EMCON/OWT, Inc.

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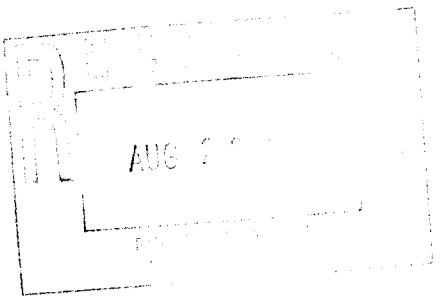
Shaw™ EMCON/OWT, Inc.

August 15, 2003
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



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

Dear Mr. Momberger:

On June 24, 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 June 24, 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 June 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 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) and Vinyl Chloride were 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 June 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 20.00 analytical dilution. The analytical results for the VOCs in well MW-2S included Methyl-Tert-Butyl-Ether (MTBE) and Vinyl Chloride, which were detected at concentrations of 270 ug/l and 3.3 ug/l, respectively. MTBE and Vinyl Chloride, in well MW-2S, exceeded the New York State Department of Conservation (NYSDEC) Part 703 Groundwater Guidance Values of 10 ug/l and 2.0 ug/l, respectively. 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 June 2003 monitoring can be found in Tables 2 and 3.

As evident from the photoionization detection (PID) readings (ND-non-detect), volatile organic vapors were not detected in any of the gas vents or perimeter probes for the June 2003 sampling event. Methane Gas was detected at GV-1, which had readings of 0.2% methane gas and 4.0% LEL, and at GV-4, which had 8.0% methane gas and 160% 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 November 2003 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 201-512-5730.

Sincerely,

EMCON/OWT, Inc.

Laura Kisala
Environmental Scientist

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: Sanford I. Miller – Village of Mamaroneck
Michael Schumaci – EMCON/OWT Inc.

Tables

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

Date Sampled: 6/24/03

Analytical Dilution		Analytical Parameters			
		Vinyl Chloride		MTBE	
	Standard	2.0		10.0	
1.00		3.3		360	E
20.00		10.0	U	270	

Notes:

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

U - Compound not detected

J - Estimated value, less than detection limit

E - Concentrations exceed the calibration range

TABLE 2
Village of Mamaroneck
GAS VENT MONITORING
June 24, 2003

IDENTIFICATION	*TIME*	*PID (ppm)*	*% CH4*	*% LEL*
GV-1	7:25	ND	0.2	4.0
GV-2	7:42	ND	ND	ND
GV-3	7:54	ND	ND	ND
GV-4	8:01	ND	8.0	160.0
GV-5	8:19	ND	ND	ND
GV-6	8:35	ND	ND	ND
GV-7	8:45	ND	ND	ND
GV-8	8:55	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
June 24, 2003

IDENTIFICATION	*TIME*	*PID (ppm)*	*% CH4*	*% LEL*
BH-1	7:44	ND	ND	ND
BH-2	7:47	ND	ND	ND
BH-3	7:51	ND	ND	ND
BH-4	8:06	ND	ND	ND
BH-5	8:11	ND	ND	ND
BH-6	8:15	ND	ND	ND
BH-7	8:25	ND	ND	ND
BH-8	8:31	ND	ND	ND
BH-9	8:36	ND	ND	ND
BH-10	8:39	ND	ND	ND
BH-11	8:51	ND	ND	ND
BH-12	9:02	ND	ND	ND
BH-13	7:30	ND	ND	ND

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

Attachment A

Laboratory Data Summary Package

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

July 18, 2003

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

PROJECT:MAMARONECK-TAYLORS LANE 791158-01
Submission #:R2317358

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.

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 791158-01
Lab Submission #	: R2317358
Project Manager	: Mark Wilson
Reported	: 07/18/03

Report Contains a total of 27 pages

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 #: R2317358

Lab ID	Client ID
651566	MW-1S
651567	MW-1D
651568	MW-2S
651569	MW-2D
651570	MW-3S
651571	MW-3D
651759	TRIP BLANK

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

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 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

Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-1S

Date Sampled : 06/24/03 **Order #:** 651566 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/09/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	07/01/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-1D

Date Sampled : 06/24/03 **Order #:** 651567 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/09/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	07/01/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-2S

Date Sampled : 06/24/03 **Order #:** 651568 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/09/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	07/01/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-2S

Date Sampled : 06/24/03 **Order #:** 651568 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358 **Analytical Run** 93136

DATE ANALYZED : 06/30/03
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	360 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

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-2S

Date Sampled : 06/24/03 **Order #:** 651568 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358 **Analytical Run** 93136

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/30/03			
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	3.3	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 %)	70	%
1,2-DICHLOROBENZENE-D4	(59 - 136 %)	75	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-2S

Date Sampled : 06/24/03 **Order #:** 651568 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358 **Analytical Run** 93136

DATE ANALYZED : 07/07/03
ANALYTICAL DILUTION: 20.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	10 U	UG/L
BROMOBENZENE	0.50	10 U	UG/L
BROMOCHLOROMETHANE	0.50	10 U	UG/L
BROMODICHLOROMETHANE	0.50	10 U	UG/L
BROMOFORM	0.50	10 U	UG/L
BROMOMETHANE	0.50	10 U	UG/L
TERT-BUTYL ALCOHOL	20	400 U	UG/L
METHYL-TERT-BUTYL ETHER	0.50	270	UG/L
TERT-BUTYLBENZENE	0.50	10 U	UG/L
SEC-BUTYLBENZENE	0.50	10 U	UG/L
N-BUTYLBENZENE	0.50	10 U	UG/L
CARBON TETRACHLORIDE	0.50	10 U	UG/L
CHLOROBENZENE	0.50	10 U	UG/L
CHLOROETHANE	0.50	10 U	UG/L
CHLOROFORM	0.50	10 U	UG/L
CHLOROMETHANE	0.50	10 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	10 U	UG/L
2-CHLOROTOLUENE	0.50	10 U	UG/L
4-CHLOROTOLUENE	0.50	10 U	UG/L
DIBROMOCHLOROMETHANE	0.50	10 U	UG/L
1,2-DIBROMOETHANE	0.50	10 U	UG/L
DIBROMOMETHANE	0.50	10 U	UG/L
1,2 DICHLOROBENZENE	0.50	10 U	UG/L
1,4-DICHLOROBENZENE	0.50	10 U	UG/L
1,3-DICHLOROBENZENE	0.50	10 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	10 U	UG/L
1,1-DICHLOROETHANE	0.50	10 U	UG/L
1,2-DICHLOROETHANE	0.50	10 U	UG/L
1,1-DICHLOROETHENE	0.50	10 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	10 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	10 U	UG/L
2,2-DICHLOROPROPANE	0.50	10 U	UG/L
1,2-DICHLOROPROPANE	0.50	10 U	UG/L
1,3-DICHLOROPROPANE	0.50	10 U	UG/L
1,1-DICHLOROPROPENE	0.50	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	10 U	UG/L
ETHYLBENZENE	0.50	10 U	UG/L
HEXACHLOROBUTADIENE	0.50	10 U	UG/L
ISOPROPYLBENZENE	0.50	10 U	UG/L
P-ISOPROPYLTOLUENE	0.50	10 U	UG/L
METHYLENE CHLORIDE	0.50	10 U	UG/L
NAPHTHALENE	0.50	10 U	UG/L
N-PROPYLBENZENE	0.50	10 U	UG/L

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-2S

Date Sampled : 06/24/03 **Order #:** 651568 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358 **Analytical Run** 93136

DATE ANALYZED : 07/07/03
ANALYTICAL DILUTION: 20.00

ANALYTE	PQL	RESULT	UNITS
STYRENE	0.50	10 U	UG/L
1,1,1,2-TETRACHLOROETHANE	0.50	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	10 U	UG/L
TETRACHLOROETHENE	0.50	10 U	UG/L
TOLUENE	0.50	10 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	10 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	10 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	10 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	10 U	UG/L
TRICHLOROETHENE	0.50	10 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	10 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	10 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	10 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	10 U	UG/L
VINYL CHLORIDE	0.50	10 U	UG/L
M+P-XYLENE	0.50	10 U	UG/L
O-XYLENE	0.50	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(64 - 127 %)	86	%
1,2-DICHLOROBENZENE-D4	(59 - 136 %)	86	%

COLUMBIA ANALYTICAL SERVICES

Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-2D

Date Sampled : 06/24/03 **Order #:** 651569 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/09/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	07/01/03	1.0
ZINC	6010B	0.0200	0.0429	MG/L	07/09/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-3S

Date Sampled : 06/24/03 **Order #:** 651570 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/09/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0
LEAD	6010B	0.00500	0.00681	MG/L	07/09/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	07/01/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : MW-3D

Date Sampled : 06/24/03 **Order #:** 651571 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	07/09/03	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	07/09/03	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	07/01/03	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	07/09/03	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : TRIP BLANK

Date Sampled : / / **Order #:** 651759 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358 **Analytical Run** 93136

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/30/03			
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

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Shaw E&I Inc.
Project Reference: MAMARONECK-TAYLORS LANE 791158-01
Client Sample ID : TRIP BLANK

Date Sampled : / / **Order #:** 651759 **Sample Matrix:** WATER
Date Received: 06/25/03 **Submission #:** R2317358 **Analytical Run** 93136

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/30/03			
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	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 %)	64 *	%
1,2-DICHLOROBENZENE-D4	(59 - 136 %)	75	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 656835 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 93136

DATE ANALYZED : 06/30/03
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

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 07/18/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 656835 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 93136

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/30/03			
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	(64 - 127 %)	84	%
1,2-DICHLOROBENZENE-D4	(59 - 136 %)	82	%

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2317358
Client: Shaw E&I Inc.
MAMARONECK-TAYLORS LANE 791158-01

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MERCURY	0.000300 U	0.00102	0.00100	102	80 - 120	92604	MG/L
ARSENIC	0.0100 U	0.0408	0.0400	102	80 - 120	92888	MG/L
CADMIUM	0.00500 U	0.0505	0.0500	101	80 - 120	92888	MG/L
COPPER	0.0200 U	0.261	0.250	104	80 - 120	92888	MG/L
LEAD	0.00500 U	0.497	0.500	99	80 - 120	92888	MG/L
ZINC	0.0200 U	0.528	0.500	106	80 - 120	92888	MG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 656839 ANALYTICAL RUN # : 93136

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 6/30/2003			
ANALYTICAL DILUTION: 1.0			
BENZENE	2.00	90	70 - 130
BROMOBENZENE	2.00	93	70 - 130
BROMOCHLOROMETHANE	2.00	93	70 - 130
BROMODICHLOROMETHANE	2.00	106	70 - 130
BROMOFORM	2.00	97	70 - 130
BROMOMETHANE	2.00	122	70 - 130
TERT-BUTYL ALCOHOL	40.0	97	70 - 130
METHYL-TERT-BUTYL ETHER	2.00	91	70 - 130
TERT-BUTYLBENZENE	2.00	81	70 - 130
SEC-BUTYLBENZENE	2.00	81	70 - 130
N-BUTYLBENZENE	2.00	73	70 - 130
CARBON TETRACHLORIDE	2.00	108	70 - 130
CHLOROBENZENE	2.00	85	70 - 130
CHLOROETHANE	2.00	114	70 - 130
CHLOROFORM	2.00	104	70 - 130
CHLOROMETHANE	2.00	99	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	2.00	109	70 - 130
2-CHLOROTOLUENE	2.00	95	70 - 130
4-CHLOROTOLUENE	2.00	97	70 - 130
DIBROMOCHLOROMETHANE	2.00	102	70 - 130
1,2-DIBROMOETHANE	2.00	94	70 - 130
DIBROMOMETHANE	2.00	98	70 - 130
1,2-DICHLOROBENZENE	2.00	94	70 - 130
1,4-DICHLOROBENZENE	2.00	96	70 - 130
1,3-DICHLOROBENZENE	2.00	103	70 - 130
DICHLORODIFLUOROMETHANE	2.00	97	70 - 130
1,1-DICHLOROETHANE	2.00	103	70 - 130
1,2-DICHLOROETHANE	2.00	117	70 - 130
1,1-DICHLOROETHENE	2.00	89	70 - 130
TRANS-1,2-DICHLOROETHENE	2.00	89	70 - 130
CIS-1,2-DICHLOROETHENE	2.00	87	70 - 130
2,2-DICHLOROPROPANE	2.00	107	70 - 130
1,2-DICHLOROPROPANE	2.00	93	70 - 130
1,3-DICHLOROPROPANE	2.00	104	70 - 130
1,1-DICHLOROPROPENE	2.00	72	70 - 130
TRANS-1,3-DICHLOROPROPENE	2.00	95	70 - 130
CIS-1,3-DICHLOROPROPENE	2.00	91	70 - 130
ETHYLBENZENE	2.00	81	70 - 130
HEXACHLOROBUTADIENE	2.00	86	70 - 130
ISOPROPYLBENZENE	2.00	79	70 - 130
P-ISOPROPYLTOLUENE	2.00	82	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 656839 ANALYTICAL RUN # : 93136

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 6/30/2003			
ANALYTICAL DILUTION: 1.0			
METHYLENE CHLORIDE	2.00	97	70 - 130
NAPHTHALENE	2.00	96	70 - 130
N-PROPYLBENZENE	2.00	91	70 - 130
STYRENE	2.00	89	70 - 130
1,1,1,2-TETRACHLOROETHANE	2.00	97	70 - 130
1,1,2,2-TETRACHLOROETHANE	2.00	101	70 - 130
TETRACHLOROETHENE	2.00	81	70 - 130
TOLUENE	2.00	86	70 - 130
1,2,4-TRICHLOROBENZENE	2.00	89	70 - 130
1,2,3-TRICHLOROBENZENE	2.00	82	70 - 130
1,1,1-TRICHLOROETHANE	2.00	106	70 - 130
1,1,2-TRICHLOROETHANE	2.00	101	70 - 130
TRICHLOROETHENE	2.00	85	70 - 130
TRICHLOROFLUOROMETHANE	2.00	113	70 - 130
1,2,3-TRICHLOROPROPANE	2.00	120	70 - 130
1,3,5-TRIMETHYLBENZENE	2.00	93	70 - 130
1,2,4-TRIMETHYLBENZENE	2.00	84	70 - 130
VINYL CHLORIDE	2.00	94	70 - 130
M+P-XYLENE	4.00	88	70 - 130
O-XYLENE	2.00	84	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 656843 ANALYTICAL RUN # : 93136

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 7/ 7/2003			
ANALYTICAL DILUTION: 1.0			
BENZENE	2.00	96	70 - 130
BROMOBENZENE	2.00	90	70 - 130
BROMOCHLOROMETHANE	2.00	86	70 - 130
BROMODICHLOROMETHANE	2.00	113	70 - 130
BROMOFORM	2.00	87	70 - 130
BROMOMETHANE	2.00	123	70 - 130
TERT-BUTYL ALCOHOL	40.0	89	70 - 130
METHYL-TERT-BUTYL ETHER	2.00	99	70 - 130
TERT-BUTYLBENZENE	2.00	88	70 - 130
SEC-BUTYLBENZENE	2.00	91	70 - 130
N-BUTYLBENZENE	2.00	83	70 - 130
CARBON TETRACHLORIDE	2.00	111	70 - 130
CHLOROBENZENE	2.00	84	70 - 130
CHLOROETHANE	2.00	129	70 - 130
CHLOROFORM	2.00	111	70 - 130
CHLOROMETHANE	2.00	108	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	2.00	112	70 - 130
2-CHLOROTOLUENE	2.00	95	70 - 130
4-CHLOROTOLUENE	2.00	95	70 - 130
DIBROMOCHLOROMETHANE	2.00	96	70 - 130
1,2-DIBROMOETHANE	2.00	88	70 - 130
DIBROMOMETHANE	2.00	101	70 - 130
1,2-DICHLOROBENZENE	2.00	95	70 - 130
1,4-DICHLOROBENZENE	2.00	93	70 - 130
1,3-DICHLOROBENZENE	2.00	98	70 - 130
DICHLORODIFLUOROMETHANE	2.00	91	70 - 130
1,1-DICHLOROETHANE	2.00	107	70 - 130
1,2-DICHLOROETHANE	2.00	117	70 - 130
1,1-DICHLOROETHENE	2.00	97	70 - 130
TRANS-1,2-DICHLOROETHENE	2.00	96	70 - 130
CIS-1,2-DICHLOROETHENE	2.00	91	70 - 130
2,2-DICHLOROPROPANE	2.00	118	70 - 130
1,2-DICHLOROPROPANE	2.00	96	70 - 130
1,3-DICHLOROPROPANE	2.00	98	70 - 130
1,1-DICHLOROPROPENE	2.00	85	70 - 130
TRANS-1,3-DICHLOROPROPENE	2.00	99	70 - 130
CIS-1,3-DICHLOROPROPENE	2.00	96	70 - 130
ETHYLBENZENE	2.00	86	70 - 130
HEXACHLOROBUTADIENE	2.00	86	70 - 130
ISOPROPYLBENZENE	2.00	86	70 - 130
P-ISOPROPYLTOLUENE	2.00	85	70 - 130

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 656843 ANALYTICAL RUN # : 93136

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 7/ 7/2003			
ANALYTICAL DILUTION: 1.0			
METHYLENE CHLORIDE	2.00	108	70 - 130
NAPHTHALENE	2.00	98	70 - 130
N-PROPYLBENZENE	2.00	93	70 - 130
STYRENE	2.00	86	70 - 130
1,1,1,2-TETRACHLOROETHANE	2.00	93	70 - 130
1,1,2,2-TETRACHLOROETHANE	2.00	94	70 - 130
TETRACHLOROETHENE	2.00	91	70 - 130
TOLUENE	2.00	89	70 - 130
1,2,4-TRICHLOROBENZENE	2.00	91	70 - 130
1,2,3-TRICHLOROBENZENE	2.00	91	70 - 130
1,1,1-TRICHLOROETHANE	2.00	116	70 - 130
1,1,2-TRICHLOROETHANE	2.00	101	70 - 130
TRICHLOROETHENE	2.00	87	70 - 130
TRICHLOROFLUOROMETHANE	2.00	120	70 - 130
1,2,3-TRICHLOROPROPANE	2.00	106	70 - 130
1,3,5-TRIMETHYLBENZENE	2.00	90	70 - 130
1,2,4-TRIMETHYLBENZENE	2.00	92	70 - 130
VINYL CHLORIDE	2.00	109	70 - 130
M+P-XYLENE	4.00	89	70 - 130
O-XYLENE	2.00	83	70 - 130

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 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE 1 OF 1

SR #

CAS Contact

Project Name: MaMaroneck-Taylors Lane	Project Number: 791158-01
Project Manager: Brian Nichols	Report CC:
Company/Address: Shaw Encon/owT 1 International Blvd. Suite 700 Mahwah, N.J. 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

NUMBER OF CONTAINERS

GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP
GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP
GC VOA's ☐ 8021 ☐ 601/602
PESTICIDES/ PCB's ☐ 8081 ☐ 608 ☐ CLP ☐ 8082
STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP
STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP
TCLP ☐ VOA's ☐ METALS
WASTE CHARACTERIZATION ☐ SVOA's ☐ H/P ☐ React ☐ Corros. ☐ Ignit.
METALS, TOTAL (List in comments below)
METALS, DISSOLVED (List in comments below)
VOA's 5270.2

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 _____

REMARKS/ ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	METALS, DISSOLVED	VOA's 5270.2
MW-1S set#1	651566	6/24/03	8:31	AQ	1	1	
MW-1D set#2	67		9:20		1	1	
MW-2S set#3	68		10:05		4	1	3
MW-2D set#4	69		10:27		1	1	
MW-3S set#5	70		11:20		1	1	
MW-3D set#6	71	↓	11:00	↓	1	1	

SPECIAL INSTRUCTIONS/COMMENTS

Metals

Detection limits must be at or below NYS DEC GA Quality standards for all parameters.

I added 3 drops of HCL to each VOA. VOA's were not Preserved *see mark Wilson.

See QAPP ☐ metals: As, Cd, Co, 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:

R23/7358

SUBMISSION #:

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: Heather Lindsay	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Shaw Encon/owT	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 6/24/03 16:45	Date/Time: 6/25/03 9:35	Date/Time	Date/Time	Date/Time	Date/Time

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

SCOC-0402-40

Cooler Receipt And Preservation Check Form

Project/Client emon Submission Number 12-17358.

Cooler received on 6/25/03 by: DHP **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:	4				
	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: 6/25/03 9:55

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: 6/25/03 by: DHP

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: 06/24/03 @ 8:31
(lab) sample number: Set #1
field personnel: Brian Nichols
project: Mamaroneck
James Deacon
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp)
Sunny / Clear 82

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: 1.87 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: 2.85 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: 1.666667
elapsed time: 15
bail volume:
number of bails:
volume purged: 25 gallons
well volumes: 8.78
time purge complete: 8:30
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 ? [X] yes [ ] no
metals field filtered ? [ ] yes [X] no

depth of sample: ~ 6'
sample containers: One container

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): 6.21
temp (C): 14.5
cond (omhos): 941
ORP (mv): 68.5
turbidity (NTUs): 0
PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-1D
sample date/time: 06/24/03 @ 9:20
(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)
Sunny / Clear 82

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: 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: 10.45 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: 3.153846 elapsed time: 13
bail volume: number of bails:
volume purged: 41 gallons well volumes: 3.92
time purge complete: 9:18 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: ~3'
sample containers: One container

PHYSICAL AND CHEMICAL DATA

odor ? [X] no [ ] yes
sediment ? [X] no [ ] yes
color ? [X] no [ ] yes
[ ] clear [ ] turbid [ ] sheen [ ] immiscible product
[X] other Sl. Turbid
pH (SU): 8.06 temp (C): 14.9 cond (omhos): 573
ORP (mv): -23.2 turbidity (NTUs): 9.9 PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-2S
sample date/time: 06/24/03 @ 10:05
(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): Sunny / Clear 82

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: 1.32 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: 2.75 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: 1.35
elapsed time: 20
bail volume:
number of bails:
volume purged: 27 gallons
well volumes: 9.81
time purge complete: 10:00
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: One container and three VOA's

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): 7.37
temp (C): 13.9
cond (omhos): 895
ORP (mv): 9.7
turbidity (NTUs): 5.3
PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-2D
sample date/time: 06/24/03 @ 10:27
(lab) sample number: Set #4
field personnel: Brian Nichols
project: Mamaroneck
James Deacon
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp): Sunny / Clear 82

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: 1.76 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: 9.99 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: 2.916667
elapsed time: 12
bail volume:
number of bails:
volume purged: 35 gallons
well volumes: 3.50
time purge complete: 10:25
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: One container

PHYSICAL AND CHEMICAL DATA

odor ?
- [X] no
- [ ] yes

sediment ?
- [X] no
- [ ] yes

color ?
- [X] no
- [ ] yes

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

pH (SU): 7.83
temp (C): 14.1
cond (omhos): 564
ORP (mv): -12.9
turbidity (NTUs): 88.9
PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-3S
sample date/time: 06/24/03 @ 11:20
(lab) sample number: Set #5
field personnel: Brian Nichols
project: Mamaroneck
James Deacon
project number: 791158-01000000
observer:
weather conditions(estimate wind,cloud,precip,humidity,temp)
Sunny / Clear 82

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: 1.78 from [X] well casing from [ ] protective casing
bottom depth: 21.08 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: 3.09 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 ? [X] yes [ ] no
pumping rate: 2.7 elapsed time: 10
bail volume: number of bails:
volume purged: 27 gallons well volumes: 8.74
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: ~ 5 '
sample containers: One container

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): 6.75 temp (C): 13.3 cond (omhos): 1054
ORP (mv): 40.8 turbidity (NTUs): 11.4 PID (ppm):
comments/remarks:

EMCON

FIELD SAMPLING DATA SHEET

sample ID: MW-3D
sample date/time: 06/24/03 @ 11:00
(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)
Sunny / Clear 82

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: 1.81 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: 5.07 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: 2.4 elapsed time: 15
bail volume: number of bails:
volume purged: 36 gallons well volumes: 7.10
time purge complete: 10:58 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: ~ 5 '
sample containers: One container

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): 7.31 temp (C): 13.6 cond (omhos): 1039
ORP (mv): 15.1 turbidity (NTUs): 3.21 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

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

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

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

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

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

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	
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	
6/26/2002	1.6		1	U	50	
11/19/2002	5	U	5	U	56	
6/24/2003	3.3		0.5	U	270	

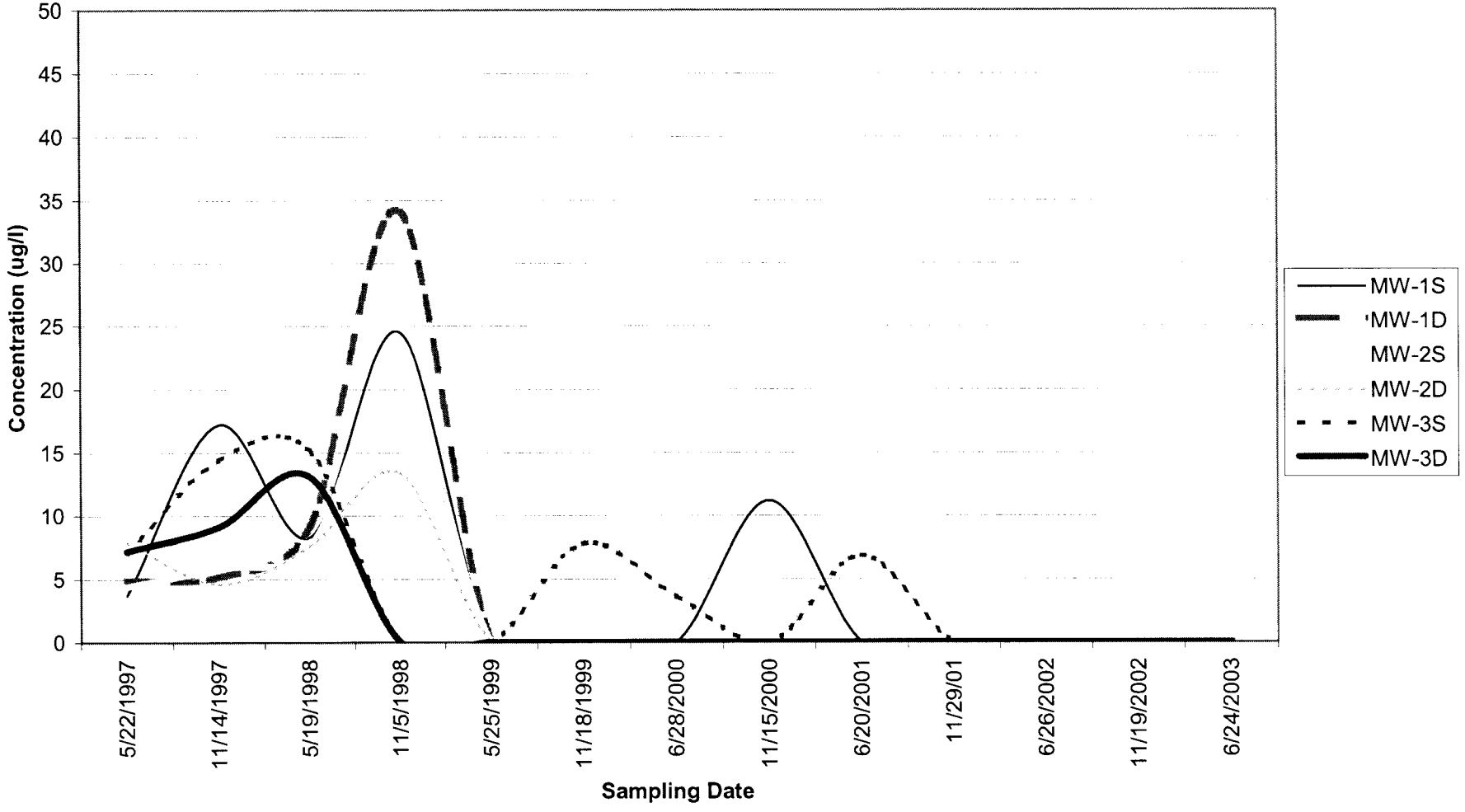
U - Compound not detected

J - Estimated value, less than detection limit

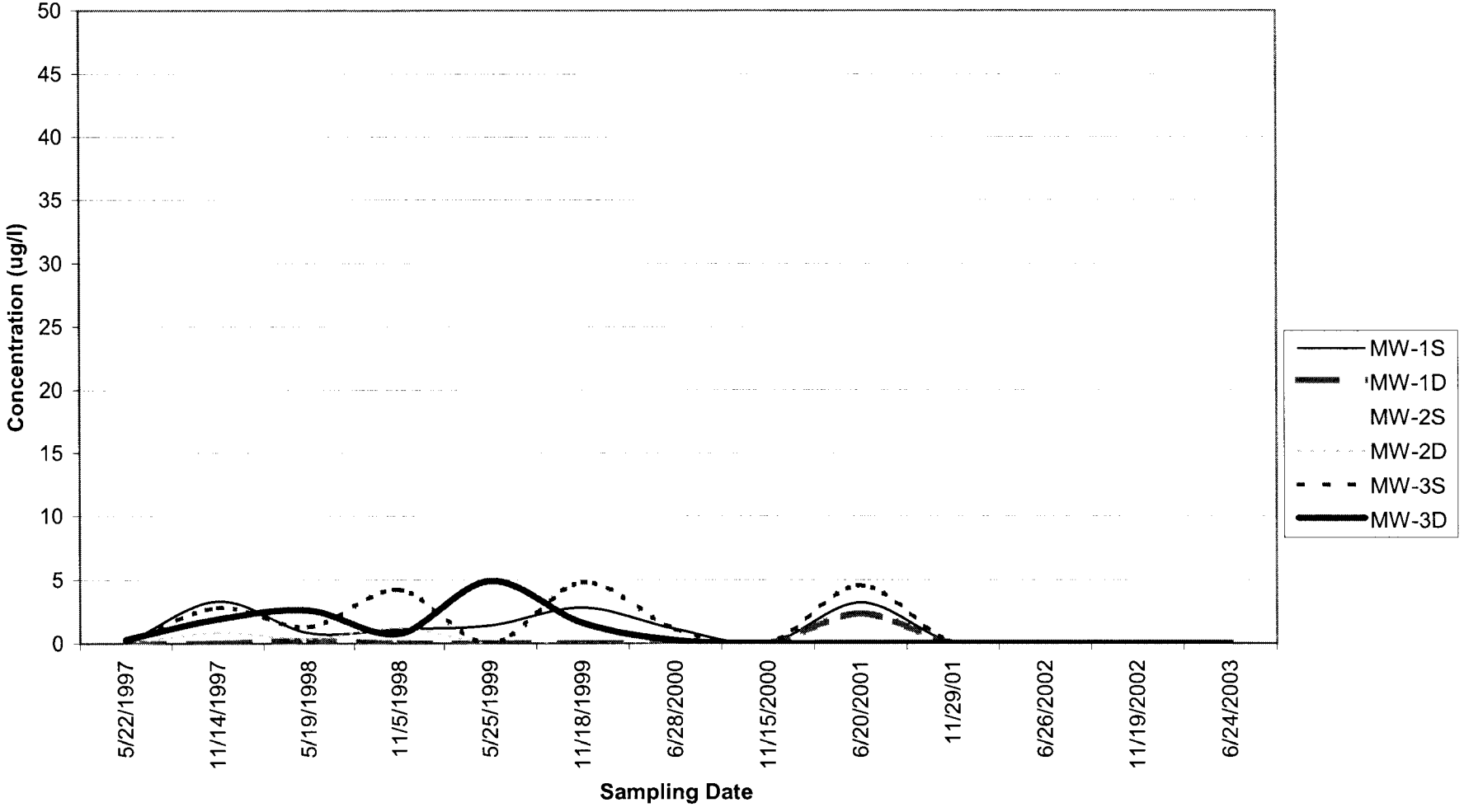
Attachment D

Historical Groundwater Monitoring Graphs

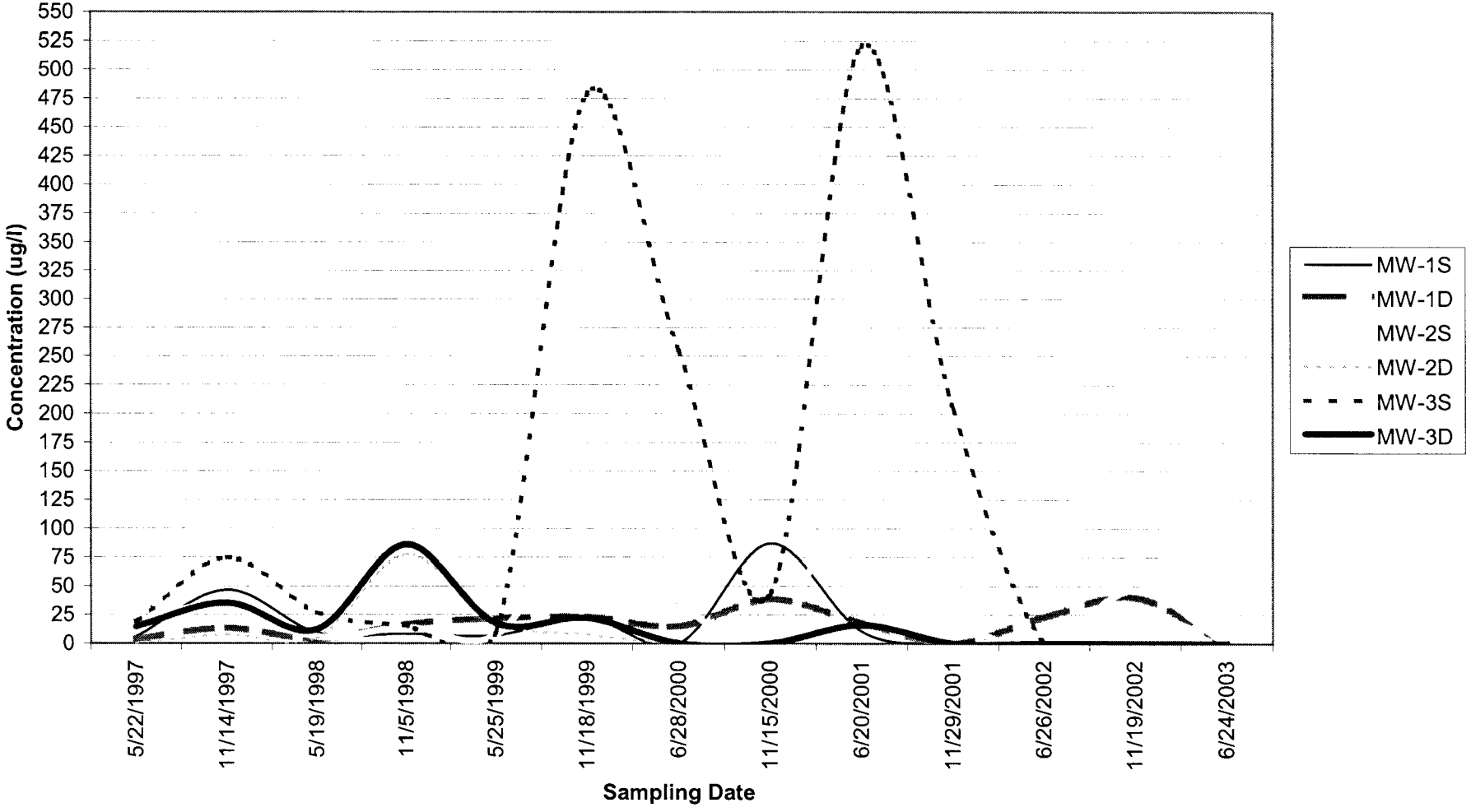
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Arsenic (ug/L)



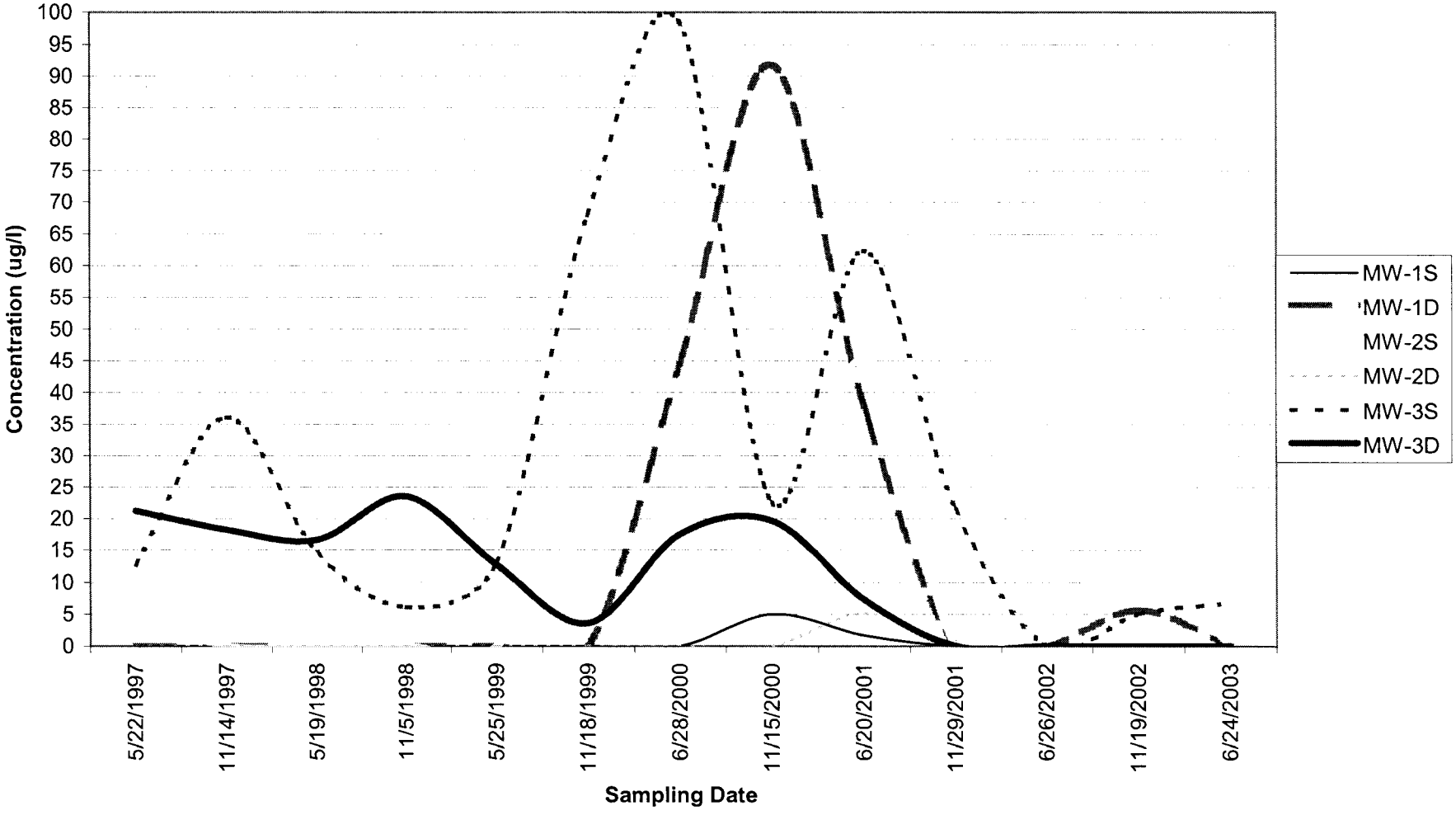
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Cadmium (ug/L)



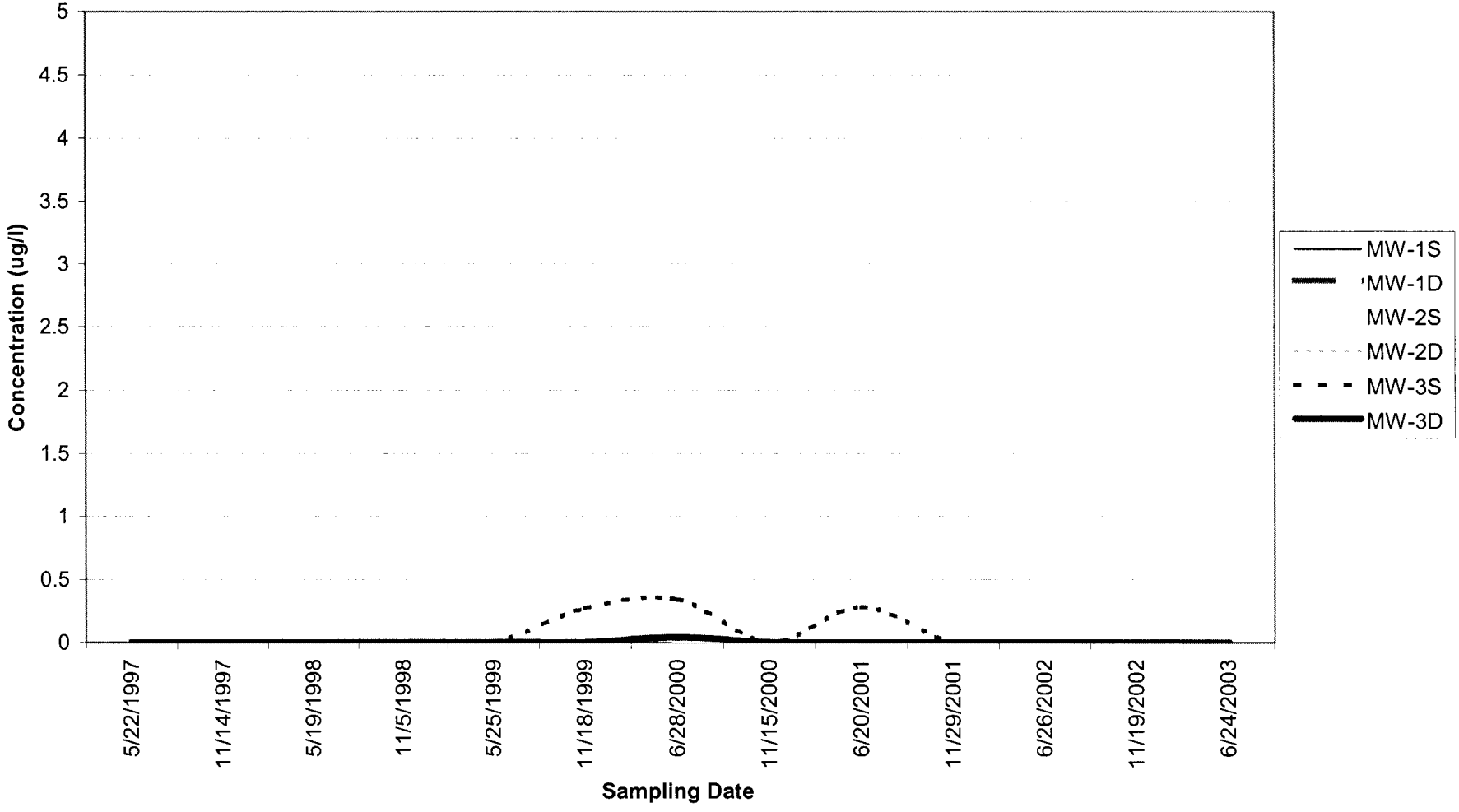
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Copper (ug/L)



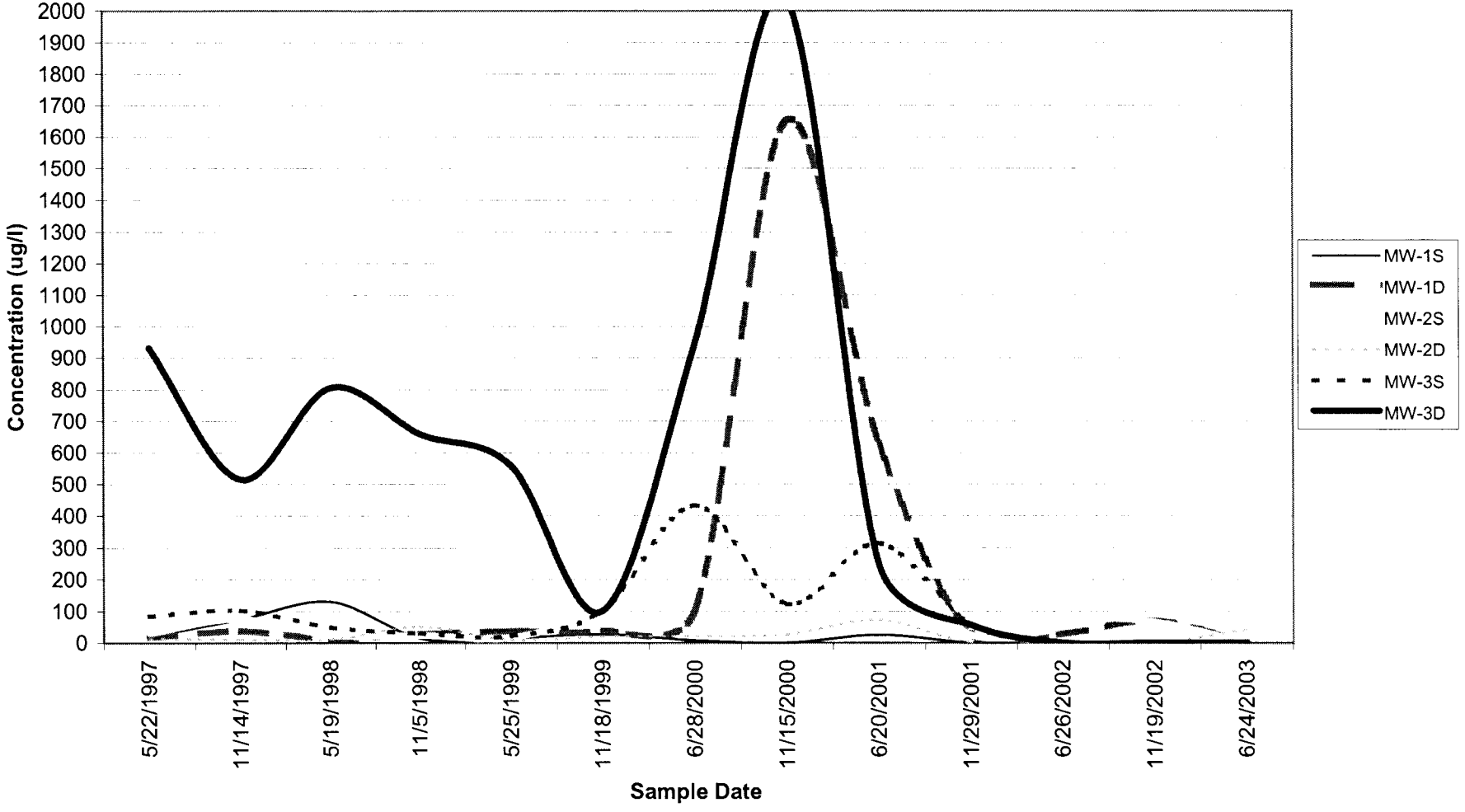
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Lead (ug/L)



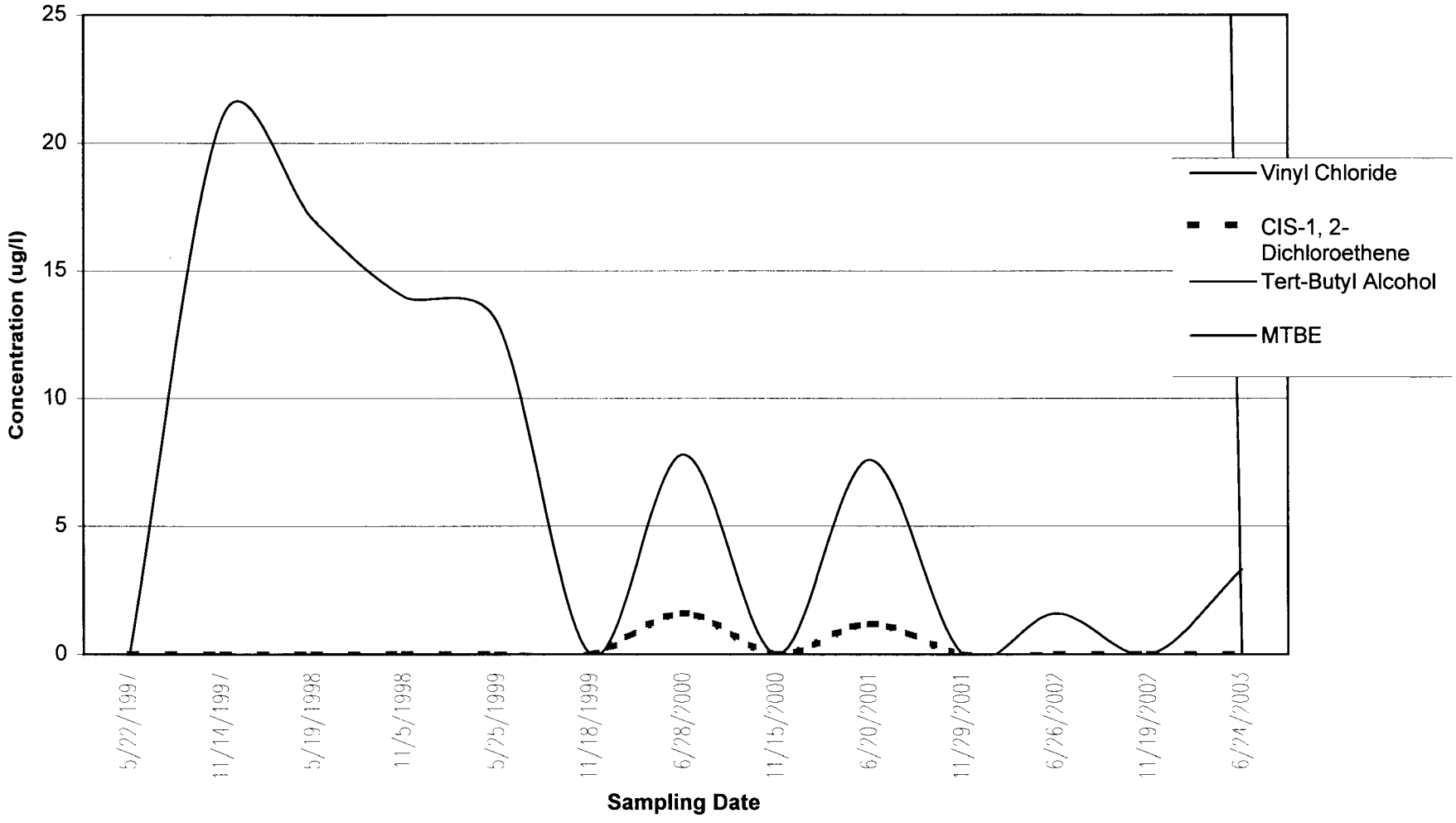
Village of Mamaroneck, Taylor Lane
Historical Groundwater Monitoring Results
Mercury (ug/L)



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

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

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

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

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

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

Attachment F

Historical Summary Tables for Gas Vent Monitoring

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

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-1	12/4/1997	ND	ND	ND
	5/19/2028	ND	2	38
	11/5/1998	ND	ND	ND
	5/25/1999	ND	0.2	4
	11/18/1999	ND	ND	ND
	6/28/2000	ND	ND	ND
	11/27/2000	0.4	0.5	10
	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

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
Landfill Gas Monitoring
GV-2

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-2	12/4/1997	ND	ND	ND
	5/19/2028	ND	2	12
	11/5/1998	24.9	3.2	64
	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
	11/29/2002	ND	ND	ND
	6/26/2002	ND	ND	ND
	11/19/2002	ND	ND	ND
	6/24/2003	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
Landfill Gas Monitoring
GV-3

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-3	12/4/1997	ND	ND	ND
	5/19/1998	ND	12	101
	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

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
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
	11/18/1999	ND	ND	ND
	6/28/2000	ND	1.3	26
	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	160.0

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
Landfill Gas Monitoring
GV-5

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-5	12/4/1997	ND	12	101
	5/19/2028	0.2	22	101
	11/5/1998	ND	2.7	54
	5/25/1999	ND	ND	ND
	11/18/1999	ND	2.9	58
	6/28/2000	ND	26.5	101
	11/27/2000	ND	1.8	36
	6/20/2001	ND	ND	ND
	11/29/2002	ND	21.2	101
	6/26/2002	ND	ND	ND
	11/19/2002	ND	18.2	101
	6/24/2003	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
Landfill Gas Monitoring
GV-6

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-6	12/4/1997	ND	ND	ND
	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

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
Landfill Gas Monitoring
GV-7

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-7	12/4/1997	ND	ND	ND
	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

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
Landfill Gas Monitoring
GV-8

ID	Date	VOC's (ppm)	% CH4	%LEL
GV-8	12/4/1997	ND	ND	ND
	5/19/2028	ND	ND	32
	11/5/1998	ND	ND	ND
	5/25/1999	5.3	4.4	88
	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
	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

Notes: ND = Not Detected

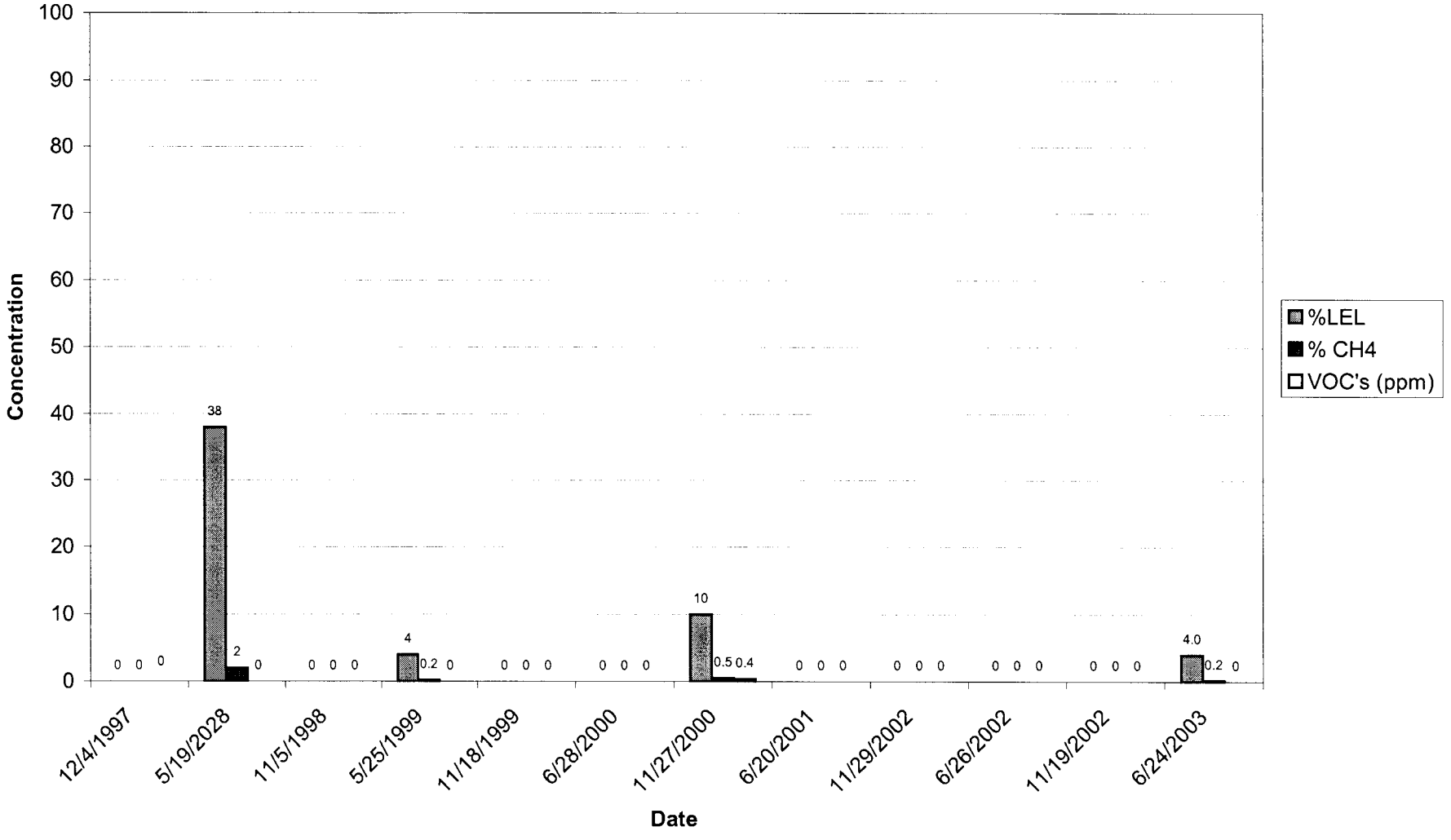
The value 101 is used for graphing purposes, 101 is the value greater than 100.

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

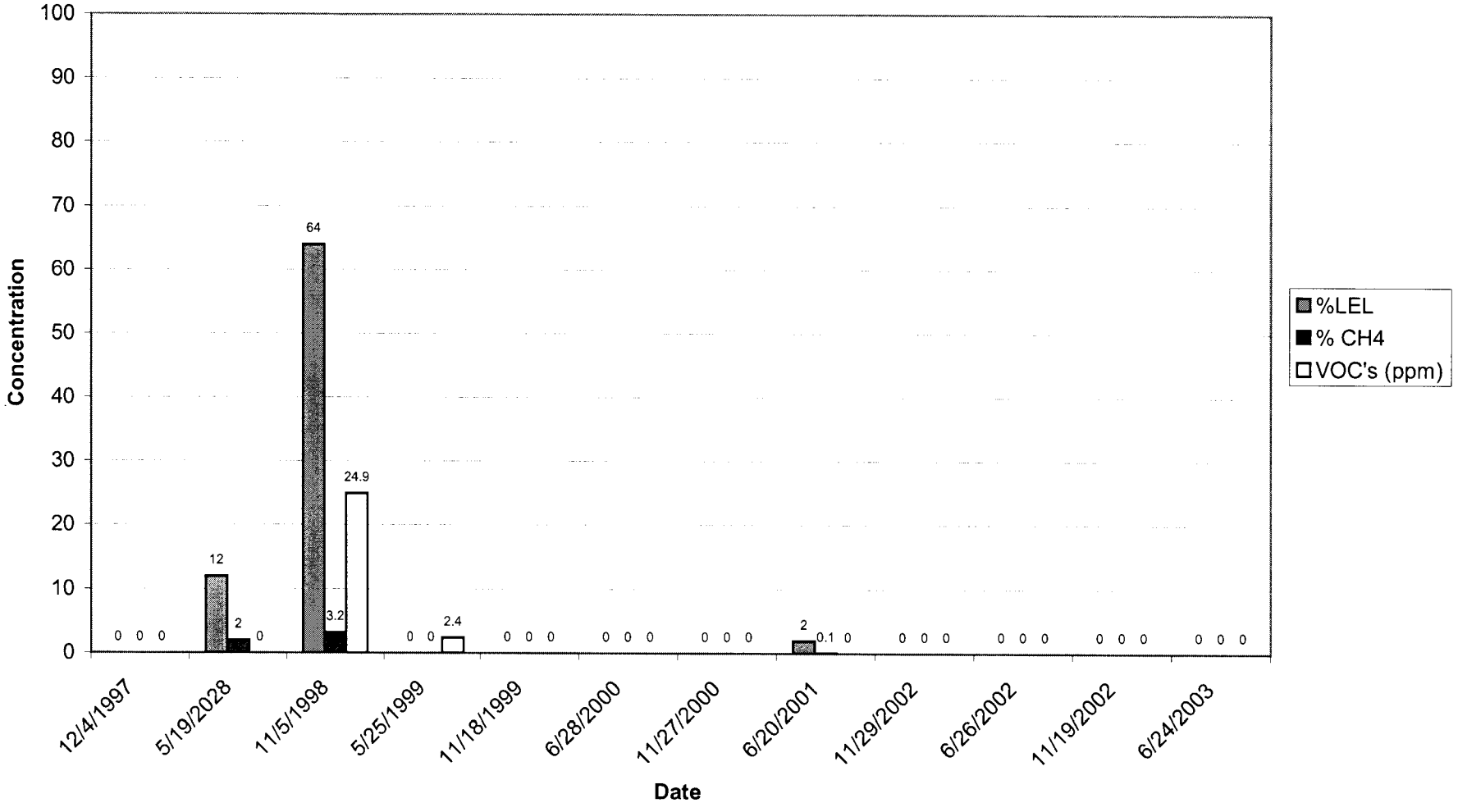
Attachment G

Historical Gas Vent Monitoring Graphs

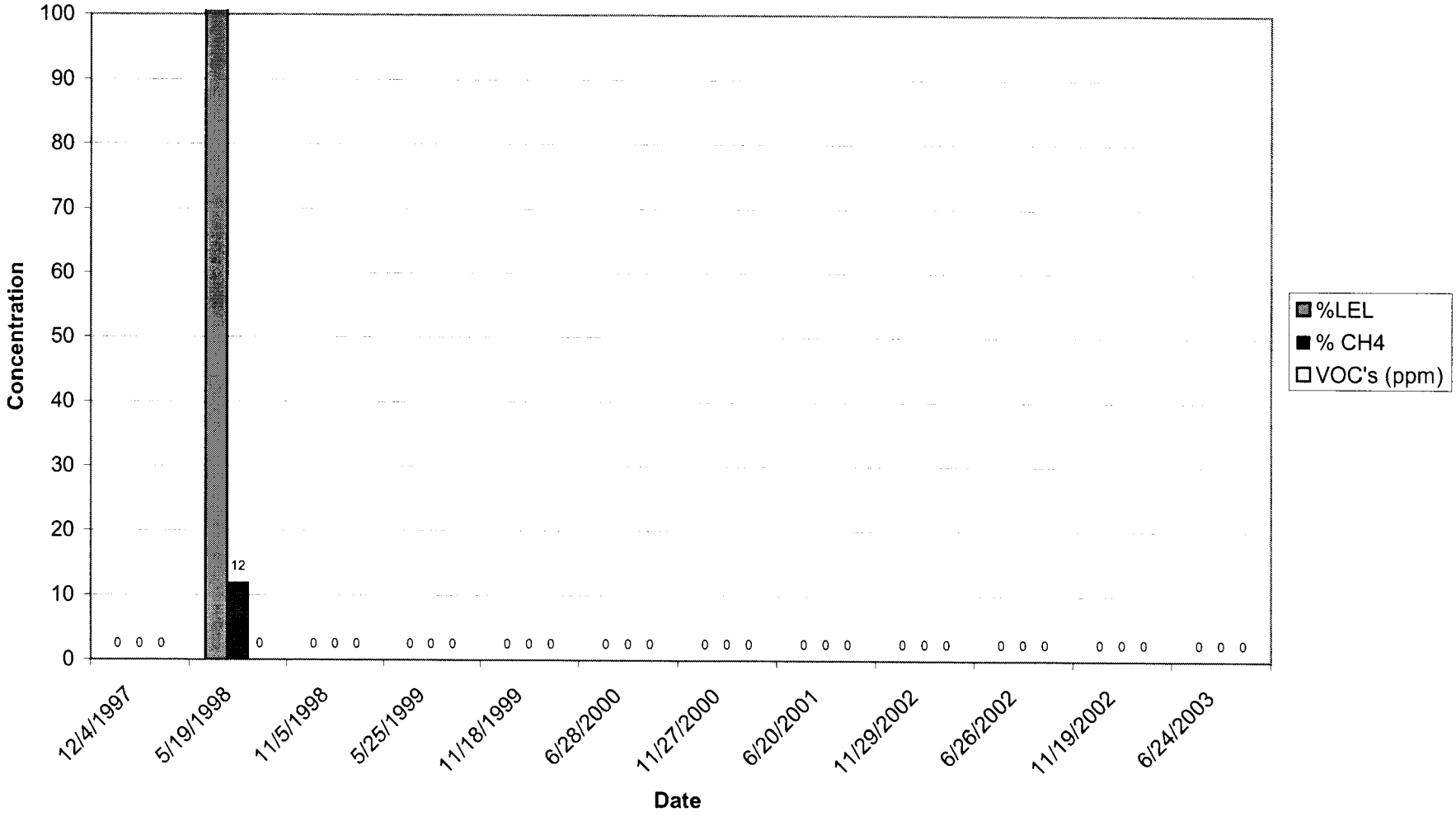
Village of Mamaroneck, Taylor Lane
Gas Vent Monitoring
GV-1



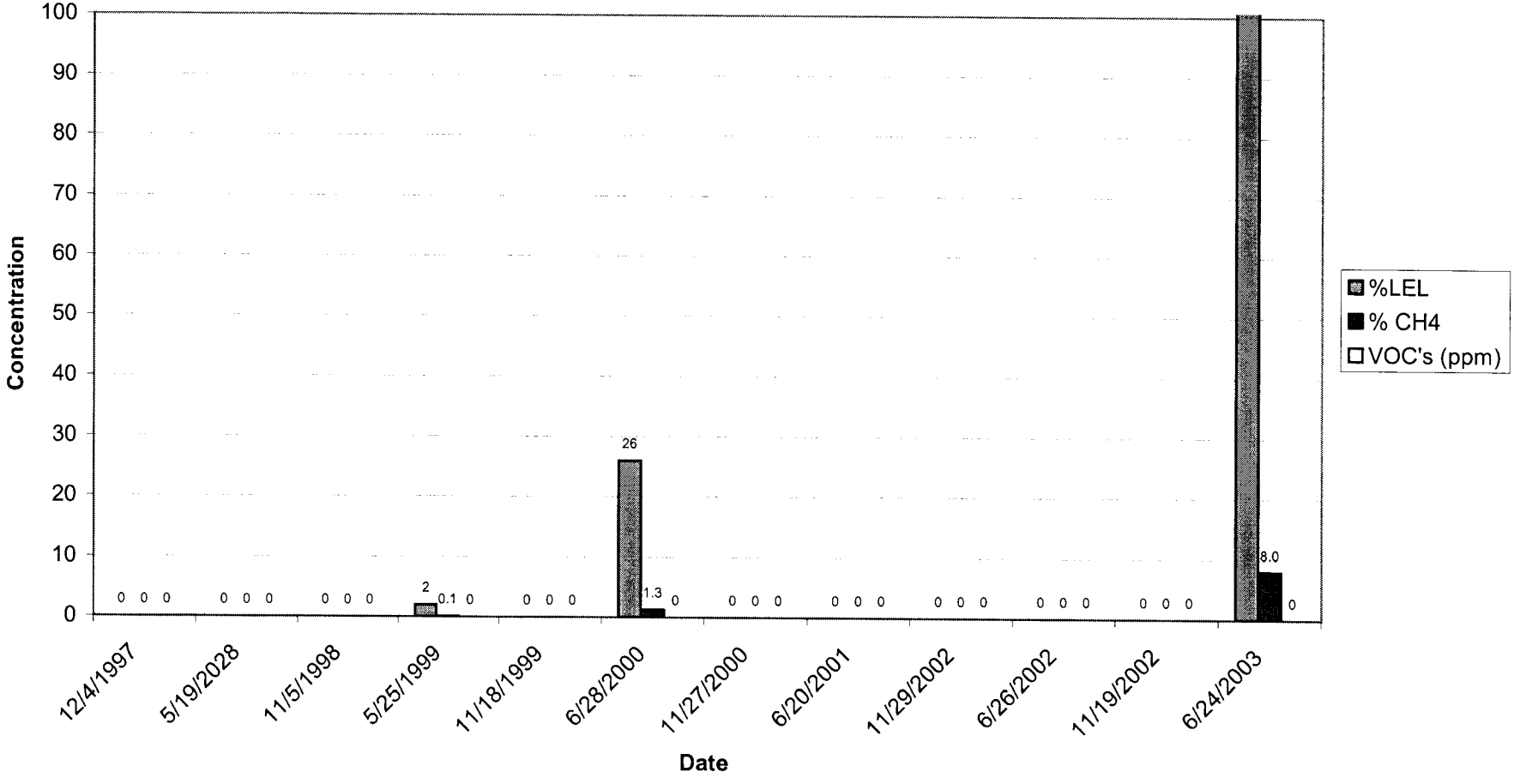
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-2



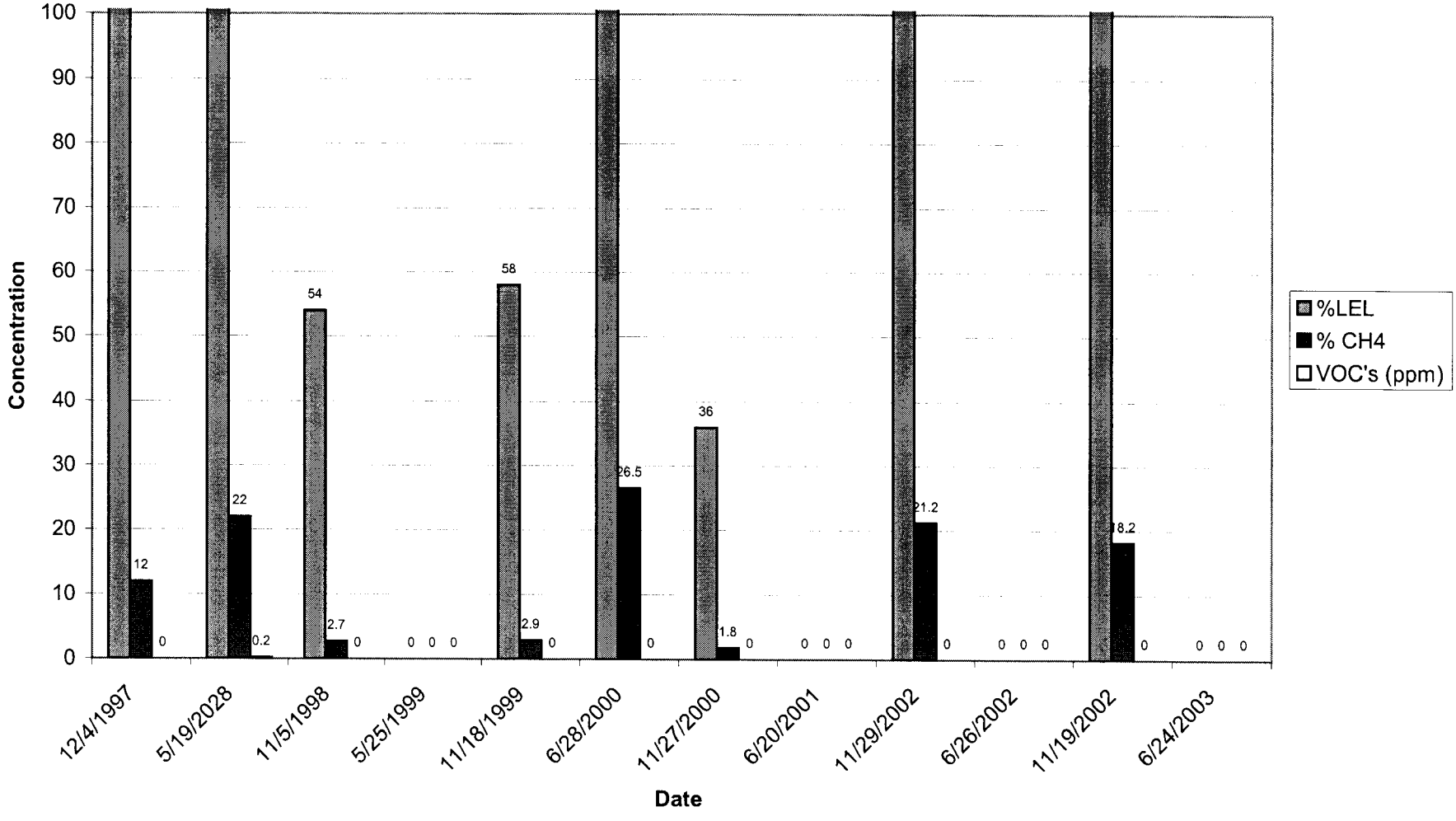
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-3



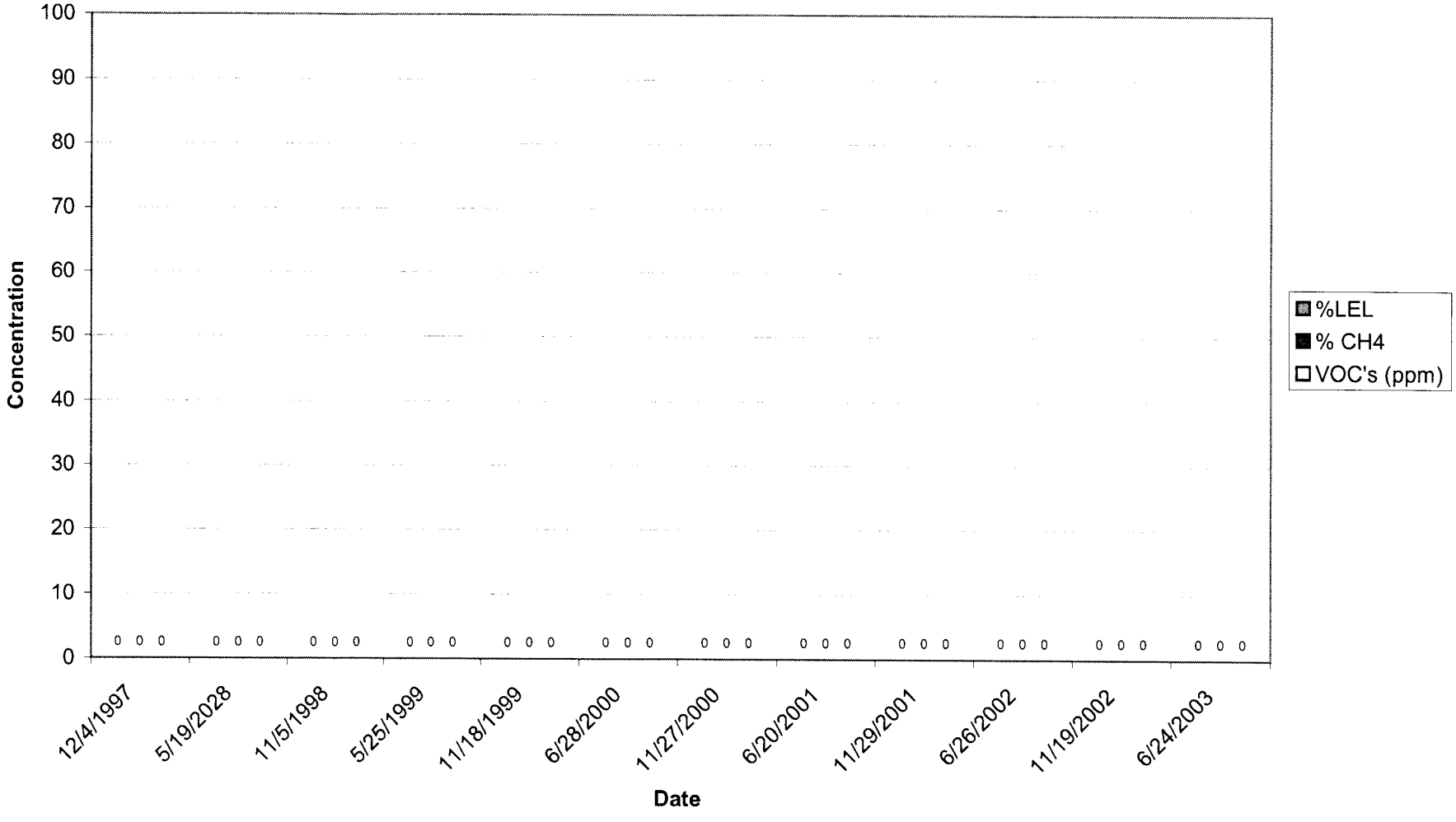
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-4



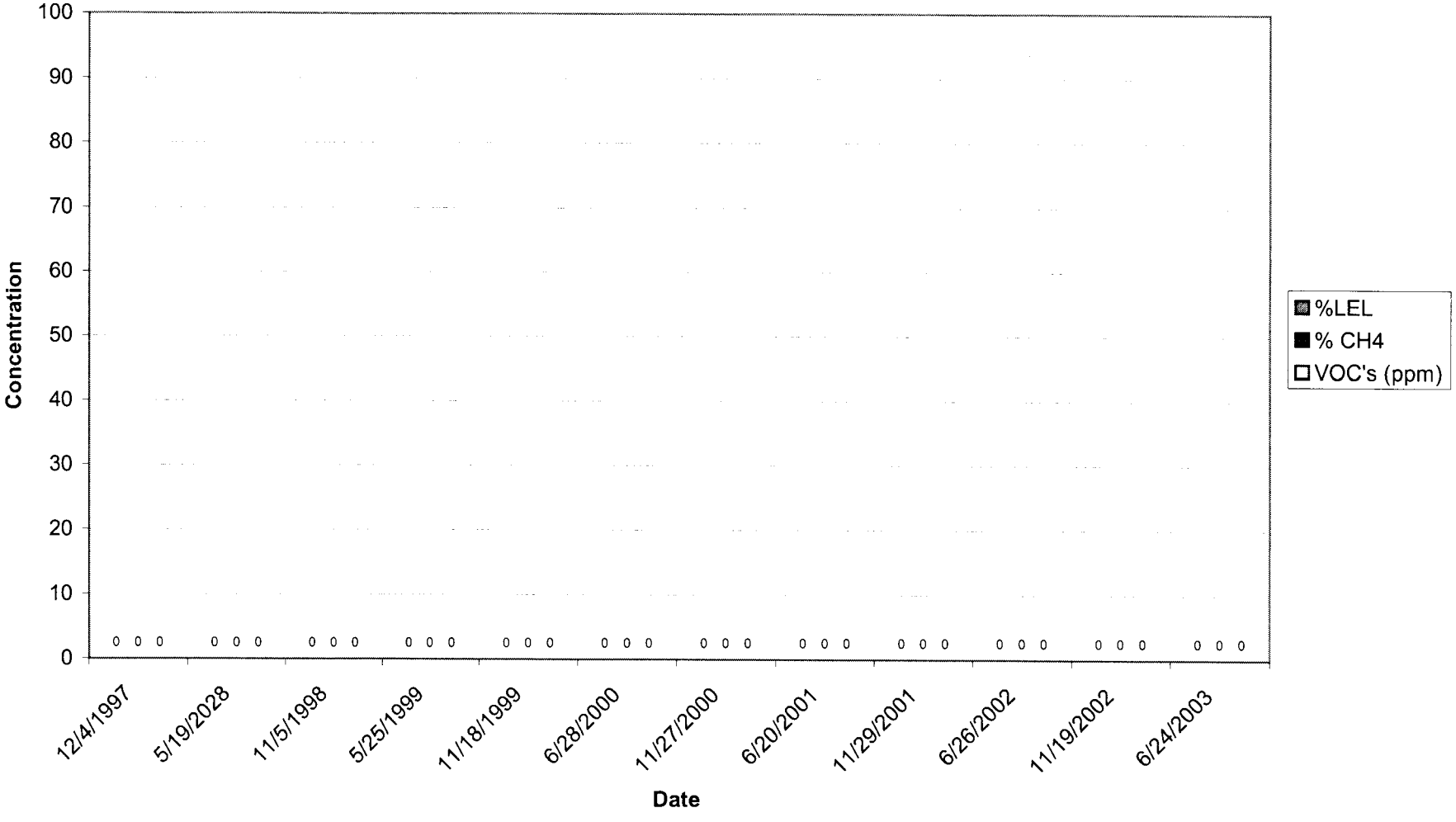
Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-5

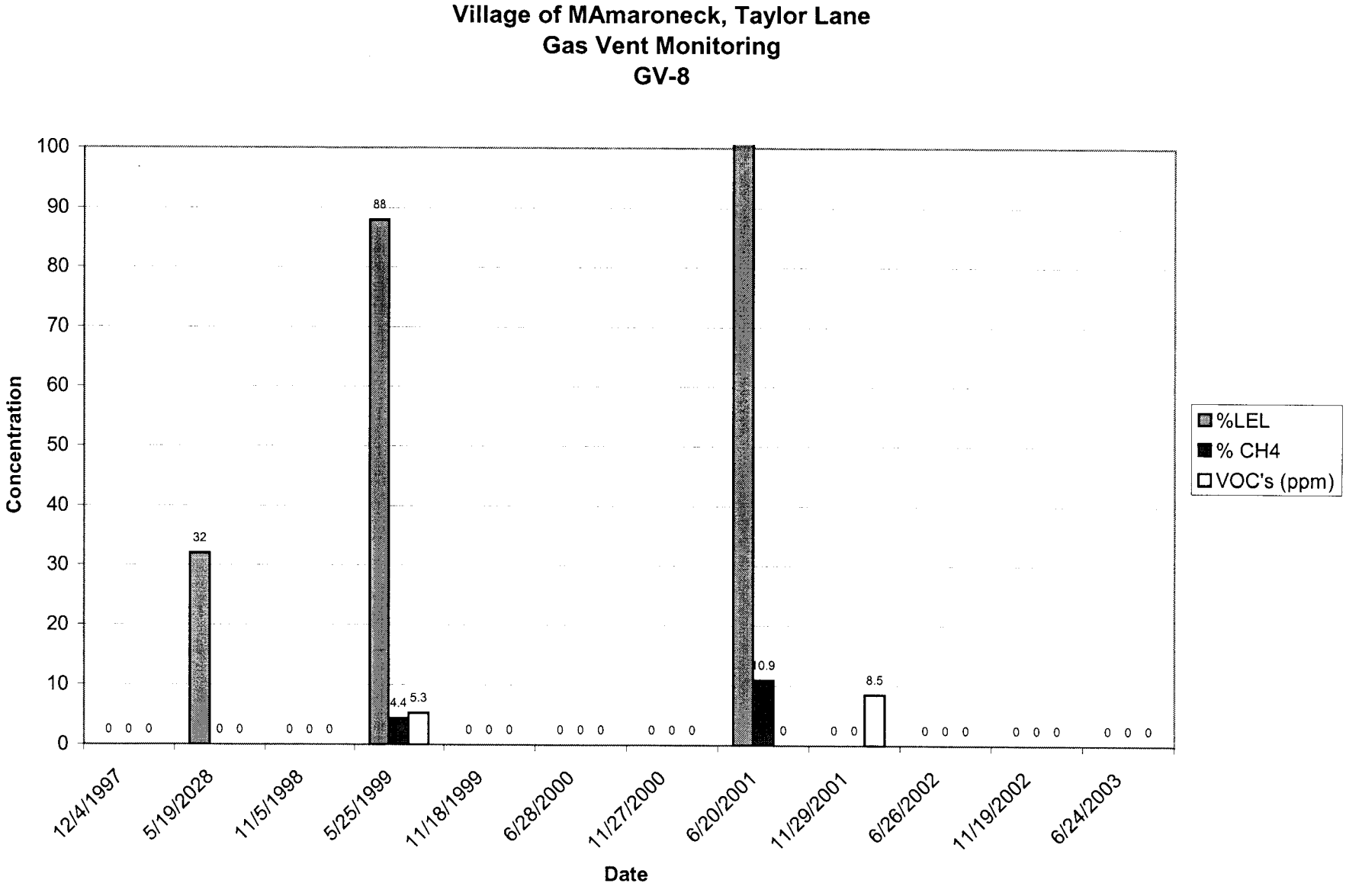


Village of Mamaroneck, Taylor Lane
Landfill Gas Monitoring
GV-6



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
%LEL
% CH4
VOC's (ppm)
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
Date

Drawing