 9:12
(lab) sample number: Set #6 | field personnel: Brian Nichols
project: Mamaroneck |
project number: 791158-01000000 | observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): PARTLY CLOUDY 78

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: 2.02 | 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: 2.89 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: 1.1 | elapsed time: 10
bail volume: | number of bails:
volume purged: 11 gallons | well volumes: 3.81
time purge complete: 9:10 | 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 ? [X] yes [ ] no
metals field filtered ? [ ] yes [X] no

depth of sample: ~5'
sample containers:

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [X] no [ ] yes
color ? [X] no [ ] yes

- [X] clear
- [ ] turbid
- [ ] sheen
- [ ] immiscible product
- [X] other: SOME ORANGE & BLACK PARTICLES

pH (SU): 6.48 | temp (C): 12.6 | cond (µS): 996
ORP (mv): 24.2 | turbidity (NTUs): 12 | PID (ppm):
comments/remarks: BOTTOM WATER LEVELS INCLUDE 2" STANDPIPE

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-3D
sample date/time: 6/22/2005 8:45
(lab) sample number: Set # 5
field personnel: Brian Nichols
project: Mamaroneck
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): PARTLY CLOUDY 78

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: 1.67 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: 5.09 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: 1.133333
elapsed time: 15
bail volume:
number of bails:
volume purged: 17 gallons
well volumes: 3.34
time purge complete: 8:40
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 ?
- [X] yes
- [ ] no

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

depth of sample: ~ 5 '
sample containers:

PHYSICAL AND CHEMICAL DATA

odor ?
- [X] no
- [ ] yes

sediment ?
- [X] no
- [ ] yes

color ?
- [X] no
- [ ] yes

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

pH (SU): 6.62
temp (C): 15.6
cond (µS): 900
ORP (mv): 17.2
turbidity (NTUs): 0.71
PID (ppm):
comments/remarks: BOTTOM WATER LEVELS INCLUDE 2" STANDPIPE

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
	6/21/2004	10 U	10 U	10 U	10 U	10 U	10 U
	11/22/2004	10 U	10 U	10 U	10 U	10 U	10 U
	6/22/2005	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)

Well Identification							
Analytical Parameter	Sampling Date	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
	6/21/2004	5 U	5 U	5 U	5 U	5 U	5 U
	11/22/2004	5 U	5 U	5 U	5 U	5 U	5 U
	6/22/2005	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	11/14/1997	46.5		13.1	B	34.2		7.7	B	74.3		35.3	
200 ug/L	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
	6/21/2004	20	U	20	U	20	U	20	U	27.4		20	U
	11/22/2004	20	U	20	U	20	U	20	U	56		20	U
	6/22/2005	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
	6/21/2004	5 U	5 U	5 U	5 U	17.8	5 U
	11/22/2004	5 U	5 U	5 U	5 U	10.1	12.4
	6/22/2005	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	
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
	6/21/2004	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
	11/22/2004	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
	6/22/2005	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
	6/21/2004	21	20 U	20 U	55.5	45.7	20 U
	11/22/2004	20 U	20 U	20 U	20 U	113	20 U
	6/22/2005	20 U	20 U	20 U	20 U	113	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 in MW-2S
(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	
6/21/2004	0.96		0.5	U	380		90	
11/22/2004	0.64		0.5	U	380		200	
6/22/2005	7.7		1.1		16		23	

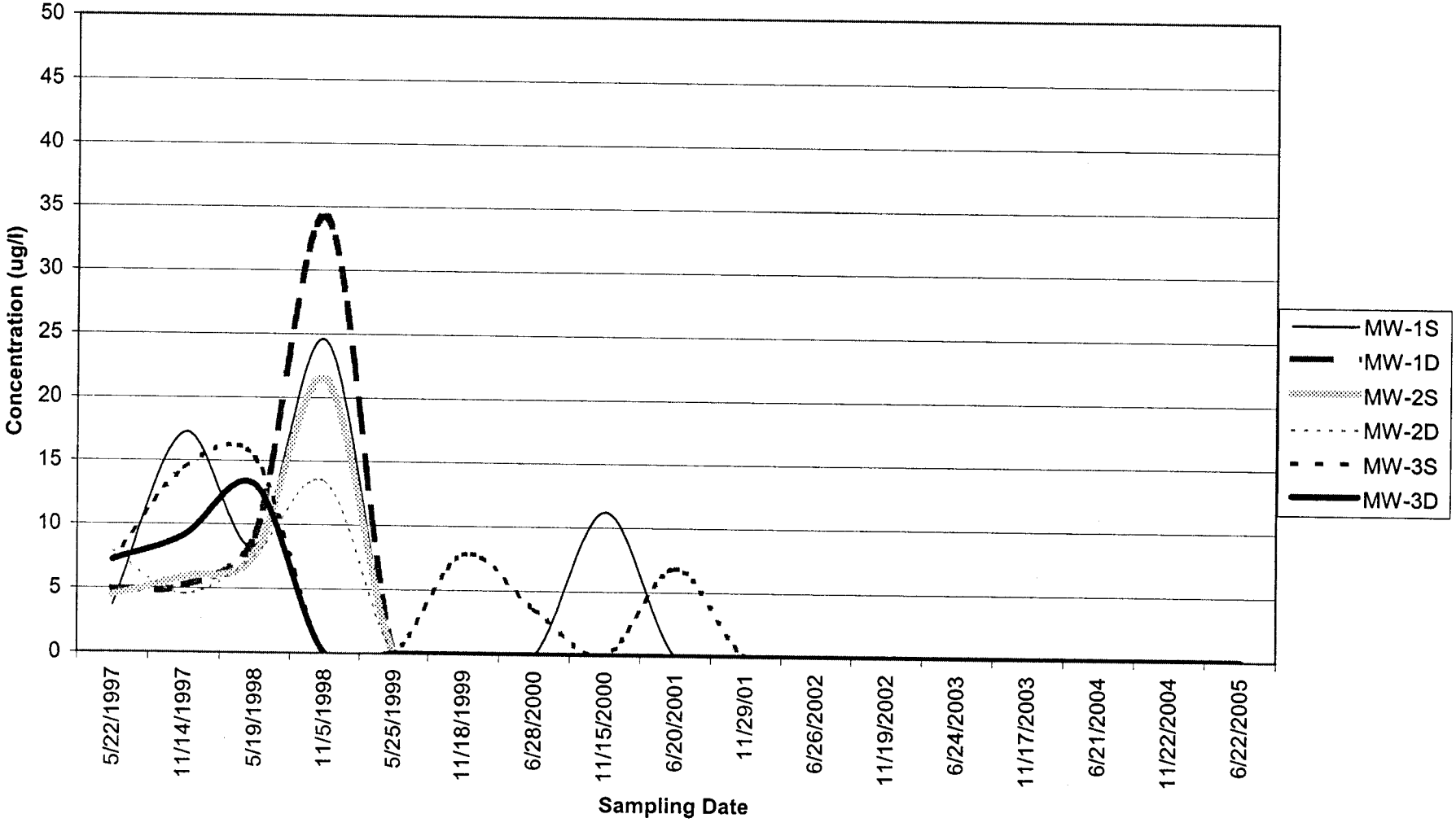
U - Compound not detected

J - Estimated value, less than detection limit

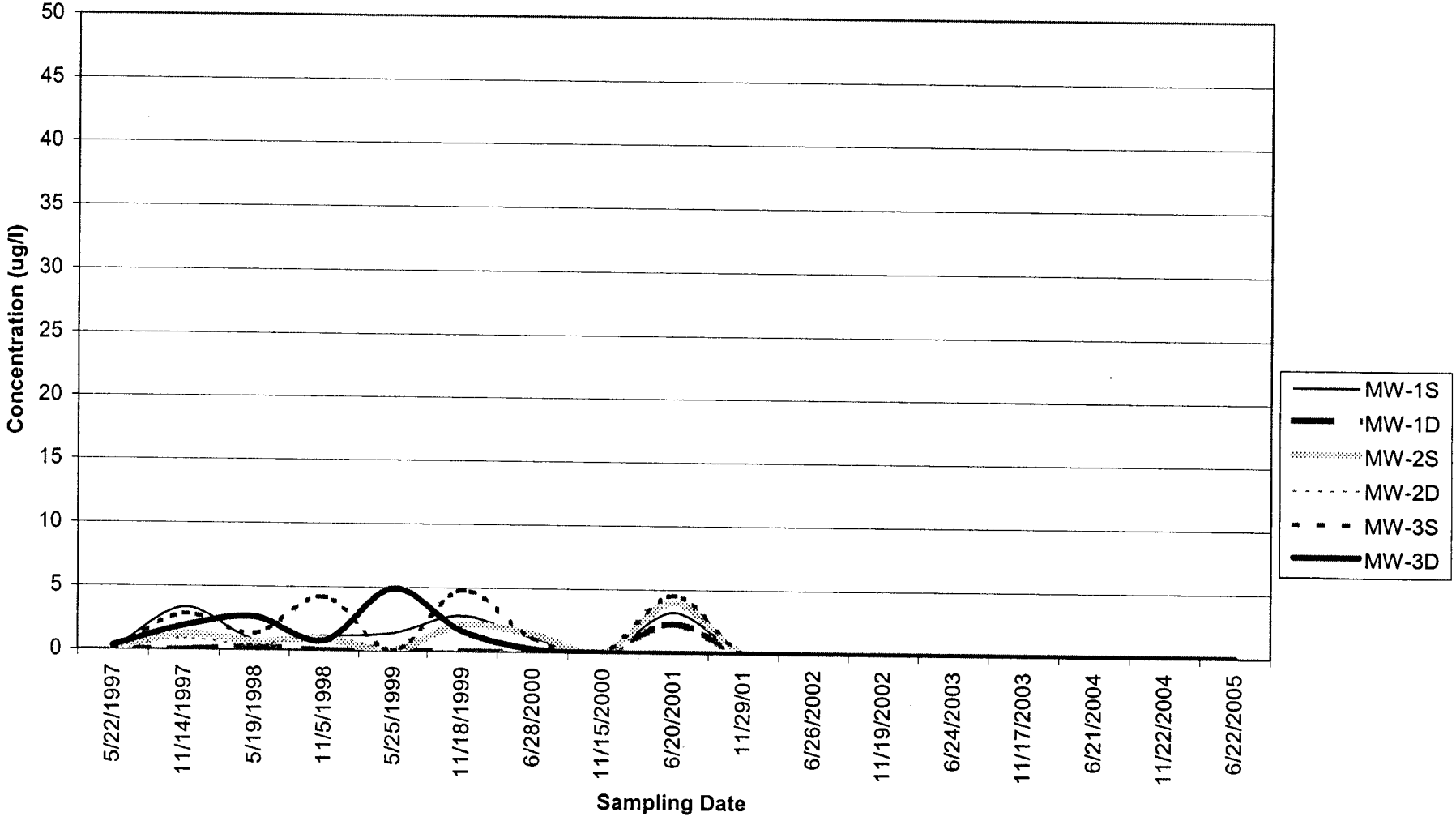
Attachment D

Historical Groundwater Monitoring Graphs

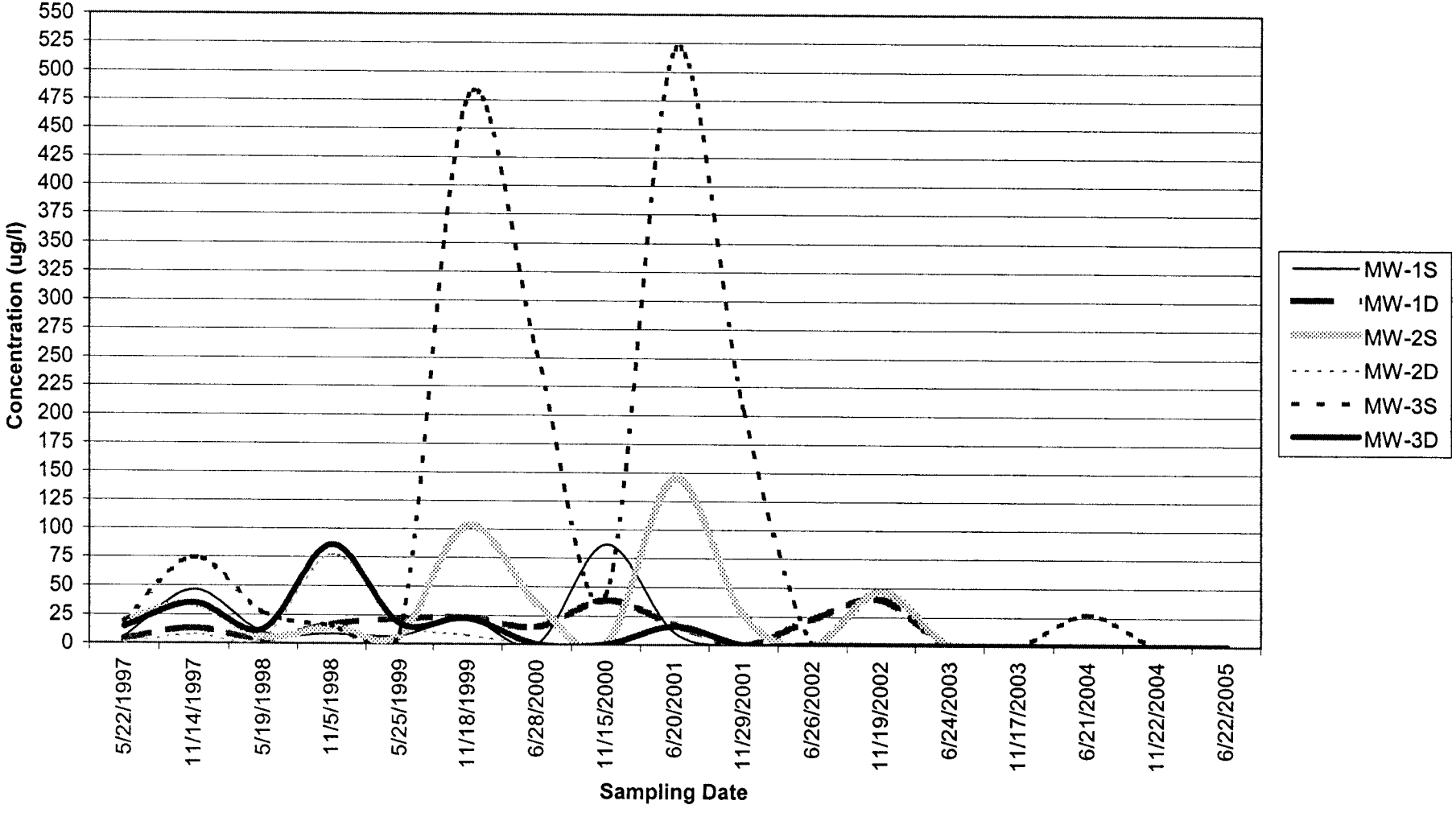
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Graph
Arsenic (ug/L)

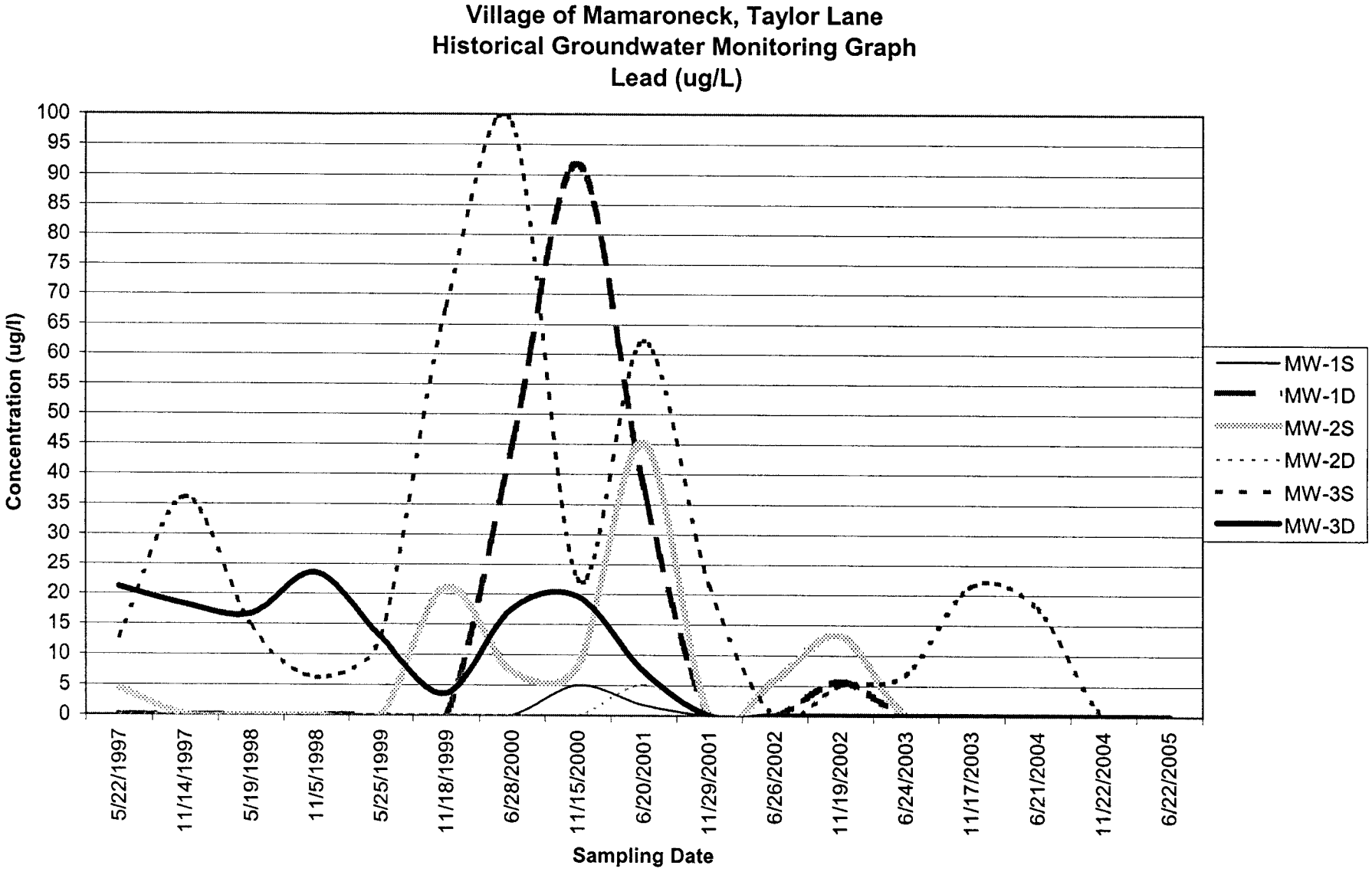


Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Graph
Cadmium (ug/L)

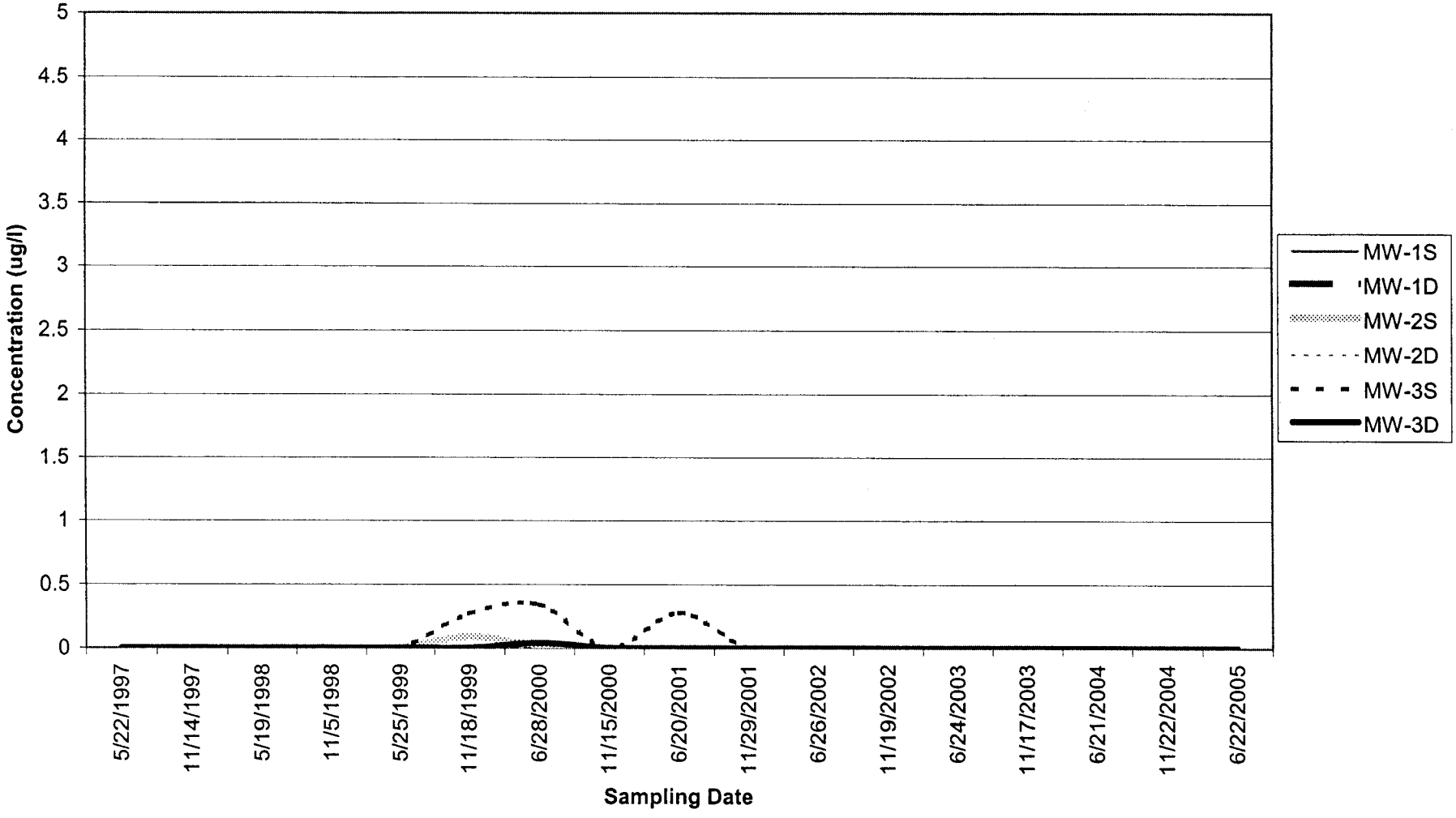


Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Graph
Copper (ug/L)

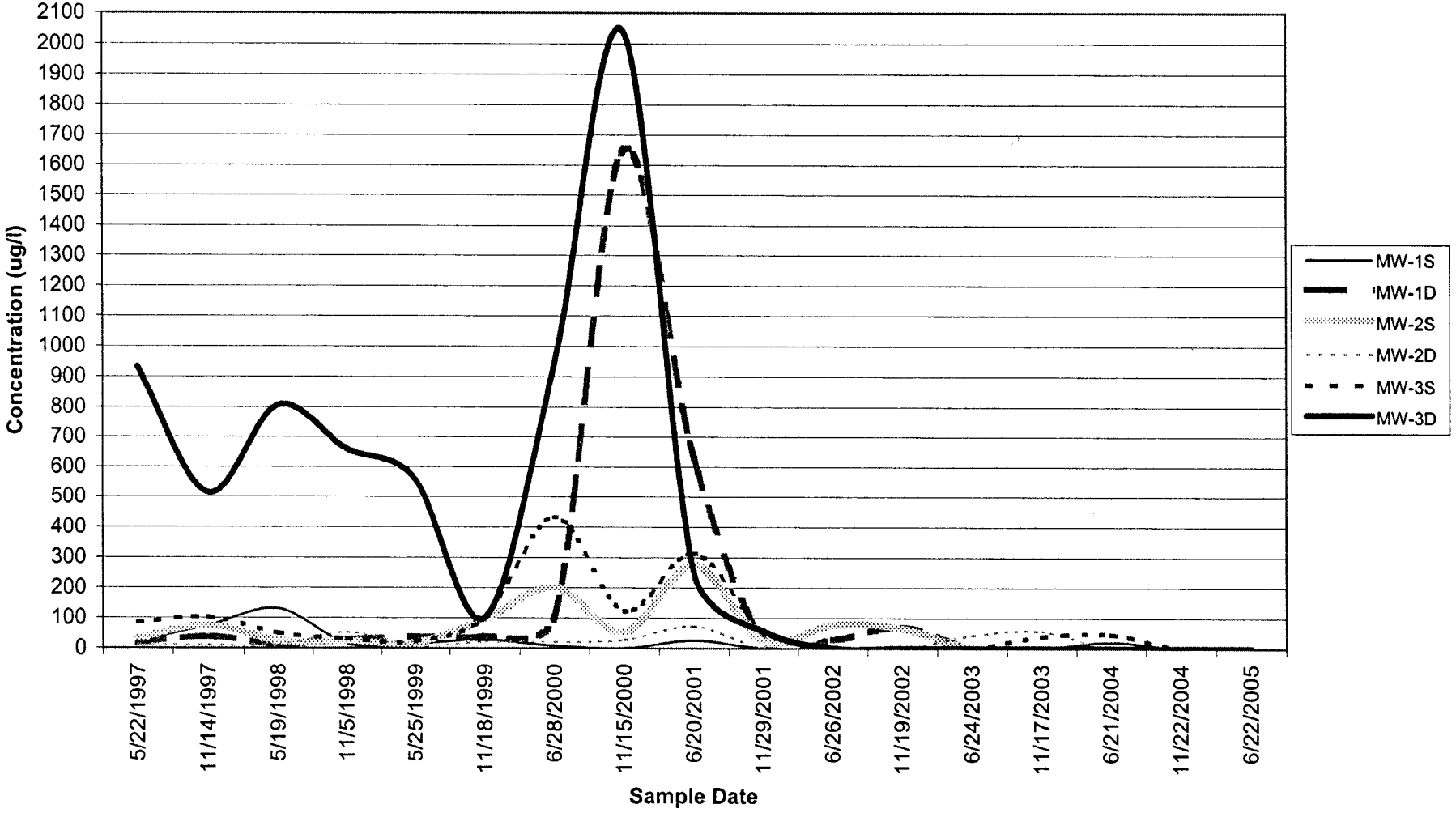



Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Graph
Lead (ug/L)
Concentration (ug/l)
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
5/22/1997
11/14/1997
5/19/1998
11/5/1998
5/25/1999
11/18/1999
6/28/2000
11/15/2000
6/20/2001
11/29/2001
6/26/2002
11/19/2002
6/24/2003
11/17/2003
6/21/2004
11/22/2004
6/22/2005
Sampling Date
MW-1S
MW-1D
MW-2S
MW-2D
MW-3S
MW-3D

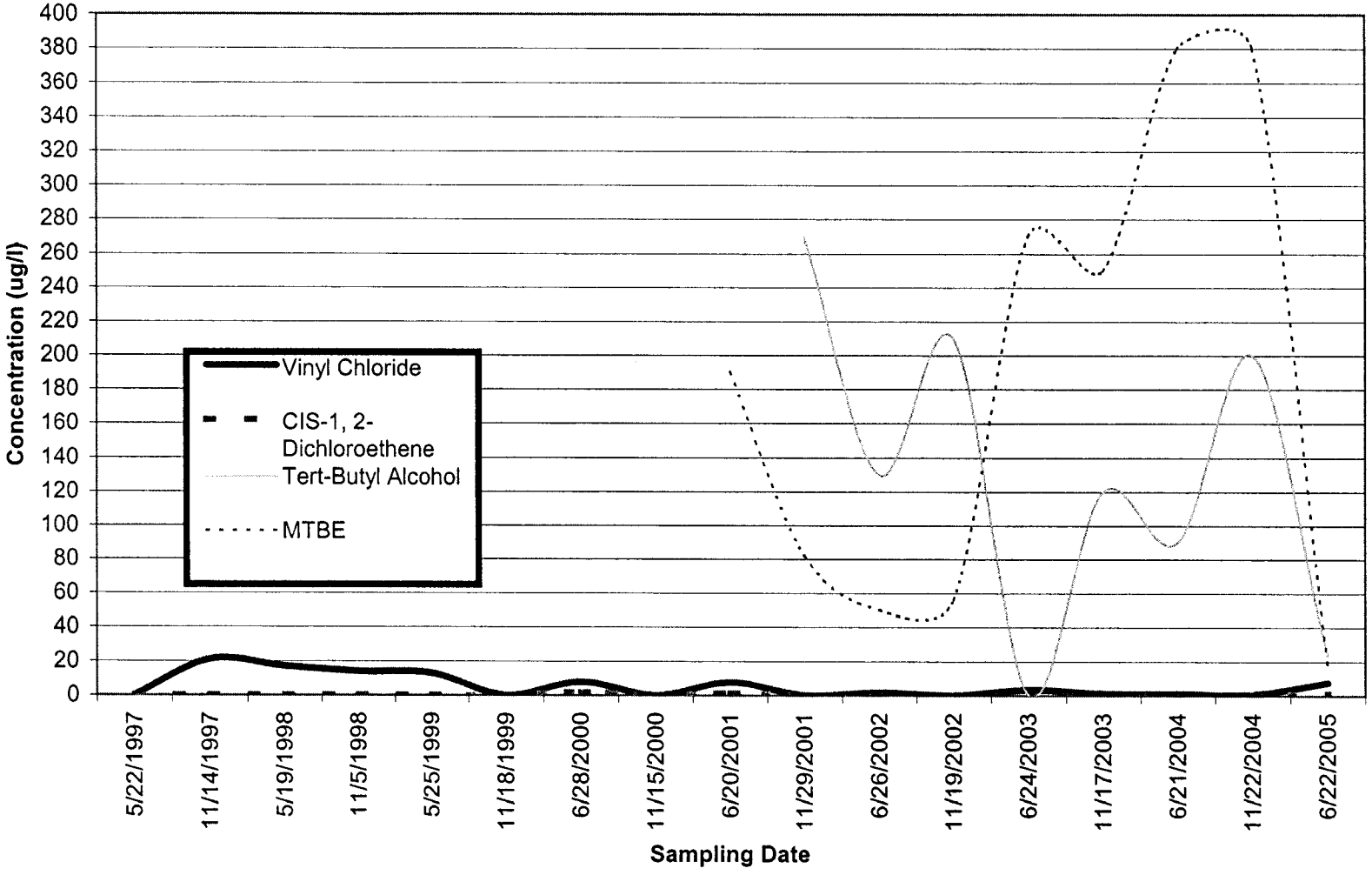
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Graph
Mercury (ug/L)



Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Graph
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 (µS)
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
	6/21/2004	14.9	6.13	49.1	800
	11/22/2004	13.7	6.70	19.2	655
	6/22/2005	15.9	6.97	15.7	880

Notes:
(µS): Units of Conductivity (micro Siemens)

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (µS)
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
	6/21/2004	13.5	7.86	-48.1	513
	11/22/2004	12.9	7.49	-23.3	395
	6/22/2005	17.6	7.30	-56.6	464

Notes:
(µS): Units of Conductivity (micro Siemens)

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (µS)
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
	6/21/2004	12.8	6.99	0.7	47.1
	11/22/2004	12.9	7.04	1.7	672
	6/22/2005	13.6	7.07	-9.4	817

Notes:
(µS): Units of Conductivity (micro Siemens)

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (µS)
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
	6/21/2004	13.7	7.66	-36.6	523
	11/22/2004	12.9	7.46	-21.9	412
	6/22/2005	15.7	7.27	-21.4	513

Notes:

(µS): Units of Conductivity (micro Siemens)

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (µS)
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
	6/21/2004	12.1	6.47	29.8	911
	11/22/2004	13.0	6.63	23.6	768
	6/22/2005	12.6	6.48	24.2	996

Notes:
(µS): Units of Conductivity (micro Siemens)

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Field Parameters

Well ID	Date	Temp. (C)	pH (S.U.)	Eh (mv)	Specific Conductance (µS)
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
	6/21/2004	14.0	7.17	-8.3	31.9
	11/22/2004	12.3	7.15	-3.4	766
	6/22/2005	15.6	6.62	17.2	900

Notes:

(µS): Units of Conductivity (micro Siemens)

Attachment F

Historical Summary Tables for Gas Vent Monitoring

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

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-1	12/4/1997	ND	ND	ND
	5/19/1998	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
	6/21/2004	ND	ND	ND
	11/22/2004	ND	ND	ND
	6/22/2005	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
Historical Summary of
Gas Vent Monitoring
GV-2

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-2	12/4/1997	ND	ND	ND
[redacted]	5/19/1998	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
	6/21/2004	ND	ND	ND
	11/22/2004	ND	ND	ND
	6/22/2005	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
Historical Summary of
Gas Vent Monitoring
GV-3

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-3	12/4/1997	ND	ND	ND
	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
	6/21/2004	ND	ND	ND
	11/22/2004	ND	ND	ND
	6/22/2005	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
Historical Summary of
Gas Vent Monitoring
GV-4

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-4	12/4/1997	ND	ND	ND
	5/19/1998	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
	6/21/2004	ND	3.9	74.0
	11/22/2004	ND	ND	ND
	6/22/2005	ND	0.9	18.0

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
Historical Summary of
Gas Vent Monitoring
GV-5

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-5	12/4/1997	ND	12.0	101.0
	5/19/1998	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
	6/21/2004	ND	14.6	292.0
	11/22/2004	ND	19.4	388.0
	6/22/2005	ND	21.8	436.0

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
Historical Summary of
Gas Vent Monitoring
GV-6

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-6	12/4/1997	ND	ND	ND
	5/19/1998	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
	6/21/2004	ND	ND	ND
	11/22/2004	ND	ND	ND
	6/22/2005	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
Historical Summary of
Gas Vent Monitoring
GV-7

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-7	12/4/1997	ND	ND	ND
	5/19/1998	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
	6/21/2004	ND	ND	ND
	11/22/2004	ND	ND	ND
	6/22/2005	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
Historical Summary of
Gas Vent Monitoring
GV-8

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-8	12/4/1997	ND	ND	ND
[redacted]	5/19/1998	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
	6/21/2004	ND	13.3	266.0
	11/22/2004	ND	7.5	150.0
	6/22/2005	ND	0	0

Notes: ND = Not Detected

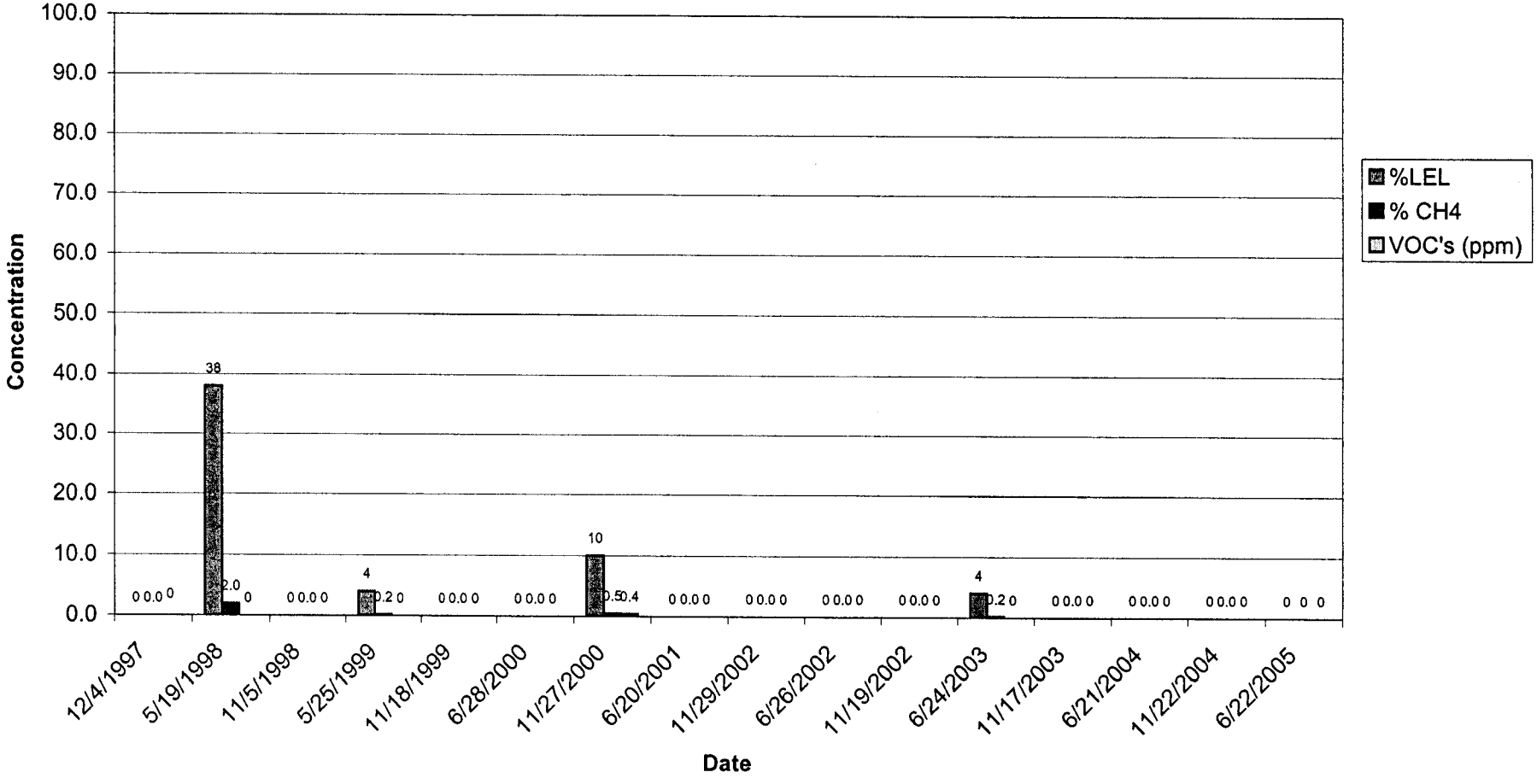
The value 101 is used for graphing purposes, 101 is the value greater than 100.

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

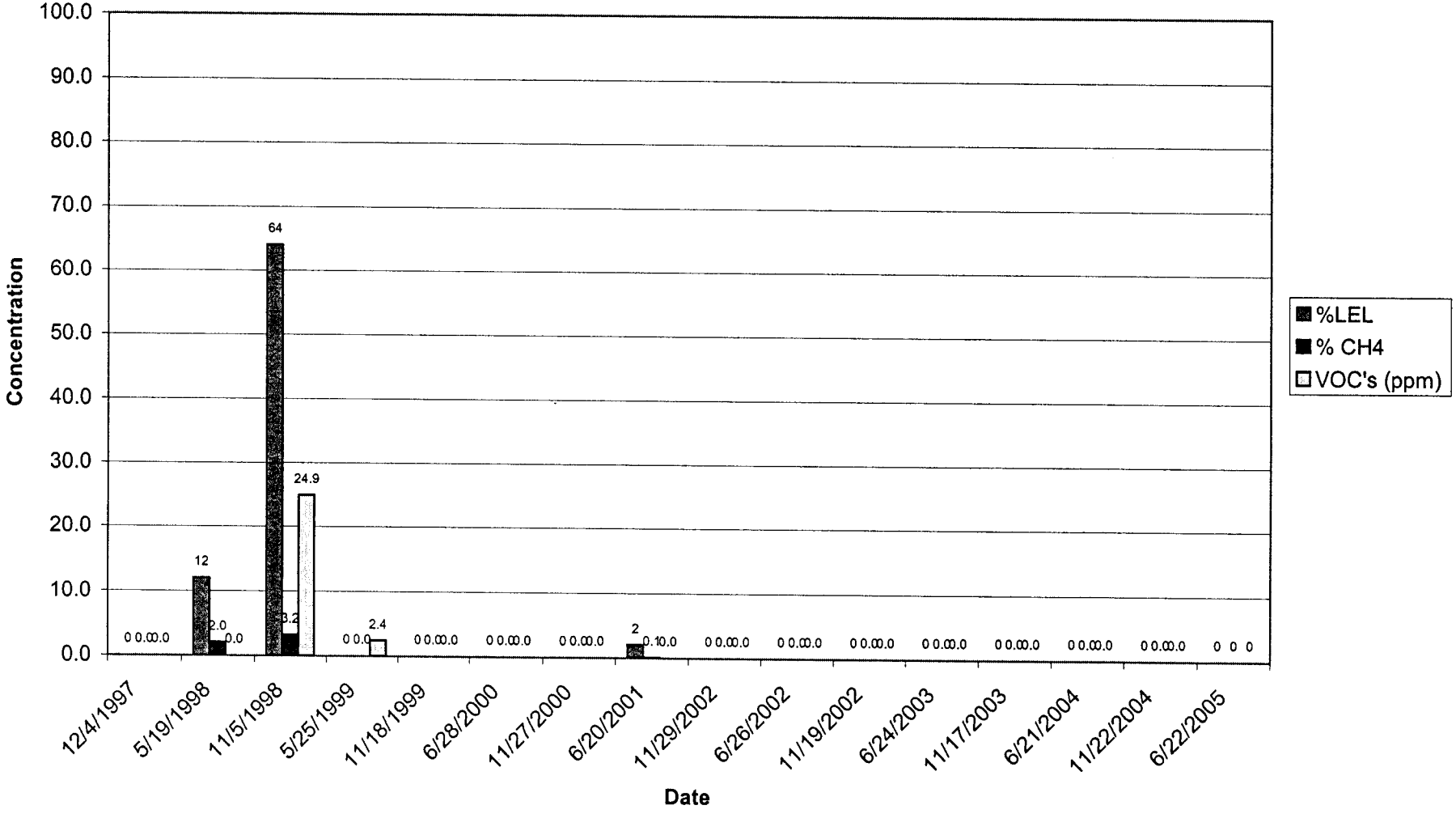
Attachment G

Historical Gas Vent Monitoring Graphs

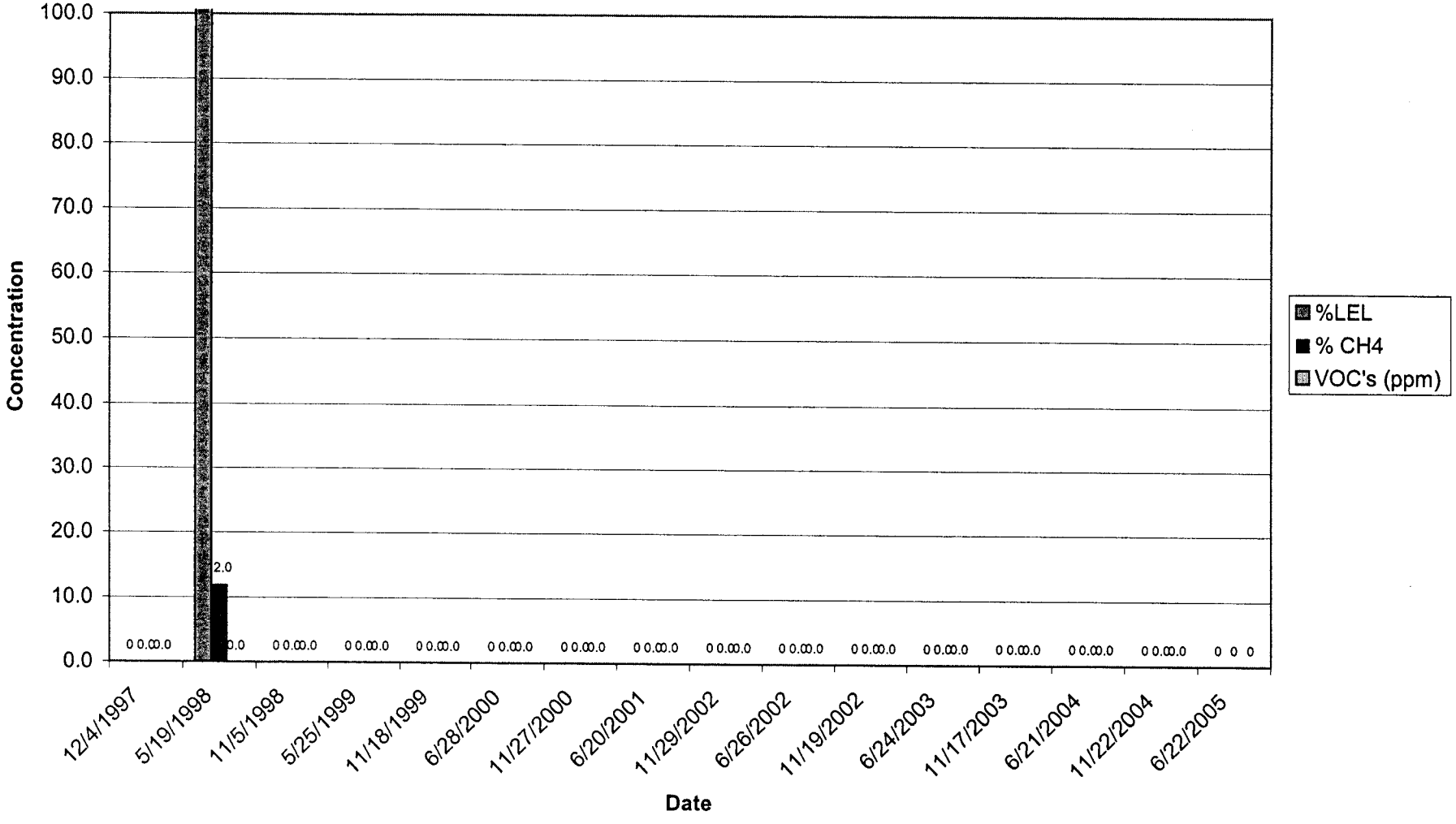
Village of Mamaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-1



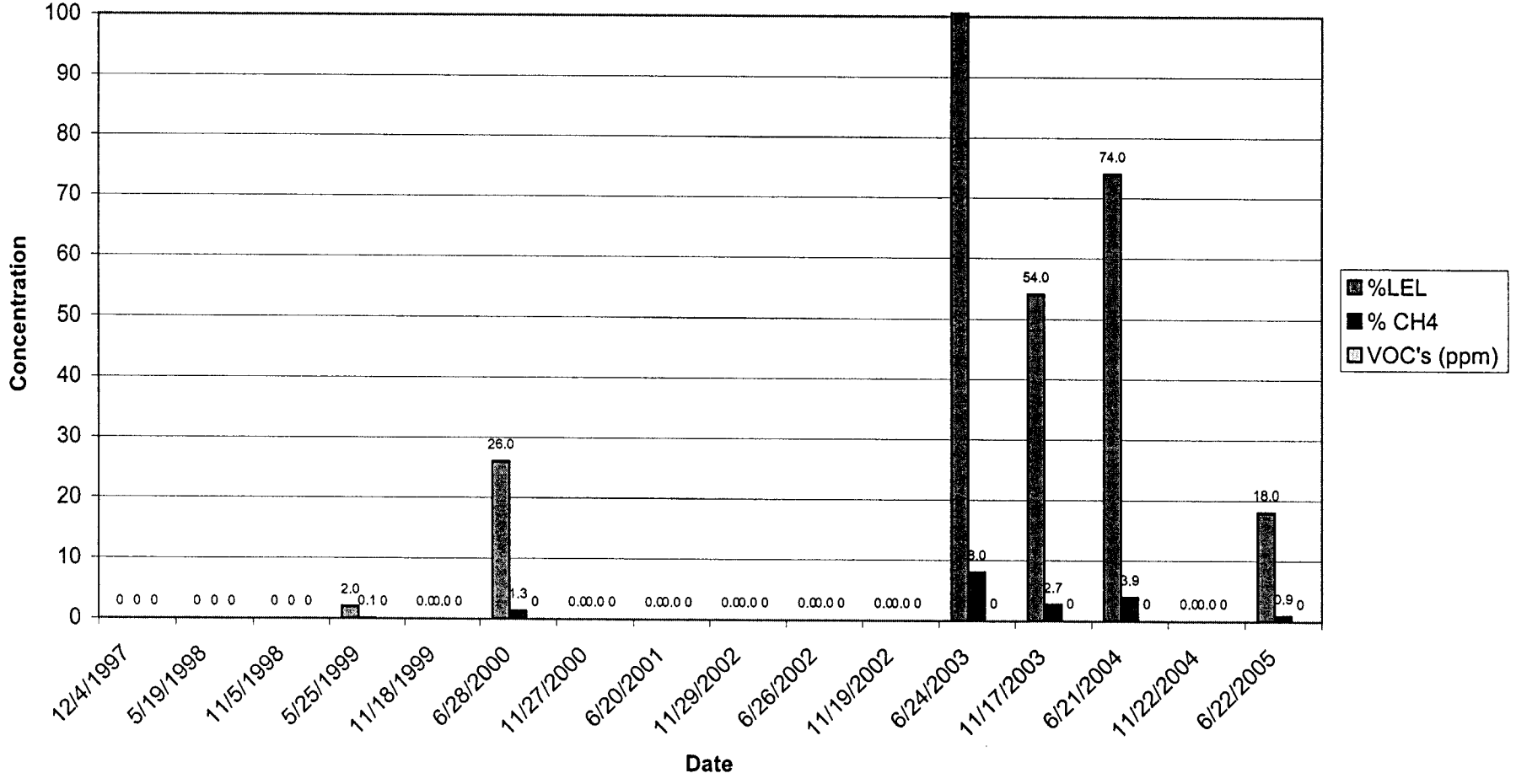
Village of Mamaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-2



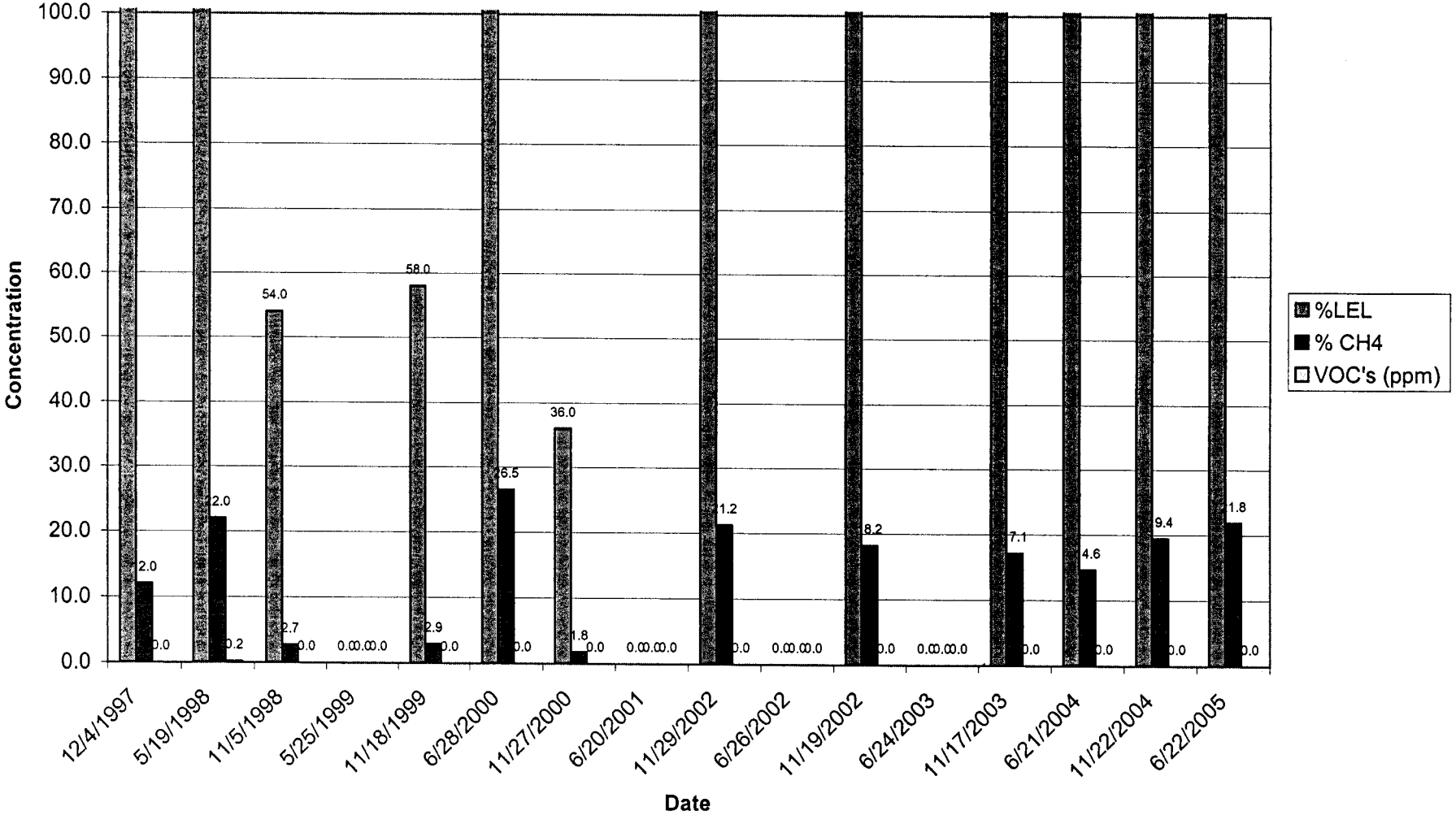
Village of Mamaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-3



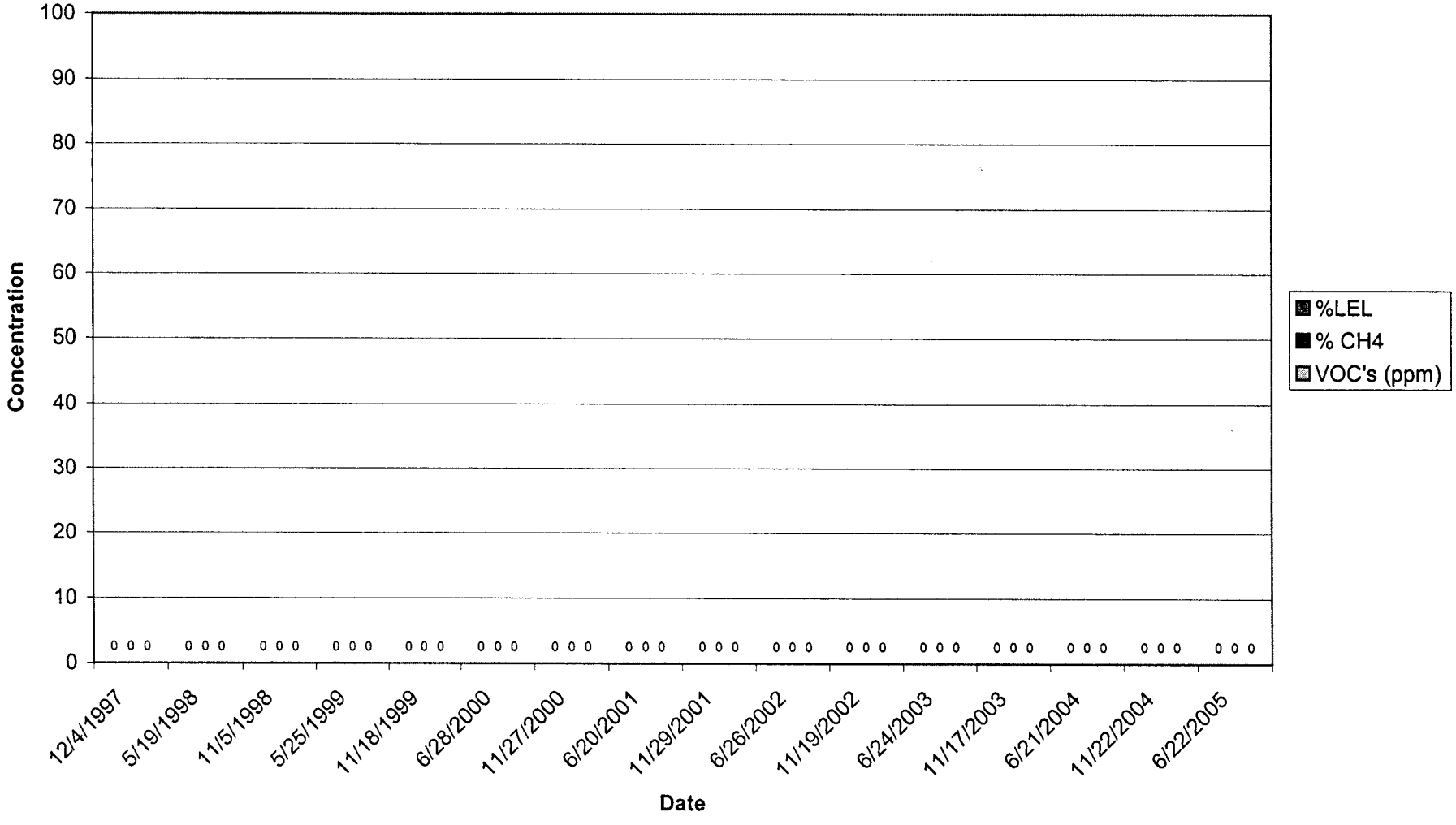
Village of Mamaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-4



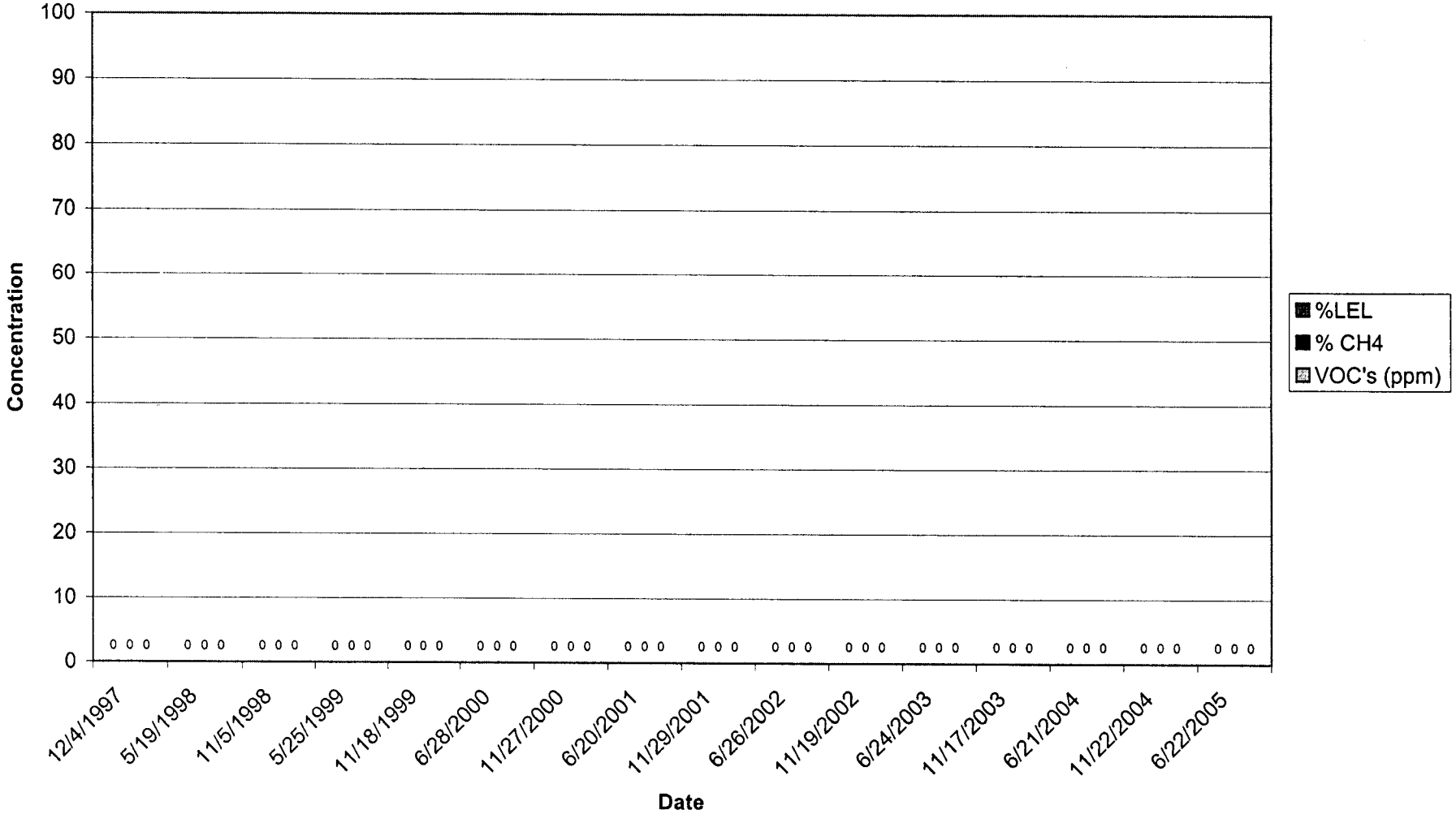
Village of Mamaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-5



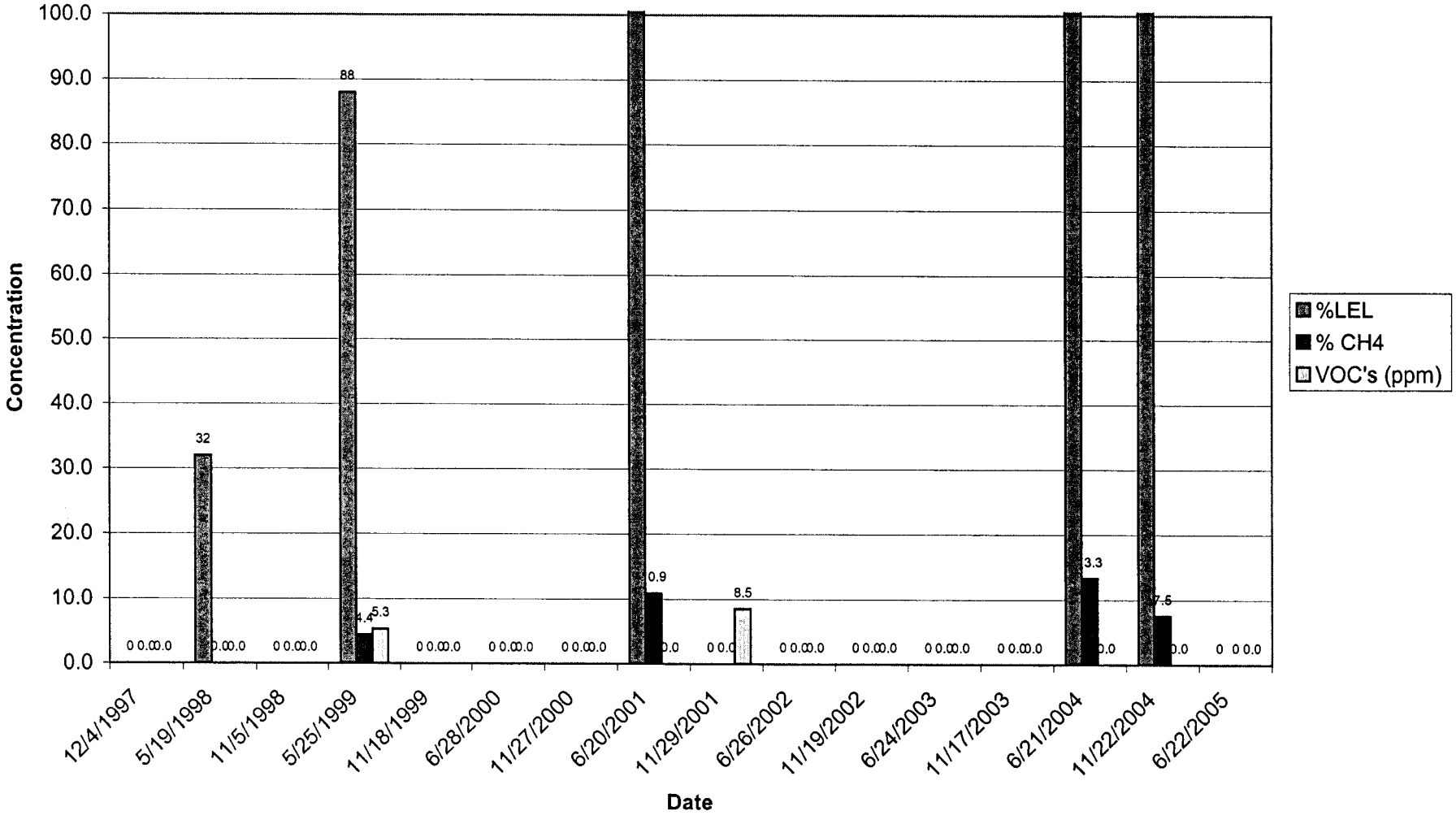
Village of Mamaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-6



Village of Mamaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-7



Village of MAmaroneck, Taylor Lane
Historical Gas Vent Monitoring
GV-8



Tables

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

Date Sampled: 6/22/05

Analytical Dilution		Analytical Parameters			
		Vinyl Chloride	MTBE	Tert-Butyl-Alcohol	CIS-1, 2-Dichloroethene
	Standard	2.0	10.0	NA	5.0
1.00		7.7	16	23	1.1
20.00		-	-	-	-

Notes:
* - All other VOC compounds analyzed for during the June 2005 sampling event were not detected.
U - Compound not detected
E - Concentrations exceed the calibration range

TABLE 2
Village of Mamaroneck
GAS VENT MONITORING
June 22, 2005

IDENTIFICATION	*TIME*	*PID (ppm)*	*% CH4*	*% LEL*
GV-1	12:00	0	0	0
GV-2	12:12	0	0	0
GV-3	12:26	0	0	0
GV-4	12:40	0	0.9	18
GV-5	13:00	0	21.8	436
GV-6	13:15	0	0	0
GV-7	13:24	0	0	0
GV-8	13:45	0	0	0

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

TABLE 3
Village of Mamaroneck
BAR HOLE MONITORING
June 22, 2005

IDENTIFICATION	*TIME*	*PID (ppm)*	*% CH4*	*% LEL*
BH-1	12:14	0.0	0.0	0.0
BH-2	12:19	0.0	0.0	0.0
BH-3	12:30	0.0	0.0	0.0
BH-4	12:42	0.0	0.0	0.0
BH-5	12:48	0.0	0.0	0.0
BH-6	13:04	0.0	0.0	0.0
BH-7	13:10	0.0	0.0	0.0
BH-8	13:18	0.0	0.0	0.0
BH-9	13:27	0.0	0.0	0.0
BH-10	13:34	0.0	0.0	0.0
BH-11	13:48	0.0	0.0	0.0
BH-12	14:00	0.0	0.0	0.0
BH-13	12:05	0.0	0.0	0.0

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

Drawing