

Shaw Environmental & Infrastructure, Inc.

# HYDROGEOLOGIC EVALUATION TAYLOR'S LANE COMPOST SITE VILLAGE OF MAMARONECK, NEW YORK

Prepared for

Village of Mamaroneck 123 Mamaroneck Avenue Mamaroneck, New York 10543

January 2005

Prepared by

EMCON/OWT, Inc. 4 Commerce Drive South Harriman, New York 10926 845-492-3100

Project 791158

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#### 1 INTRODUCTION

The Taylor's Lane Compost Site is located in the Village of Mamaroneck, New York. The site was a former municipal dump from the 1950s to early 1970s. After that, the southern portion of the site was used to compost leaves and to dispose of tree trunks and wood chips. The northeastern corner of the site has been used as a stockyard for a local plant nursery. A Remedial Investigation/Feasibility Study was performed for the site (Malcolm Pirnie, 1992a). The Record of Decision (ROD) for the site ordered the primary remedy of a final cover. The closure of the Taylor's Lane Compost Site was completed in the Spring of 1997 with the completion of the final cover construction.

Activities at the site are governed by the post-closure operations and maintenance procedures in the Post-Closure Operation and Maintenance Plan (O&M Plan). These activities include the quarterly sampling and analysis of three shallow/deep monitoring well couplets downgradient of the facility along Taylor Lane.

Earlier this year the Weinstein residence adjacent to the site notified the Village that groundwater seeping into the basement contained what appeared to be iron staining. The concern was that the staining suggested that landfill waste water from the site was discharging into the basement. The Markowitz residence reported increased water seepage and a problem with the discharge pipe connection from the sump pump. The purpose of this investigation was to collect groundwater elevation and water quality data from the site and surrounding area to determine if the site is the source of the staining observed in the water discharging into the basements.

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#### 2 FIELD PROGRAM

#### 2.1 Groundwater Flow Evaluation

The groundwater flow evaluation involved using historical and recently obtained groundwater elevation data to determine shallow groundwater flow directions in the area

On August 24, 2004, a complete round of water level readings was taken from the remaining monitoring wells on the site. The water level elevations are shown on Table 2-1. A shallow groundwater contour map was prepared using this data and is shown on Drawing 1.

This is consistent with a water table map prepared as part of the remedial investigation conducted on the site in the early 1990s. The shallow groundwater flow direction was indicated to be from the northeast to the southwest (Malcolm Pirnie, 1992a). Other shallow groundwater contour maps prepared for that investigation (Malcolm Pirnie, 1992b) show the same results.

It should also be noted that precipitation over this summer has been one of the highest historically on record. This would result in a higher water table and lead to the unusually high seepage in basements and along Taylor's Lane. When precipitation and water levels return to more normal levels, seepage at the locations should decrease or return to more normal levels.

An additional issue related to the high water levels pertains to the downgradient monitoring wells (MW-94-1S, MW-94-1D, MW-94-2S, MW-94-2D, MW-94-3S, MW-94-3D, Drawing 1). These wells are located in Taylor Lane and therefore are flush mount installations with manhole type covers. Because of the high water levels, groundwater is frequently flowing out of the wells onto Taylor Lane, which in winter is a potential hazard due to the water freezing and creating icy conditions.

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#### 2.2 Water Quality Sampling and Analysis

To provide water quality data for this investigation, shallow groundwater samples were taken from several locations at the site and surrounding area. On-site, shallow groundwater samples were taken at shallow upgradient monitoring well MW-9S screened in the overburden soils, shallow monitoring well MW-14S screened in the fill, and shallow downgradient monitoring wells MW-2S and MW-3S screened in the overburden soils. Off-site, shallow groundwater samples were taken from the storm sewer draining the shallow groundwater interceptor trench (see Drawing 1) which was installed one or two feet below the ground surface between the site and adjacent properties to the east. This interceptor trench consisting of perforated pipe was installed during landfill closure of the site to lower the water table in the area so that water would not pond on the ground surface. The other off-site shallow groundwater samples taken were from groundwater seeping into basements of adjacent landowners to the east of the site (see Weinstein and Markowitz residences on Drawing 1).

The shallow groundwater samples were tested for the New York State Department of Environmental Conservation (NYSDEC) Part 360 Leachate Indicator Parameters from the Routine Analysis List as well as the volatile organics list (Method 524.2). Given the historical groundwater sampling results from this facility, these parameters would provide the best results for evaluating potential impacts.

The results of the shallow groundwater sampling and analysis are provided in Appendices A and B. In Appendix A the results are tabulated and compared to the NYSDEC GA Water Quality Standards. The instances where the result exceeded the State standard are shown by a bold number in the results column.

#### 2.3 NYSDEC Report

The NYSDEC also conducted an investigation at the site, at locations downgradient of the site, and at the surrounding residences (Appendix D). They sampled iron flocculate (precipitate) samples in downgradient and residential locations and noted at some locations, elevated concentrations of arsenic. They attributed the iron flocculate and elevated arsenic results to the adjacent landfill. They also concluded that the sampling locations were not likely being impacted by concentrated or high strength leachate.

#### 3.1 Groundwater Flow Evaluation

Based on the shallow groundwater flow contours, the Markowitz and Weinstein residences are crossgradient of the site, not downgradient. A crossgradient location would not result in groundwater flow from the Village facility to the residences, and the groundwater in the residential areas would not be impacted by the Village facility. This is especially evident for the Weinstein residence, where only a very small portion of the Village site could supply groundwater flow to the house, even if current groundwater flow patterns were shifted more to the east (Drawing 1). However, there are two scenarios that would provide a mechanism for flow from the Village facility to the Markowitz and Weinstein residences given the current groundwater flow data. The first is that pumping water out of the basements is creating a localized cone of depression around the house(s) causing groundwater to flow from the Village site toward the residences. The second is that there is shallow groundwater flow toward the residences. However, further investigation including additional water level measuring locations between the facility and the residences would need to be conducted to investigate this possibility.

To address the problem with the downgradient monitoring wells in Taylor Lane, it is proposed that the existing wells be abandoned and that replacement wells be installed north of Taylor Lane. Currently the well spacing for the couplets is less than 200 feet. Under normal conditions, a 500 foot spacing is allowed under current NYSDEC Part 360 regulations. Given that analytical results from the three locations are not extremely variable, and that the geologic environment in that area is also not that variable, it is proposed that the existing monitoring wells be replaced by two couplets at approximately the two locations shown on Drawing 1.

#### 3.2 Water Quality Sampling and Analysis

To aid in the interpretation of the analytical results, Stiff diagrams were constructed for each sampling location (Appendix C). The Stiff plotting technique uses four parallel horizontal axes extending on each side of a vertical zero axis. Concentrations of four parameters (anions) are plotted to the right of the zero line and the concentrations of four parameters (cations) are plotted to the left of the zero line. The resulting points are

connected to give an irregular polygonal shape or pattern. The Stiff patterns can be a relatively distinctive method of showing water composition differences and similarities.

Review of the water quality results for the monitoring well screened in the fill (MW-14S) and the downgradient wells (MW-2S, MW-3S) (Appendix A) are what would be expected. As a group, the State standard exceedances in total dissolved solids and various metals could be interpreted as impact from the facility. An occasional volatile detection is also consistent with past results. The Stiff diagrams for the downgradient wells (Appendix C) are more similar to the Stiff diagram for the fill well (MW-14S) than the upgradient well (MW-9S) suggesting some influence from the on-site fill.

The results from the interceptor pipe sample shows State standard exceedances in three of the parameters exceeded in the fill and downgradient wells, and therefore could be intercepting groundwater from the facility. The Stiff diagram for the interceptor pipe (Appendix C) is more similar to the Stiff diagram for the fill well (MW-14S) than the upgradient well (MW-9S) suggesting some influence from the on-site fill.

The sample from the Markowitz residence exceeds the State standards for total dissolved solids and sodium. These parameters by themselves are not good indicators of impact from the adjacent site, given that road salting or influx of saline water by tidal fluctuations are also possible mechanisms that would result in these types of results. Impact from the adjacent site would more likely result in the exceedance of more of the parameters discussed above in addition to sodium and TDS. However, the Stiff diagram for the Markowitz residence is similar in shape to the Stiff diagram for the interceptor trench, and to a certain extent to the fill well (MW-14S). Therefore, the water obtained from the basement of the Markowitz residence may be influenced to some extent by the adjacent site.

Like the interceptor pipe sample, the Weinstein residence sample exceeds three of the parameters that were also were exceeded in the fill and downgradient samples, and arsenic which was not exceeded in the fill and downgradient samples. The Stiff diagram for the Weinstein residence is similar in shape to the Stiff diagrams for the downgradient well MW-3S and the interceptor trench. In addition, total organic carbon is elevated in the basement water. This suggests that it is possible that the groundwater from the Weinstein residence basement is impacted from the adjacent site.

However, there are observations that complicate the conclusions reached by the discussion of the interceptor pipe and Markowitz/Weinstein residences results discussed above. The first is that the upgradient sample (MW-9S) also exceeds many of the parameters exceeded by the fill, downgradient, interceptor pipe, and Markowitz/Weinstein samples. One of the purposes of an upgradient sample is to provide an indication of whether an outside influence upgradient of the facility is impacting water quality on the site. The results for this upgradient sample indicate that

an off-site source may also be influencing water quality in this area. For example, with the high iron concentrations at the upgradient location (MW-9S), the iron water quality exceedances at the other sampling locations cannot be definitely attributed to the Village site at this time. The high iron could be a characteristic of groundwater flowing onto the site from an upgradient location.

However, the report (Malcolm Pirnie, 1992a) of a thin layer of fill (2 inches) in the area of the upgradient well further complicates the interpretation of the upgradient well groundwater quality results. Although it is believed that the 2 inches of fill was clean fill, if it was not, the fill layer may be impacting groundwater at this location and MW-9S would not truely be an upgradient well.

#### 3.3 NYSDEC Report

The NYSDEC report (Appendix D) documented an investigation performed at the site that entailed the sampling of water, sediments and soils. The results of the study indicated elevated levels of arsenic in an iron flocculate (precipitate) found in seeps and streams in the vicinity of the landfill. The NYSDEC investigation is acknowledged, but there is not concurrence with the conclusions in this report at this time. The presence of iron seeps and elevated arsenic does not necessarily indicate an impact from the landfill.

The Department indicates that the presence of iron flocculate is characteristic of leachate discharge zones downgradient of landfills. It is important to note that the presence of iron flocculate is often observed in natural environments that are not impacted by any known sources of contamination and further, that elevated metals, including arsenic, can accumulate in these materials. This is because naturally occurring organic matter can create reducing conditions which solubilize iron and other metals which are natural components of soils. Upon re-oxidation, the iron precipitates creating a flocculate with concurrent accumulation of naturally occurring arsenic and other metals into the precipitate.

The area of the Mamaroneck landfill is characterized by wetlands and potentially reducing environments that could, in effect create the conditions that promote solubilization and re-oxidation of iron, and accumulation of arsenic and other metals in the iron precipitate. Accordingly, subsequent investigations should be performed to characterize iron flocculate deposits and sediments in areas where there is no potential for impacts from the landfill.

#### **4 CONCLUSIONS AND RECOMMENDATIONS**

#### 4.1 Conclusions

In response to concerns about staining in groundwater seeping into the basement of an adjacent landowner and other water related problems at the residences, a hydrogeologic investigation was conducted to determine if the Village of Mamaroneck's Taylor Lane Compost Site was the source of the stained water. The investigation consisted of evaluation of groundwater flow directions and on-site and off-site groundwater quality. The shallow groundwater samples obtained from the fill within the Village facility and downgradient of the facility indicated State standard exceedances of several parameters, suggesting impact from the facility. A groundwater interceptor pipe located between the Village facility and adjacent residences had shallow groundwater samples that exceeded the State standards for several parameters that were exceeded in the fill and downgradient wells, and had a Stiff diagram pattern similar to the pattern for the fill well. Shallow groundwater samples taken from residences adjacent to the Village site exceeded the State standards for some of the parameters that were exceeded in the sample taken from the Village facility. Stiff diagrams produced for the residential sampling locations suggest a relationship between the groundwater at the Village site and the residences. Additionally, the NYSDEC believes that iron flocculate samples with high arsenic taken at downgradient and residential locations are attributable to the landfill. Therefore, it is possible that the Village site is impacting groundwater quality at the residences.

However, the upgradient monitoring well groundwater samples exceeded most of the State standards for parameters also exceeded in the on-site and off-site monitoring wells, suggesting that either a source other than the Village facility may be the source of the groundwater quality problems observed in the residences or that the upgradient monitoring well is not truly upgradient from site impacts. A report of a thin layer of fill in the area of the upgradient well further complicates the interpretation of the upgradient well groundwater quality results suggesting that the well may not truly be upgradient, but more data from sources further upgradient from the site is necessary to draw any conclusive opinion relative to this hypothesis. Regarding the results of the NYSDEC study, the presence of iron flocculate is often observed in natural environments that are not impacted by any known sources of contamination and further, that elevated metals, including arsenic, can accumulate in these materials. Shallow groundwater flow directions also did not indicate flow from the Village facility to the residences. However,

groundwater flow data in the area between the Village facility and the residences are not available, so localized shallow groundwater flow in this area is not known. Therefore, based on current available data and sampling locations it can not be determined conclusively whether or not that the Village facility is the source of the groundwater problems at the nearby residences.

#### 4.2 Recommendations

To determine if the Village facility is the sole source of the groundwater quality problems in the nearby residential areas the following actions are recommended:

- 1. Install piezometer couplets between the Village facility and the residences to determine if the local horizontal and vertical groundwater flow directions are toward the residences.
- 2. Obtain a shallow groundwater sample(s) from off-site locations definitely known to be upgradient of the Village facility and compare the results with the existing water quality data to determine potential off-site impacts.
- 3. Take samples of iron flocculate at nearby wetland locations, not downgradient of the facility, to determine arsenic concentrations for comparison with site and downgradient results.
- 4. Prepare a supplemental report providing the results of the recommendations discussed above and conclusions reached from the data that is obtained.

Additionally, it is recommended that the current downgradient monitoring wells located in Taylor Lane be abandoned, and replaced by monitoring wells located north of Taylor Lane.

#### REFERENCES

Malcolm Pirnie, 1992a, Mamaroneck Taylor Lane Leaf Compost Site Remedial Investigation, June 1992.

Malcolm Pirnie, 1992b, Mamaroneck Taylor Lane Leaf Compost Site Final Supplemental Remedial Investigation, September 1992.

#### **TABLES**

Table 2-1`
Taylor Lane Compost Site
Monitoring Well Water Levels
August 24, 2004

Well ID	Well Size (inches)	Water Level from Top of PVC (feet)	Water Level from Top of Casing (feet)	Elevation of Water in Well (feet)	Notes
MW-9D	4	11.54	12.30	20.56	
MW-9S	2	9.86	10.02	22.96	
MW-14S	2	3.23	3.17	14.02	PVC above casing by 0.06'
MW-14D	2	2.09	2.48	14.85	
MW-15D	2	3.35	3.90	15.39	
94-1D	2	1.13	Not Applicable	17.37	Utilizing a 2 foot standpipe
94-1S	2	1.62	Not Applicable	16.88	Utilizing a 2 foot standpipe
94-2D	2	1.35	Not Applicable	14.70	Utilizing a 2 foot standpipe
94-28	2	1.63	Not Applicable	14.42	Utilizing a 2 foot standpipe
94-3D	2	1.39	Not Applicable	13.86	Utilizing a 2 foot standpipe
94-3S	2	1.96	Not Applicable	13.86	Utilizing a 2 foot standpipe

### APPENDIX A GROUNDWATER QUALTITY ANALYSIS RESULTS

#### Taylor's Lane Compost Site Inorganic Analysis MW-3S (Downgradient) September 24, 2004

The state of the s	PQL	GWQS	Results
Compound	mg/L	mg/L	mg/L
AMMONIA .	0.05	2	0.05U
BOD-5	2	NA	2U
BROMIDE	0.1	NA	1U
CHEMICAL OXYGEN DEMAND	5	NA	12.5
CHLORIDE	0.2	250	184
NITRATE NITROGEN	0.05	10	0.563
SULFATE	0.2	250	49.1
TOTAL ALKALINITY	2	NA	192
TOTAL DISSOLVED SOLIDS	10	200	530
TOTAL HARDNESS	2	NA	325
TOTAL KJELDAHL NITROGEN	0.2	NA	0.264
TOTAL ORGANIC CARBON	1	NA	2.5
TOTAL ORGANIC CARBON	1	NA	2.12
TOTAL ORGANIC CARBON	1	NA	2.11
TOTAL ORGANIC CARBON	1	NA	2.15
TOTAL PHENOLICS	0.005	0.001	0.005U
ARSENIC	0.01	0.025	0.01Ų
CADMIUM	0.005	0.005	0.005U
CALCIUM	0.5	NA	52.2
COPPER	0.02	0.2	0.0268
IRON	0.1	0.3	70
LEAD	0.005	0.025	0.0125
MAGNESIUM	0.5	35	51.1
MANGANESE	0.01	0.3	0.294
MERCURY	0.0003	0.0007	0.0003U
POTASSIUM	2	NA	5.87
SODIUM	0.5	20	68.4
ZINC	0.02	NA	0.0341

#### Taylor's Lane Compost Site Volatile Organics Analysis MW-2S (Downgradinet) September 23, 2004

	PQL	GWQS	Results
- Compound	mg/L	mg/L	mg/L
BENZENE	0.0005	0.001	0.0005U
BROMOBENZENE	0.0005	0.001	0.0005U
BROMOCHLOROMETHANE	0.0005	0.005	0.0005U
BROMODICHLOROMETHANE	0.0005	0.003	0.0005U
BROMOFORM	0.0005		0.0005U
BROMOMETHANE	0.0005	0.005	0.0005U
TERT-BUTYL ALCOHOL	0.02	0.005	0.18
METHYL-TERT-BUTYL ETHER	0.0005	0.00	0.36
TERT-BUTYLBENZENE	0.0005	0.005	0.0005U
SEC-BUTYLBENZENE	0.0005	0.005	0.0005U
N-BUTYLBENZENE	0.0005	0.005	0.0005U
CARBON TETRACHLORIDE	0.0005	0.005	0.0005U
CHLOROBENZENE	0.0005	0.005	0.0005U
CHLOROETHANE	0.0005	0.005	0.0005U
CHLOROFORM	0.0005	0.007	0.0005U
CHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMO-3-CHLOROPROPANE	0.0005	0.00004	0.0005U
2-CHLOROTOLUENE	0.0005	0.005	0.0005U
4-CHLOROTOLUENE	0.0005	0.005	0.0005U
DIBROMOCHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMOETHANE	0.0005		0.0005U
DIBROMOMETHANE	0.0005	0.005	0.0005U
1,2-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,4-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,3-DICHLOROBENZENE	0.0005	0.003	0.0005U
DICHLORODIFLUOROMETHANE	0.0005	0.005	0.0005U
1,1-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,2-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,1-DICHLOROETHENE	0.0005	0.005	0.0005U
TRANS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
CIS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
2,2-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,2-DICHLOROPROPANE	0.0005	0.001	0.0005U
1,3-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,1-DICHLOROPROPENE	0.0005	0.005	0.0005U
TRANS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
CIS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
ETHYLBENZENE	0.0005	0.005	0.0005U
HEXACHLOROBUTADIENE	0.0005	0.0005	0.0005U

#### Taylor's Lane Compost Site Volatile Organics Analysis MW-2S (Downgradinet) September 23, 2004

	PQL	GWQS	Results *
Compound	mg/L	mg/L	mg/L
ISOPROPYLBENZENE	0.0005	0.005	0.0005U
P-ISOPROPYLTOLUENE	0.0005	0.005	0.0005U
METHYLENE CHLORIDE	0.0005	0.005	0.0005U
NAPHTHALENE	0.0005		0.0005U
N-PROPYLBENZENE	0.0005	0.005	0.0005U
STYRENE	0.0005	0.005	0.0005U
1,1,1,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
1,1,2,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
TETRACHLOROETHENE	0.0005	0.005	0.0005U
TOLUENE	0.0005	0.005	0.0005U
1,2,4-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,1,1-TRICHLOROETHANE	0.0005	0.005	0.0005U
1,1,2-TRICHLOROETHANE	0.0005	0.001	0.0005U
TRICHLOROETHENE	0.0005	0.005	0.0005U
TRICHLOROFLUOROMETHANE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROPROPANE	0.0005	0.00004	0.0005U
1,3,5-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
1,2,4-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
VINYL CHLORIDE	0.0005	0.002	0.00059
M+P-XYLENE	0.0005	0.005	0.0005U
O-XYLENE	0.0005	0.005	0.0005U

U = Analyte analyzed for but not detected

E = Concentrations exceeded laboratory equipment calibration

#### Taylor's Lane Compost Site Inorganic Analysis MW-14S (Fill) September 23, 2004

	PQL	GWQS	Résults
Compound	mg/L	mg/L	mg/L
AMMONIA	0.05	2	2.55
BOD-5	2	NA	27.2
BROMIDE	0.1	NA	1U
CHEMICAL OXYGEN DEMAND	5	NA	150
CHLORIDE	0.2	250	139
NITRATE NITROGEN	0.05	10	0.5U
SULFATE	0.2	250	2U
TOTAL ALKALINITY	2	NA	345
TOTAL DISSOLVED SOLIDS	10	200	564
TOTAL HARDNESS	2	. NA	389
TOTAL KJELDAHL NITROGEN	0.2	NA	4.35
TOTAL ORGANIC CARBON	1	NA	9.8
TOTAL ORGANIC CARBON	1	NA	10.1
TOTAL ORGANIC CARBON	1	NA	10.7
TOTAL ORGANIC CARBON	1	NA	10.2
TOTAL PHENOLICS	0.005	0.001	0.005U
ARSENIC	0.01	0.025	0.01U
CADMIUM	0.005	0.005	0.005U
CALCIUM	0.5	NA	92.8
COPPER	0.02	0.2	0.0731
IRON	0.1	0.3	27
LEAD	0.005	0.025	0.376
MAGNESIUM	0.5	35	32.6
MANGANESE	0.01	0.3	0.332
MERCURY	0.0003	0.0007	0.0003U
POTASSIUM	2	NA	19
SODIUM	0.5	20	56.4
ZINC	0.02	NA	0.176

#### Taylor's Lane Compost Site Volatile Organics Analysis MW-14S (Fill) September 23, 2004

	PQL	GWQS	l a Grandina
Compound	mg/L	mg/L	Results mg/L
BENZENE	0.0005	0.001	0.0005U
BROMOBENZENE	0.0005	0.001	0.0005U
BROMOCHLOROMETHANE	0.0005	0.005	0.0005U
BROMODICHLOROMETHANE	0.0005	0.000	0.0005U
BROMOFORM	0.0005		0.0005U
BROMOMETHANE	0.0005	0.005	0.0005U
TERT-BUTYL ALCOHOL	0.000	0.005	0.00030
METHYL-TERT-BUTYL ETHER	0.0005	0.003	0.042
TERT-BUTYLBENZENE	0.0005	0.005	0.0005U
SEC-BUTYLBENZENE	0.0005	0.005	0.0005U
N-BUTYLBENZENE	0.0005	0.005	0.0005U
CARBON TETRACHLORIDE	0.0005	0.005	0.0005U
CHLOROBENZENE	0.0005	0.005	0.0005U
CHLOROETHANE	0.0005	0.005	0.0005U
CHLOROFORM	0.0005	0.007	0.0005U
CHLOROMETHANE	0.0005	0.007	0.0005U
1,2-DIBROMO-3-CHLOROPROPANE	0.0005	0.00004	0.0005U
2-CHLOROTOLUENE	0.0005	0.005	0.0005U
4-CHLOROTOLUENE	0.0005	0.005	0.0005U
DIBROMOCHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMOETHANE	0.0005		0.0005U
DIBROMOMETHANE	0.0005	0.005	0.0005U
1,2-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,4-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,3-DICHLOROBENZENE	0.0005	0.003	0.0005U
DICHLORODIFLUOROMETHANE	0.0005	0.005	0.0005U
1,1-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,2-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,1-DICHLOROETHENE	0.0005	0.005	0.0005U
TRANS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
CIS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
2,2-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,2-DICHLOROPROPANE	0.0005	0.001	0.0005U
1,3-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,1-DICHLOROPROPENE	0.0005	0.005	0.0005U
TRANS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
CIS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
ETHYLBENZENE	0.0005	0.005	0.0005U
HEXACHLOROBUTADIENE	0.0005	0.0005	0.0005U

#### Taylor's Lane Compost Site Volatile Organics Analysis MW-14S (Fill) **September 23, 2004**

	PQL	GWQS	Results
Compound :	mg/L	mg/L	mg/L
ISOPROPYLBENZENE	0.0005	0.005	0.0005U
P-ISOPROPYLTOLUENE	0.0005	0.005	0.0005U
METHYLENE CHLORIDE	0.0005	0.005	0.0005U
NAPHTHALENE	0.0005		0.0005U
N-PROPYLBENZENE	0.0005	0.005	0.0005U
STYRENE	0.0005	0.005	0.0005U
1,1,1,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
1,1,2,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
TETRACHLOROETHENE	0.0005	0.005	0.0005U
TOLUENE	0.0005	0.005	0.0005U
1,2,4-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,1,1-TRICHLOROETHANE	0.0005	0.005	0.0005U
1,1,2-TRICHLOROETHANE	0.0005	0.001	0.0005U
TRICHLOROETHENE	0.0005	0.005	0.0005U
TRICHLOROFLUOROMETHANE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROPROPANE	0.0005	0.00004	0.0005U
1,3,5-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
1,2,4-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
VINYL CHLORIDE	0.0005	0.002	0.0005U
M+P-XYLENE	0.0005	0.005	0.0005U
O-XYLENE	0.0005	0.005	0.0005U

U = Analyte analyzed for but not detected E = Concentrations exceeded laboratory equipment calibration

#### Taylor's Lane Compost Site Inorganic Analysis MW-9S (Upgradient) September 23, 2004

The property of the second second	PQL	- GWQS	Results
Compound	mg/L	mg/L	mg/L
AMMONIA	0.05	2	0.05U
BOD-5	2	NA	2U
BROMIDE	0.1	NA	1U
CHEMICAL OXYGEN DEMAND	5	NA	5U
CHLORIDE	0.2	250	32.4
NITRATE NITROGEN	0.05	10	0.912
SULFATE	0.2	250	16.7
TOTAL ALKALINITY	2	NA	46
TOTAL DISSOLVED SOLIDS	10	200	141
TOTAL HARDNESS	2	NA	51.2
TOTAL KJELDAHL NITROGEN	0.2	NA	0.71
TOTAL ORGANIC CARBON	1	NA	2.28
TOTAL ORGANIC CARBON	1	NA	2.36
TOTAL ORGANIC CARBON	1	NA	2.36
TOTAL ORGANIC CARBON	1	NA	2.3
TOTAL PHENOLICS	0.005	0.001	0.005U
ARSENIC	0.01	0.025	0.2U
CADMIUM	0.005	0.005	0.0138
CALCIUM	0.5	NA	16
COPPER	0.02	0.2	0.578
IRON	0.1	0.3	382
LEAD	0.005	0.025	0.065
MAGNESIUM	0.5	35	25.8
MANGANESE	0.01	0.3	3.05
MERCURY	0.0003	0.0007	0.0003U
POTASSIUM	2	NA	16.4
SODIUM	0.5	20	35.7
ZINC	0.02	NA	0.112

#### Taylor's Lane Compost Site Volatile Organics Analysis MW-9S (Upgradient) September 23, 2004

k			
	PQL	GWQS	Results
Compound	mg/L	mg/L	mg/L
BENZENE	0.0005	0.001	0.0005U
BROMOBENZENE	0.0005	0.005	0.0005U
BROMOCHLOROMETHANE	0.0005	0.005	0.0005U
BROMODICHLOROMETHANE	0.0005		0.0005U
BROMOFORM	0.0005		0.0005U
BROMOMETHANE	0.0005	0.005	0.0005U
TERT-BUTYL ALCOHOL	0.02	0.005	0.02U
METHYL-TERT-BUTYL ETHER	0.0005	0.01	0.0005U
TERT-BUTYLBENZENE	0.0005	0.005	0.0005U
SEC-BUTYLBENZENE	0.0005	0.005	0.0005U
N-BUTYLBENZENE	0.0005	0.005	0.0005U
CARBON TETRACHLORIDE	0.0005	0.005	0.0005U
CHLOROBENZENE	0.0005	0.005	0.0005U
CHLOROETHANE	0.0005	0.005	0.0005U
CHLOROFORM	0.0005	0.007	0.023
CHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMO-3-CHLOROPROPANE	0.0005	0.00004	0.0005U
2-CHLOROTOLUENE	0.0005	0.005	0.0005U
4-CHLOROTOLUENE	0.0005	0.005	0.0005U
DIBROMOCHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMOETHANE	0.0005		0.0005U
DIBROMOMETHANE	0.0005	0.005	0.0005U
1,2-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,4-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,3-DICHLOROBENZENE	0.0005	0.003	0.0005U
DICHLORODIFLUOROMETHANE	0.0005	0.005	0.0005U
1,1-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,2-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,1-DICHLOROETHENE	0.0005	0.005	0.0005U
TRANS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
CIS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
2,2-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,2-DICHLOROPROPANE	0.0005	0.001	0.0005U
1,3-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,1-DICHLOROPROPENE	0.0005	0.005	0.0005U
TRANS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
CIS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
ETHYLBENZENE	0.0005	0.005	0.0005U
HEXACHLOROBUTADIENE	0.0005	0.0005	0.0005U
			0.00000

#### Taylor's Lane Compost Site Volatile Organics Analysis MW-9S (Upgradient) September 23, 2004

Compound	PQL mg/L	GWQS mg/L	Results mg/L
ISOPROPYLBENZENE	0.0005	0.005	0.0005U
P-ISOPROPYLTOLUENE	0.0005	0.005	0.0005U
METHYLENE CHLORIDE	0.0005	0.005	0.0005U
NAPHTHALENE	0.0005		0.0005U
N-PROPYLBENZENE	0.0005	0.005	0.0005U
STYRENE	0.0005	0.005	0.0005U
1,1,1,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
1,1,2,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
TETRACHLOROETHENE	0.0005	0.005	0.0005U
TOLUENE	0.0005	0.005	0.0005U
1,2,4-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,1,1-TRICHLOROETHANE	0.0005	0.005	0.0005U
1,1,2-TRICHLOROETHANE	0.0005	0.001	0.0005U
TRICHLOROETHENE	0.0005	0.005	0.0005U
TRICHLOROFLUOROMETHANE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROPROPANE	0.0005	0.00004	0.0005U
1,3,5-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
1,2,4-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
VINYL CHLORIDE	0.0005	0.002	0.0005U
M+P-XYLENE	0.0005	0.005	0.0005U
O-XYLENE	0.0005	0.005	0.0005U

U = Analyte analyzed for but not detected

#### Taylor's Lane Compost Site Inorganic Analysis Sampling Location: SS-1 (Interceptor Trench) September 23, 2004

	PQL	GWQS	Results
Compound	mg/L	mg/L	mg/L
AMMONIA	0.05	2	0.424
BOD-5	2	NA	2U
BROMIDE	0.1	NA	1U
CHEMICAL OXYGEN DEMAND	5	NA	82.8
CHLORIDE	0.2	250	139
NITRATE NITROGEN	0.05	10	1.05
SULFATE	0.2	250	15.2
TOTAL ALKALINITY	2	NA NA	220
TOTAL DISSOLVED SOLIDS	10	200	540
TOTAL HARDNESS	2	NA	309
TOTAL KJELDAHL NITROGEN	0.2	NA	3.67
TOTAL ORGANIC CARBON	1	NA	10.4
TOTAL ORGANIC CARBON	1	NA	10.7
TOTAL ORGANIC CARBON	1	NA	10.8
TOTAL ORGANIC CARBON	1	NA	11.4
TOTAL PHENOLICS	0.005	0.001	0.005U
ARSENIC	0.01	0.025	0.01U
CADMIUM	0.005	0.005	0.005U
CALCIUM	0.5	NA	89.2
COPPER	0.02	0.2	0.02U
IRON	0.1	0.3	10.3
LEAD	0.005	0.025	0.005U
MAGNESIUM	0.5	35	30.1
MANGANESE	0.01	0.3	1.64
MERCURY	0.0003	0.0007	0.0003U
POTASSIUM	2	NA	7.79
SODIUM	0.5	20	63.4
ZINC	0.02	NA	0.02U

### Taylor's Lane Compost Site Volatile Organics Analysis Sampling Location: SS-1 (Interceptor Trench) September 23, 2004

	PQL	GWQS	I Books
Compound	mg/L	mg/L	Results mg/L
BENZENE	0.0005	0.001	0.0005U
BROMOBENZENE	0.0005	0.005	0.0005U
BROMOCHLOROMETHANE	0.0005	0.005	0.0005U
BROMODICHLOROMETHANE	0.0005	0.000	0.0005U
BROMOFORM	0.0005	1	0.0005U
BROMOMETHANE	0.0005	0.005	0.0005U
TERT-BUTYL ALCOHOL	0.02	0.005	0.052
METHYL-TERT-BUTYL ETHER	0.0005	0.01	0.015
TERT-BUTYLBENZENE	0.0005	0.005	0.0005U
SEC-BUTYLBENZENE	0.0005	0.005	0.0005U
N-BUTYLBENZENE	0.0005	0.005	0.0005U
CARBON TETRACHLORIDE	0.0005	0.005	0.0005U
CHLOROBENZENE	0.0005	0.005	0.0005U
CHLOROETHANE	0.0005	0.005	0.0005U
CHLOROFORM	0.0005	0.007	0.0005U
CHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMO-3-CHLOROPROPANE	0.0005	0.00004	0.0005U
2-CHLOROTOLUENE	0.0005	0.005	0.0005U
4-CHLOROTOLUENE	0.0005	0.005	0.0005U
DIBROMOCHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMOETHANE	0.0005		0.0005U
DIBROMOMETHANE	0.0005	0.005	0.0005U
1,2-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,4-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,3-DICHLOROBENZENE	0.0005	0.003	0.0005U
DICHLORODIFLUOROMETHANE	0.0005	0.005	0.0005U
1,1-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,2-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,1-DICHLOROETHENE	0.0005	0.005	0.0005U
TRANS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
CIS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
2,2-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,2-DICHLOROPROPANE	0.0005	0.001	0.0005U
1,3-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,1-DICHLOROPROPENE	0.0005	0.005	0.0005U
TRANS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
CIS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
ETHYLBENZENE	0.0005	0.005	0.0005U
HEXACHLOROBUTADIENE	0.0005	0.0005	0.0005U

## Taylor's Lane Compost Site Volatile Organics Analysis Sampling Location: SS-1 (Interceptor Trench) September 23, 2004

10 (10 pt 10	PQL	GWQS	Results
Compound	mg/L	mg/L	mg/L
ISOPROPYLBENZENE	0.0005	0.005	0.0005U
P-ISOPROPYLTOLUENE	0.0005	0.005	0.0005U
METHYLENE CHLORIDE	0.0005	0.005	0.0005U
NAPHTHALENE	0.0005		0.0005U
N-PROPYLBENZENE	0.0005	0.005	0.0005U
STYRENE	0.0005	0.005	0.0005U
1,1,1,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
1,1,2,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
TETRACHLOROETHENE	0.0005	0.005	0.0005U
TOLUENE	0.0005	0.005	0.0005U
1,2,4-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,1,1-TRICHLOROETHANE	0.0005	0.005	0.0005U
1,1,2-TRICHLOROETHANE	0.0005	0.001	0.0005U
TRICHLOROETHENE	0.0005	0.005	0.0005U
TRICHLOROFLUOROMETHANE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROPROPANE	0.0005	0.00004	0.0005U
1,3,5-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
1,2,4-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
VINYL CHLORIDE	0.0005	0.002	0.0005U
M+P-XYLENE	0.0005	0.005	0.0005U
O-XYLENE	0.0005	0.005	0.0005U

U = Analyte analyzed for but not detected

#### Taylor's Lane Compost Site Inorganic Analysis Sample Location: BWH (Weinstein Residence) September 23, 2004

	PQL	GWQS	Results
Compound	mg/L	mg/L	mg/L
AMMONIA	0.05	2	0.348
BOD-5	2	NA	4.14J
BROMIDE	0.1	NA	1U
CHEMICAL OXYGEN DEMAND	5	NA	88.6
CHLORIDE	0.2	250	113
NITRATE NITROGEN	0.05	10	0.5U
SULFATE	0.2	250	16.3
TOTAL ALKALINITY	2	NA	257
TOTAL DISSOLVED SOLIDS	10	200	482
TOTAL HARDNESS	2	NA	268
TOTAL KJELDAHL NITROGEN	0.2	NA	2.83
TOTAL ORGANIC CARBON	1	NA	63.4
TOTAL ORGANIC CARBON	1	NA	64.2
TOTAL ORGANIC CARBON	1	NA	67.4
TOTAL ORGANIC CARBON	1	NA	68.2
TOTAL PHENOLICS	0.005	0.001	0.005U
ARSENIC	0.01	0.025	0.0286
CADMIUM	0.005	0.005	0.005U
CALCIUM	0.5	NA	80.2
COPPER	0.02	0.2	0.0332
IRON	0.1	0.3	100
LEAD	0.005	0.025	0.021
MAGNESIUM	0.5	35	21.3
MANGANESE	0.01	0.3	2.58
MERCURY	0.0003	0.0007	0.0003U
POTASSIUM	2	NA	4.73
SODIUM	0.5	20	75.3
ZINC	0.02	NA	0.0867

J = Estimated Value

### Taylor's Lane Compost Site Volatile Organics Analysis Sample Location: BWH (Weinstein Residence) September 23, 2004

	PQL	GWQS	
Compound	mg/L		Results
BENZENE	0.0005	mg/L	mg/L
BROMOBENZENE	0.0005	0.001	0.0005U
BROMOCHLOROMETHANE	0.0005	0.005	0.0005U
BROMODICHLOROMETHANE	0.0005	0.005	0.0005U
BROMOFORM	0.0005		0.0005U
BROMOMETHANE		0.005	0.0005U
TERT-BUTYL ALCOHOL	0.0005	0.005	0.0005U
METHYL-TERT-BUTYL ETHER	0.02	0.005	0.02U
TERT-BUTYLBENZENE	0.0005	0.01	0.0024
SEC-BUTYLBENZENE	0.0005	0.005	0.0005U
N-BUTYLBENZENE	0.0005	0.005	0.0005U
CARBON TETRACHLORIDE	0.0005	0.005	0.0005U
CHLOROBENZENE	0.0005	0.005	0.0005U
CHLOROETHANE	0.0005	0.005	0.0005U
CHLOROFORM	0.0005	0.005	0.0005U
	0.0005	0.007	0.0005U
CHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMO-3-CHLOROPROPANE	0.0005	0.00004	0.0005U
2-CHLOROTOLUENE	0.0005	0.005	0.0005U
4-CHLOROTOLUENE	0.0005	0.005	0.0005U
DIBROMOCHLOROMETHANE	0.0005		0.0005U
1,2-DIBROMOETHANE	0.0005		0.0005U
DIBROMOMETHANE	0.0005	0.005	0.0005U
1,2-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,4-DICHLOROBENZENE	0.0005	0.003	0.0005U
1,3-DICHLOROBENZENE	0.0005	0.003	0.0005U
DICHLORODIFLUOROMETHANE	0.0005	0.005	0.0005U
1,1-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,2-DICHLOROETHANE	0.0005	0.0006	0.0005U
1,1-DICHLOROETHENE	0.0005	0.005	0.0005U
TRANS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
CIS-1,2-DICHLOROETHENE	0.0005	0.005	0.0005U
2,2-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,2-DICHLOROPROPANE	0.0005	0.001	0.0005U
1,3-DICHLOROPROPANE	0.0005	0.005	0.0005U
1,1-DICHLOROPROPENE	0.0005	0.005	0.0005U
TRANS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
CIS-1,3-DICHLOROPROPENE	0.0005	0.0004	0.0005U
ETHYLBENZENE	0.0005	0.005	0.0005U
HEXACHLOROBUTADIENE	0.0005	0.0005	0.0005U

### Taylor's Lane Compost Site Volatile Organics Analysis Sample Location: BWH (Weinstein Residence) September 23, 2004

	PQL	GWQS	Results
Compound	mg/L	mg/L	mg/L
ISOPROPYLBENZENE	0.0005	0.005	0.0005U
P-ISOPROPYLTOLUENE	0.0005	0.005	0.0005U
METHYLENE CHLORIDE	0.0005	0.005	0.0005U
NAPHTHALENE	0.0005	1	0.0005U
N-PROPYLBENZENE	0.0005	0.005	0.0005U
STYRENE	0.0005	0.005	0.0005U
1,1,1,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
1,1,2,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
TETRACHLOROETHENE	0.0005	0.005	0.0005U
TOLUENE	0.0005	0.005	0.0005U
1,2,4-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,1,1-TRICHLOROETHANE	0.0005	0.005	0.0005U
1,1,2-TRICHLOROETHANE	0.0005	0.001	0.0005U
TRICHLOROETHENE	0.0005	0.005	0.0005U
TRICHLOROFLUOROMETHANE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROPROPANE	0.0005	0.00004	0.0005U
1,3,5-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
1,2,4-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
VINYL CHLORIDE	0.0005	0.002	0.0005U
M+P-XYLENE	0.0005	0.005	0.0005U
O-XYLENE	0.0005	0.005	0.0005U

#### Taylor's Lane Compost Site Inorganic Analysis Sample Location: SMH (Markowitz Residence) September 23, 2004

	PQL	GWQS	Results
Compound	mg/L	mg/L	mg/L
AMMONIA	0.05	2	0.05U
BOD-5	2	NA	2U
BROMIDE	0.1	NA	1U
CHEMICAL OXYGEN DEMAND	5	NA	5U
CHLORIDE	0.2	250	90.9
NITRATE NITROGEN	0.05	10	5.26
SULFATE	0.2	250	39.3
TOTAL ALKALINITY	2	NA	154
TOTAL DISSOLVED SOLIDS	10	200	363
TOTAL HARDNESS	2	NA	244
TOTAL KJELDAHL NITROGEN	0.2	NA	0.4U
TOTAL ORGANIC CARBON	1	NA	1.37
TOTAL ORGANIC CARBON	1	NA	1.44
TOTAL ORGANIC CARBON	1	NA	1.45
TOTAL ORGANIC CARBON	1	NA	1.43
TOTAL PHENOLICS	0.005	0.001	0.005U
ARSENIC	0.01	0.025	0.01U
CADMIUM	0.005	0.005	0.005U
CALCIUM	0.5	NA	55.5
COPPER	0.02	0.2	0.02U
IRON	0.1	0.3	0.1U
LEAD	0.005	0.025	0.005U
MAGNESIUM	0.5	35	26.4
MANGANESE	0.01	0.3	0.0419
MERCURY	0.0003	0.0007	0.0003U
POTASSIUM	2	NA	2.91
SODIUM	0.5	20	34.2
ZINC	0.02	NA	0.02U

#### Mamaroneck

Volatile Organics Analysis
Sample Location: SMH (Markowitz Residence)
September 23, 2004 Sampling

DOL	LOWGE	I have
		Results
•		mg/L
		0.0005U
·		0.0005U
	0.005	0.0005U
<del>}</del>		0.0005U
		0.0005U
		0.0005U
		0.02U
		0.0005U
· · · · · · · · · · · · · · · · · · ·		0.0005U
		0.0005U
	0.005	0.0005U
	0.005	0.0005U
0.0005	0.005	0.0005U
0.0005	0.005	0.0005U
0.0005	0.007	0.0017
0.0005		0.0005U
0.0005	0.00004	0.0005U
0.0005	0.005	0.0005U
0.0005	0.005	0.0005U
0.0005		0.0005U
0.0005		0.0005U
0.0005	0.005	0.0005U
0.0005	0.003	0.0005U
0.0005	0.003	0.0005U
0.0005	0.003	0.0005U
0.0005	0.005	0.0005U
0.0005	0.0006	0.0005U
0.0005	0.0006	0.0005U
0.0005	0.005	0.0005U
0.0005		0.0005U
0.0005		0.0005U
		0.0005U
0.0005	0.0005	0.0005U
	0.0005 0.0005	mg/L         mg/L           0.0005         0.001           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.007           0.0005         0.007           0.0005         0.0005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.005           0.0005         0.003           0.0005         0.003           0.0005         0.0006           0.0005         0.0006           0.0005         0.0006           0.0005         0.0005           0.0005         0.0005           0.0005         0.0005

#### Mamaroneck

#### **Volatile Organics Analysis**

### Sample Location: SMH (Markowitz Residence) September 23, 2004 Sampling

Compound	PQL mg/L	GWQS mg/L	Results mg/L
ISOPROPYLBENZENE	0.0005	0.005	0.0005U
P-ISOPROPYLTOLUENE	0.0005	0.005	0.0005U
METHYLENE CHLORIDE	0.0005	0.005	0.0005U
NAPHTHALENE	0.0005		0.0005U
N-PROPYLBENZENE	0.0005	0.005	0.0005U
STYRENE	0.0005	0.005	0.0005U
1,1,1,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
1,1,2,2-TETRACHLOROETHANE	0.0005	0.005	0.0005U
TETRACHLOROETHENE	0.0005	0.005	0.0005U
TOLUENE	0.0005	0.005	0.0005U
1,2,4-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROBENZENE	0.0005	0.005	0.0005U
1,1,1-TRICHLOROETHANE	0.0005	0.005	0.0005U
1,1,2-TRICHLOROETHANE	0.0005	0.001	0.0005U
TRICHLOROETHENE	0.0005	0.005	0.0005U
TRICHLOROFLUOROMETHANE	0.0005	0.005	0.0005U
1,2,3-TRICHLOROPROPANE	0.0005	0.00004	0.0005U
1,3,5-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
1,2,4-TRIMETHYLBENZENE	0.0005	0.005	0.0005U
VINYL CHLORIDE	0.0005	0.002	0.0005U
M+P-XYLENE	0.0005	0.005	0.0005U
O-XYLENE	0.0005	0.005	0.0005U

### APPENDIX B ATAC YACTARORAL LABORATORY DATA SHEETS

A FULL SERVICE ENVIRONMENTAL LABORATORY

October 19, 2004

Mr. Brian Nichola Shaw/Emcon/OWT 4 Commerce Dr. So. Harriman, NY 10926

PROJECT:MAMARONECK Submission #:R2423097

Dear Mr. Michols

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 AMALYTICAL SERVICES

Mark Wilson

Client Service Manager

Euc.



: Spaw/Emcon/OWT

Lab Submission # : R2423097

to report submittal

Project Reference: MAMARONECK

broject Manager : Mark Wilson

#0/6T/OT :

Client

Reported

THIS IS AN ANALYTICAL TEST REPORT FOR:

Department/Laboratory Director to comply with NELAC standards prior This package has been reviewed by Columbia Analytical Services' QA

the laboratory. This report may not be reproduced except in full, The results reported herein relate only to the samples received by

without the approval of Columbia Analytical Services.

(282) 588-2380 BOCHERCEL, NY 14609

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#### CASE NARRATIVE

Company: Shaw E & S, Inc. Project: Mamaroneck Submission #: R2423097

Water samples were collected on 09/23/04 and received at CAS on 09/24/04 in good condition at cooler temperatures of 1 - 4  $^{\circ}$ C.

#### **INORGANIC ANALYSIS**

Six water samples were analyzed for a Part 360 routine list of Total Metals and other Inorganic and leachate indicators by approved EPA MCAWW and SW-846 methods. These samples were also analyzed for additional Total Metals.

All metals were analyzed by SW-846 ICP method 6010A.

The Inorganic and Leachate Indicators were analyzed using the following methods: Alkalinity by EPA method 310.1, Ammonia by EPA method 350.1, Bromide, Chloride, and Sulfate by EPA method 300.0, BOD5 by EPA method 405.1, COD by EPA method 410.4, Total Hardness by EPA method 130.2, TKN by EPA method 351.2, Total Phenol by SW-846 method 9066, and TDS by EPA method 160.1. The water samples were analyzed for Turbidity by EPA method 180.1, TOC by SW-846 method 9060, and Color by EPA method 110.2.

## Wet Chemistry Analyses:

All initial 5-point calibrations produced a correlation coefficient of at least 0.997.

A calibration including a blank and check standard were prepared with every batch of samples analyzed. All blank results were below the PQL. All check standards produced recoveries within the limits.

All Duplicate results and Matrix Spike Recoveries from sample MH32-604 and the Blank Spike recoveries were within established QC limits except the matrix spike recovery for Chloride which has been flagged with a "N".

No other analytical or QC problems were encountered.

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Company: Shaw E & S, Inc. Project: Mamaroneck Submission #: R2423097 Page 2

#### :<u>zezylenA zleteM</u>

All Initial and Continuing Instrument Calibration, CRDL standard, Initial and Continuing Calibration Blank, Preparation Blank, ICP Interference Check Sample, Matrix spike, Duplicate Sample, Instrument Detection Limit, Interelement Correction Factor, and ICP Linear Range criteria were met in accordance with the SAP Appendix V Validation Checklist, Trace Metals. The only exceptions are one of the Continuing Calibration Blanks for Sodium and the Prep Blank for Iron. In both cases the amounts detected in the samples were greater than 10 times the values detected in the blanks.

The Blank Spike recoveries (LCS) were all within QC limits.

The BOD analysis for sample BWH #4 was flagged with a "J" as estimated since the dissolve oxygen uptake (1.94 mg/l) was slightly less than the method minimum requirement of 2.00 mg/l.

No other analytical or QC problems were encountered.

### VOLATILE ORGANICS

Six water samples and one Trip Blank were analyzed for the Drinking Water List of Volatile Organics plus MTBE by EPA method 524.2.

The pH was <2 for all samples at the time of analysis.

All Tuning criteria for BFB were within QC limits.

All the initial and continuing calibration criteria were met for all analytes.

All Internal Standard Areas were within QC limits.

All surrogate standard recoveries were within acceptance limits for all samples.

The Blank Spike (Reference Check) recoveries; and the RPD were all acceptable.

The Method Blanks and Trip Blank associated with these samples were free of contamination.

Samples MW-14S #2 and MW-25 #7 were re-analyzed at dilutions to bring target analytes within the calibration range of the method. Both dilutions were reported with analytes over the calibration range flagged with an "E".

No other analytical or QC problems were encountered.



This report contains analytical results for the following samples:

WM-25 #7	ISE <b>T</b> 9L
TRIP BLAUK	899094
9# HWS	۷9909۲
S# T-SS	999094
ВМН #4	999094
E# S6-MW	₱9909᠘
Z# SÐI-MW	٤99097
T# SE-MW	Z990 <b>9</b> L
Client ID	<u>ar dad</u>







# **OKCANIC 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

NELAP Accredited
New York ID # 10145
New Jersey ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Ravy Facilities Engineering Service Center Approved
Navy Facilities Engineering Service Center Approved







# INORGANIC OUALIFIERS

Concentration) qualifier –

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

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

The reported value is estimated because of the presence of interference.

Estimated Value

M - Duplicate injection precision not met.

Spiked sample recovery not within control limits.

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

Duplicate analysis not within control limits. absorbance is less than 50% of spike absorbance.

+ - Correlation coefficient for the MSA is less than 0.995.

#### ::rəftifisup (boftəM) M

- "P" for ICP

AAəms<br/>Flame AA -

AA sognuff tof "4" -

- "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

AA rope V blod Cold Vapor AA" -AA nor Manual 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

West Virginia ID # 292 South Carolina ID #91012 Rhode Island ID # 158 Pennsylvania Registration 68-786 New Hampshire ID # 294100 A/B New Jersey ID # NY004 New York ID # 10145

Nebraska Accredited Mavy Facilities Engineering Service Center Approved Massachusetts JD # M-NY032 Florida ID # E87674 Connecticut ID # PH0556 Delaware Accredited Army Corp of Engineers Validated

NELAP Accredited

Keported: 10/19/04

Shaw/Emcon/OWT
Project Reference: MAMARONECK
Client Sample ID : MW-35 #1

	янтям :xi	rjeM elgms8			rabrO noissimdu2		Date Sampled: 09/24/04 Date Received: 09/24/04
DILUTION	TIME TIME	ETAG GENYNED	STINU	TUUSER	ьбг	WELHOD	HYLYTA
J.0	9T:60	₱0/8Z/60	WG/I	U 0050.0	0050.0	320.1	AINOMMA
0.τ	73:5T	70/7Z/60	WG/F	U 00.S	2.00	T.20₽	BOD-2
0.01	72:11	06\54\0¢	WG/F	U 00.1	001.0	0.00£	BKOWIDE
Ο'Τ	13:00	₱0/0E/60	WG/F	IZ.S	00.2	₽.01₽	CHEWICAL OXYGEN DEMAND
0.04	£1:91	₱0/4Z/60	WG\r	₽81	002.0	0.008	CHPOKIDE
0.01	<b>ሬ</b> ደ፡ፒፒ	\$0/\$Z/60	WG\F	£95.0	0050.0	0.005	NITRATE NITROGEN
0.01	75:11	09\24\04	WG\r	I.64	002.0	0.005	ELFATE
ο.τ	00:51	₱0/87/60	WG\F	76T	00.2	1.018	TOTAL ALKALIUITY
O.I	08:60	₱0/82/60	WG/F	230	0.01	I.091	TOTAL DISSOLVED SOLIDS
о.т	00:60	₱0/₱0/0T	WG/F	325	00.5	Z.OEI	TOTAL HARDNESS
0.τ	00:60	09/29/0⊄	WG/P	492.0	0.200	3,125	TOTAL KJELDAHL NITROGEN
ο.τ	70:81	₽0/72/60	WG\r	02.2	00.I	0906	TOTAL ORGANIC CARBON
0 ' T	91:81	₽0/\2/60	WG\r	S.12	00.1	0906	TOTAL ORGANIC CARBON
ο.τ	18:25	₽0/LZ/60	WG\r	II.S	00.1	0906	TOTAL ORGANIC CARRON
0 ' T	18:34	09/27/04	WG\r	2.15	00.I	0906	TOTAL ORGANIC CARBON
0 · T	17:30	#0/T0/0T	WG\r	U 00200.0	0.000.0	9906	TOTAL PHENOLICS

Reported: 10/19/04

Shaw/Emcon/OWT
Project Reference: MAMARONECK
Client Sample ID : MW-35 #1

	MATER	sample Matrix:		#: KS423097 #: 760662			Date Sampled: 09/23/04 Date Received: 09/23/04
OILUTION	I	ETAG GESYJANA	STINU	TLUSER	ъбг	METHOD	PAPLYTE
0.1	<del></del>	₹0/50/01	MG/I"	U 0010.0	0010.0	e010B	PRSENIC
0.1		₹0/S0/OT	WG\r	U 00200.0	0.000.0	E0109	CADMIUM
ο.τ		70/02/0 <del>1</del>	WG\r	2,28	0.500	E010B	WILCIUM
0.1		₱0/S0/0T	WG\r	8920.0	0.020	<b>E010B</b>	COPPER
0.1		70/02/0 <del>1</del>	WG\F	0.07	001.0	<b>E010B</b>	IKON
ο·τ		70/02/0∉	WG\F	0.0125	0050010	E010B	LEAD
0.1		10/02/0 <del>4</del>	WG\P	τ.τε	005.0	<b>E010B</b>	WYGNEZINW
οιτ		₹0/90/0T	WC/P	<b>₽6</b> 2.0	0010.0	COTOB	WANGANESE
0.1		09\58\0 <del>4</del>	WG/F	U 00E000.0	005000.0	A0747	MERCURY
0.1		70/90/0T	WG/F	L8:S	2.00	<b>eoio</b> B	MUISSATOG
ο.τ		₹0/90/0T	WG/F	₱.89	00510	<b>E010B</b>	WNICOS
0.1		TO/02/04	WG/I	1460.0	0020.0	<b>E010B</b>	ZINC

Keported: 10/19/04

Client Sample ID : MM-14S #2 Sysw/Emcon/OMT

TATE TY  "WLYZED AUA  9/28/04 13  9/24/04 11  9/28/04 13  9/28/04 13  9/28/04 11  9/28/04 11	WG\F 0 WG\F 0 WG\F 0 WG\F 0 WG\F 0	RESULT 2.55 27.2 1.00 U 139 0.500 U 2.00 U	PQL 0.050.0 0.10 0.10 0.200 0.200	300.0 300.0 300.0 410.4 300.0 405.1 320.1	ANALYTE AMMONIA BROMIDE CHEMICAL OXYGEN DEMAND CHLORIDE NITRATE NITROGEN SULFRATE
TT #0/#Z/6 TT #0/#Z/6 TT #0/08/6 TT #0/\$/6	WG\r         0           WG\r         0           WG\r         0           WG\r         0           WG\r         0	2,72 U 00.1 U 00.1 U 002.0	00.2 001.0 00.2 002.0	0.008 0.008 4.014 0.008 1.204	NITRATE UITROGEN  BROWIDE  BOD-S
67.24/04 TT 67.26/04 TT 67.26/04 TT 67.26/04 TT 67.26/04 TT	WG/F         0           WG/F         0           WG/F         0           WG/F         0	0 005.0 139 0 05.0	001.0 00.2 002.0 0020.0	300.00 300.0 300.0	NITRATE NITROGEN CHEMICAL OXYGEN DEMAND
0/30/04 TT #0/#Z/6 TT #0/#Z/6 TT #0/8Z/6	WG/r         0           WG/r         0           WG/r         0	0 200 N 736 720	00.2 00\$.0 0020.0	410.4 300.0 300.0	CHEMICEL OXYGEN DEMEND UITRATE UITROGEN
TT \$0/\$Z/6 TT \$0/\$Z/6 TT \$0/8Z/6	WG\r 0 WG\r 0	009.0 009.0	002.0 0020.0	0.00E 0.00E	CHLORIDE UITROGEN
0/54/04 II	WG/L 0	0.500 U	0020.0	0.008	NITRATE UITROGEN
11 \$0/\$2/6					•
*. *.	Δ DT /ENG	0 00.7	00710	01000	C7.717.707.00
ET \$0/82/6	MG/L 0	S#E	00.2	τ.οτε	TOTAL ALKALINI <b>T</b> Y
					TOTAL DISSOLVED SOLIDS
*. *	•				TOTAL HARDNESS
			002.0	3.125	TOTAL KJELDAHL NITROGEN
·	·	08.6	00.τ	0906	TOTAL ORGANIC CARBON
		I.OI	00.τ	0906	TOTAL ORGANIC CARBON
		7.01	00.τ	0906	TOTAL ORGANIC CARBON
·	·	S.OI	00.τ	0906	TOTAL ORGANIC CARBON
TT 00/T0/0	MG/r J	U 00800.0	0.00500	9906	TOTAL PHENOLICS
	61 \$0/\2\6 61 \$0\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	WG\T       08\S\\004 \ 18         WG\T       08\S\\004 \ 18         WG\T       08\S\\004 \ 18         WG\T       08\S\\004 \ 08         WG\T       08\S\\004 \ 08         WG\T       10\04\04 \ 08         WG\T       08\S\\004\04 \ 08         WG\T       08\S\\004\04 \ 08	564 MG/L 09/28/04 09 28 10.7 MG/L 10/04/04 09 68 29.80 MG/L 09/27/04 18 10.7 MG/L 09/27/04 19 10.7 MG/L 09/27/04 19 10.7 MG/L 09/27/04 19 10.2 MG/L 09/27/04 19	00 000       000 <t< td=""><td>60 \$0/82/60 T/DM \$9\$ 0.01 T.09T 60 \$09/82/60 T.00 T.00T D0.00 T.09T D0.00 T.00</td></t<>	60 \$0/82/60 T/DM \$9\$ 0.01 T.09T 60 \$09/82/60 T.00 T.00T D0.00 T.09T D0.00 T.00

Reported: 10/19/04

Client Sample ID : WW-14S #2 Project Reference: MAMARONECK Shaw Emcon/OWT

ARSENIC CADMIUM CALCIUM	E0109 E0109	00200.0 £0	010'0 010'0 010'0	· .	₱0/90/01 ₱0/90/01 ₱0/90/01	0 T 0 T
AUALYTE	WELHO	IOD BÕF	RESUI	STINU	DATE PARTASED	DILUTION
Date Sampled : 0. Date Received: 0.		brO è taaimdug	#: B545		Sample Matrix:	WATER

## Keported: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL **NOPYLIPE ORGANICS**

NG\r

U 02.0

09.0

Client Sample ID : MW-14S #2 Project Reference: MAMARONECK Shaw/Emcon/OWT

:NOITUIIG DILUTION:

N-PROPYLBENZENE

				₹0./90/i	эт :	CHINTAR 3	TA(
SIINO	KERNPL	· bõr				ALE	IAM
	Sample Matrix: Analytical Run	£2423097 760663	#: #:	14:16 Order Submission	09/24/04 09/23/04	Sampled : Received:	931 931

00.I

Ť	1/5/1	11 02 0	02.0	N-PROPYLENZENE
· \$-	nc\r	U 02.0	05.0	NAPHTHALENE
	ne\r	0.50 U	05.0	WELHAPENE CHPOKIDE
	ng\r	U 02.0	09.0	b-ISObkobarlornene
	ng\r	U 02.0	05.0	ISOPROPYLENZENE
	ng\r	U 02.0	05.0	HEXACHLOROBUTADIENE
	ne\r	U 02.0	05.0	ELHXTBENSENE
	ne\r	U 02.0	05.0	GIS-I'3-DICHPOKOBKOBENE
	NG\F	U 02.0	05.0	LKANS-1,3-DICHLOROPROPENE
	ne\r	U 02.0	05.0	I'I-DICHPOKOBKOBENE
	ne\r	U 02.0	02.0	J'3-DICHPOKOBKOBYNE
	ng\r	$\mathbf{U}$ 02.0	05.0	I'S-DICHPOKOBKOBYNE
	ng\r	U 02.0	05.0	S'S-DICHPOKOBKOBYNE
	nc\r	U 02.0	05.0	GIS-I'S-DICHTOKOELHEME
	nc\r	U 02.0	05.0	TRAUS-1,2-DICHLOROETHENE
	ng\r	U 08.0	09.0	T'T-DICHPOKOETHENE
	NG\F	U 02,0	05.0	I'S-DICHPOKOETHANE
	ng\r	U 02.0	05.0	I'I-DICHPOKOETHANE
	ng\r	U 02.0	02.0	DICHLORODIFLUOROMETHANE
	ng\r	U 02.0	03.0	J'3-DICHPOKOBENZENE
	nc\r	U 02.0	09.0	T' #-DICHPOKOBENZENE
	ng\r	U 02.0	05.0	J'S-DICHTOKOBENZENE
	ne\r	U 02.0	05.0	DIBROMOMETHAME
	ne\r	U 02.0	05.0	I, 2-DIBROMOETHANE
	ne,r	U 02.0	09.0	DIBKOMOCHPOKOMETHANE
	T/ÐN	U 02.0	05.0	♣ - CHPOKOLOPOENE
	ng\r	U 02.0	05.0	S-CHPOKOLOPAEME
	ne\r	U 02.0	05.0	I,2-DIBROMO-3-CHLOROPROPAUE
	ue'r	U 02.0	05.0	CHPOROMETHANE
	ng\r	U 02.0	05.0	CHLOROFORM
	ue\r	U 02.0	03.0	CHPOROETHANE
	ne\r	U 02.0	02.0	CHPOKOBENZENE
	ne\r	U 02.0	09.0	CARBON TETRACHLORIDE
	ng\r	U 02.0	05.0	N-BOLAPBENZENE
	ı\eu	U 02.0	02.0	SEC-BALAPBENZENE
	ng\r	U 02.0	05.0	LEKL-BOLKTBENSENE
	ng\r	<b>44</b> E	05.0	WETHYL-TERT-BUTYL ETHER
	us/L	68	20	TERT-BUTYL ALCOHOL
	uG/L	U 02,0	05.0	BKOWOWETHAUE
	ng\r_	U 02,0	03.0	ВКОМОРОКМ
	ng\r	U 02.0	08.0	BKOMODICHPOROMETHANE
	ne\r	U 02.0	09.0	BKOMOCHLOROMETHANE
	ne\r	U 02.0	09.0	BEOMOBENZEME
	ne\r	U 02.0	09.0	BENZENE

# Keported: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Shaw/Emcon/OWT

Client Sample ID : MW-145 #2 Project Reference: MAMARONECK

7/5	on nos	.0 02.0		NE	SLAKE
			00.1 00.1	 ATICAL DII	
STING	ESOLT (	PQL R		XIE	JANA
	Matrix: WATI cal Run 109		14:16 Order notasimdus		

T'S-DICHPOKOBENSENE-D¢ BKOWOŁPNOKOBENSENE	- · · · · · · · · · · · · · · · · · · ·	_	EII T6	ato ato
SOUR SOURCE SECONERIES	ÖC PIWILS			
O-XAPENE		05.0	U 02.0	ne\r
W+b-XXPENE		05.0	U 02.0	ne\r
AINAT CHTOKIDE		05.0	U 02.0	ne\r
I'S' 4-TRIMETHYLBENZENE		05.0	U 02.0	ne\r
1,3,5-TRIMETHYLBENZENE		05.0	U 02.0	ne\r
1,2,3-TRICHLOROPROPAUE		05.0	U 02.0	ng/r
TRICHLOROFLUOROMETHANE		08.0	U 02.0	NG\F
LKICHTOKOETHENE		05.0	U 02.0	AG/F
I'I'S-LKICHPOKOETHANE		08.0	U 02.0	NG\F
1,1,1-TRICHLOROETHANE		0510	U 02.0	ng\r
I'S'3-LKICHTOKOBENZENE		0510	U 02.0	ne\r
1,2,4-TRICHLOROBENZENE		05.0	U 02.0	nc\r
LOPOENE		05.0	U 02.0	NG\F
<b>TETRACHLOROETHENE</b>		05.0	U 03.0	ne\r
I'I'S'S-LELKYCHPOKOELHYNE		02.0	U 02.0	ne\r
I'I'I'S-LELKYCHPOKOETHYNE		05.0	U 02.0	ne\r
SLAKENE		05.0	U 02.0	ne\r

# yeported: 10/19/04 wethod 524.2 Drinking water volatil volatile organics

Shaw/Emcon/OWT Project Referen

Client Sample ID : MW-14S #2

SIINO TJUS	ьог ке		ANALYTE
AHTAK : WATER 23 Peol mu <b>n la</b>	-	:# sdro order #: Submission #:	 •

	ne\r	U O.I	05.0	N-bkobarbenzene
13	ng\r	U 0.1	05.0	NAPHTHALENE
C 1	ne\r	υ ο. μ	05.0	WELHATERE CHPOKIDE
	ne\r	$\sigma$ .r	03.0	b-ISOPROPYLOUNENE
	ng\r	υ ο.ι	05.0	I SOBBODAT BOT MEATE
	ne\r	ο ο τ	02.0	HEXACHLOROBUTADI ENE
	ng\r	U O.I	02.0	ELHAPENSENE
	nd\r	U O.I	02.0	GIS-1,3-DICHLOROPROPENE
	ng\r	U O.I	02.0	TRANS-1,3-DICHLOROPROPENE
	nc\r	U O.I	02.0	1,1-DICHLOROPROPROPRIE
	ne\r	U 0.1	02.0	1,3-DICHLOROPROPANE
	ng\r	U 0.1	05.0	I, 2-DICHLOROPROPANE
	ne\r	U 0.1	05.0	2,2-DICHLOROPROPANE
	ne\r	U O.I	05.0	CIS-I'S-DICHTOBOBLIENE
	ne\r	υ ο. μ	05.0	TRANS-1, 2-DICHLOROETHENE
	ne\r	U 0.1	05.0	T'I-DICHTOKOETHENE
	ne\r	υ ο.1	05.0	I, 2-DICHLOROETHANE
	na\r	u o.r	05.0	I, 1-DICHLOROETHANE
	ne\r	ο ο τ	02.0	DICHPORODI FLUOROMETHANE
	na\r	υ ο. μ	05.0	1,3-DICHLOROBENZENE
	ng\r	U O.I	05.0	T'4-DICHPOKOBENZENE
	nc\r	U O.I	09.0	I,2-DICHLOROBENZENE
	nc\r	U O.I	05.0	DIBROMOMETHAUE
	nc\r	U O.I	05.0	I,2-DIBROMOETHANE
	$\Omega G \setminus \Gamma$	u o.r	05.0	DIBKOMOCHPOKOMETHANE
	$\Omega G \setminus \Gamma$	u o.r	09.0	4 - CHTOKOTOLUENE
	nG\r	U O.I	09.0	S-CHTOKOLOPOENE
	$\Omega$ C $\Gamma$	U O.I	05.0	I'S-DIBKOWO-3-CHPOKOPROPAUE
	$\Omega$ C $\Gamma$	U O.I	05.0	CHTOKOMETHANE
	$\Omega G \setminus \Gamma$	ο ο τ	05.0	CHPOKOŁOKW
	$\Omega G \setminus \Gamma$	U O.I	02.0	CHTOKOETHANE
	NG\F	U 0.1	05.0	CHTOKOBENSEME
	ng\r	u o.r	05.0	CARBON TETRACHLORIDE
	NG\F	u o.r	0.50	N-BOLATBENSENE
	NG\r	U O.I	05.0	SEC-BOLKTBENZENE
	ne\r	U O.I	05.0	LEKI-BOLKIBENSENE
	ng\r	Ζ‡	05.0	WETHYL-TERT-BUTYL ETHER
	ne\r	88	20	LEKI-BUIXL ALCOHOL
	ng\r	υ ο.ι	05.0	BEOMOMETHAUE
	ne\r	u o.r	05.0	BKOMOŁOKW
	ne\r	υ ο.Ι	09.0	BEOMODICHLOROMETHANE
	ne\r	U O.I	09.0	BROMOCHLOROMETHANE
	nc\r	U O.I	05.0	PROMOBENZENE
	ng\r	U O.1	02.0	BENSENE
			•	ANALYTICAL DILUTION: 2.00
				DATE ANALYZED : 10/07/04

## Keported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL AOPVAILE ORGANICS

Shaw/Emcon/OWT

Client Sample ID : MW-145 #2 Project Reference: MAMARONECK

	Sample Matrix: Analytical Run	K5∉53067 760663	:# : :# :	14:16 Order Submission	\$0/\$Z/60	Received:	Date
STINU	RESULT	ьŏг				'XLE	IANA
				₽0\70\0 00.2		ANALYZED	
ne\r	υ ο.ι	02.0			п.овоетнъи	NE	SLXRE

opo opo	101 <del>5</del> 6	(% OET - OL) (% OET - OL)	T'S-DICHPOKOBENSENE-D4 BKOWOŁPNOKOBENSENE
		STIMIT DQ	SURROGATE RECOVERIES
ne\r ne\r ne\r ne\r ne\r ne\r ne\r ne\r	U 0.1 U 0.1	05.0 05.0 05.0 05.0 05.0 05.0 05.0 05.0	STYRENE  1, 1, 1, 2 - TETRACHLOROETHANE  1, 1, 2, 2 - TETRACHLOROETHANE  TOLUENE  1, 2, 4 - TRICHLOROBENZENE  1, 2, 4 - TRICHLOROBENZENE  1, 1, 1 - TRICHLOROETHANE  TRICHLOROETHANE  1, 2, 3 - TRICHLOROETHANE  1, 1, 2 - TRICHLOROETHANE  1, 2, 3 - TRICHLOROETHANE  1, 2, 3 - TRICHLOROPROBENZENE  1, 2, 4 - TRIMETHYLBENZENE  1, 2, 5 - TRIMETHYLBENZENE  1, 3, 5 - TRIMETHYLBENZENE  1, 2, 5 - TRIMETHYLBENZENE  1, 2, 5 - TRIMETHYLBENZENE  1, 3, 5 - TRIMETHYLBENZENE  1, 2, 4 - TRIMETHYLBENZENE  1, 2, 5 - TRIMETHYLBENZENE  1, 2, 6 - TRIMETHYLBENZENE  1, 2, 6 - TRIMETHYLBENZENE  1, 7, 7 - TRIMETHYLBENZENE  1, 2, 6 - TRIMETHYLBENZENE  1, 7, 7 - TRIMET

Reported: 10/19/04

Client Sample ID : WW-9S #3
Spay/Emcon/OWT

8	ix: WATE	ample Matr	ន		rebro noisaimdus	7T:ST	Date Sampled: 09/24/04 Date Received: 09/24/04
DITALION	TIME PANALYZED	DATE DALYZED	STINU	RESULT	PQL	WELHOD	ETYJANA
0.1	9T:60	₱0/87/60	WG/F	0.050.0	0050.0	1,025	AINOMMA
Ο.Ι	65:EI	00\54\0 <del>4</del>	WG\r	U 00.S	00.2	T'SOĐ	BOD-2
0.01	75:0e	09/24/04	WG\r	υ οο.τ	001.0	0.00€	BROWIDE
σ.τ	13:00	₹0/0E/60	WG\I	U 00.2	00.2	4.01£	CHEMICAL OXYGEN DEMAND
0.01	17:06	Ð0/77/60	WG\T	₽. Sε	002.0	0.008	CHTOKIDE
0.01	17:06	09/24/0 <del>4</del>	WG\r	216.0	0.050.0	0.008	NITRATE NITROGEN
0.01	77:0e	09/24/0 <del>4</del>	WG\P	7.9I	002.0	0.00£	SULFATE
ο.τ	13:00	\$0/82/60	WG\r	0.94	00.2	I'OTE	TOTAL ALKALINITY
0.1	08:60	06\58\0 <del>4</del>	WG\r	TTT	0.0I	τ.09τ	TOTAL DISSOLVED SOLIDS
0.1	00:60	₹0/₹0/OT	WG\T	27.2	00.5	Z,OEI	TOTAL HARDNESS
0.1	00:60	\$0/6Z/60	WG\T	017.0	002.0	2.12E	TOTAL KJELDAHL NITROGEN
Ο.Ι	ZZ:6I	₱ <b>0</b> /८८/60	WG\F	82.2	00.τ	0906	TOTAL ORGANIC CARBON
ο.τ	16:61	₱0/LZ/60	MG/I	2.36	00.I	0906	TOTAL ORGANIC CARRON
0.1	T <b>7:</b> 6T	₱0/LZ/60	WG\P	9£.2	00.I	0906	TOTAL ORGANIC CARBON
0 ° T	09:6T	₹0/८८/60	WG\F	08.8	J.00	0906	TOTAL ORGANIC CARBON
0.τ	11:30	₹0/t0/0t	MG\r	U 00200.0	00500.0	9906	TOTAL PHENOLICS

Keported: 10/19/04

Shaw/Emcon/OWT

Project Reference: MAMARONECK

Client Sample ID : MW-98 #3

ο.τ	₱0/S0/0T	WG\F	0.112	0.020.0	<b>E010B</b>	ZINC
Ο.Ι	₹0/90/0T	WG\F	7.85	0.500	<b>eolo</b> B	WAIGOS
0.1	70/97/0 <del>1</del>	WG\r	ð.9I	2.00	<b>E010B</b>	MUISSATOG
Ο.Ι	₹0/87/60	WG\P	U 00£000.0	005000.0	A07₽7	WEKCURY
ο. τ	₹0/90/0T	WG\F	30.5	0010.0	<b>E010B</b>	WYNGYNEZE
0.1	₹0/S0/0T	WG\r	8.22	0.500	<b>eo</b> rob	WEGNEZIOW
О.І	70/02/0 <del>1</del>	WG\F	0.0650	0.00500	eorob	LEAD
0.2	₹0/\$0/OT	WG\r	382	001.0	E010B	IKON
ο.τ	70/02/0T	WG\P	872.0	0020.0	E010B	COBDEK
ο.τ	₽0/S0/OT	WG\F	0.91	005.0	<b>E010B</b>	CALCIUM
ο'τ	₽0/S0/0T	WG\P	8 E T O ' O	0.00000	<b>E010B</b>	CADMIUM
0.02	T0/02/0 <del>4</del>	WG\r	U 005.0	0.000	E0109	ARSENIC
DILUTION	ETAG GESYJANA	STINU	RESULT	ъбг	WELHOD	ATYJANA
	Sample Matrix: WATER		#: 760664 #: 760664	rabrO noissimdu8	zt:st	Date Sampled: 09/24/04 Date Received: 09/24/04

nc\r

U 02.0

05.0

# Keported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Spaw/Emcon/OWT

N-PROPYLBENZENE

Client Sample ID : MW-9S #3 Project Reference: MAMARONECK

				₱0/90/i	ΙC	:	S ANALYZED	TAG
STINU	RESULT	тŎа			• •		TLE	IANA
	Sample Matrix: V	K2423097 760664	:# :#	15:12 Order noisaimdus	ъс ъс	09\23\0	sampled : Received:	Date Date

N-bkobatbenzene	05.0	11 02 0	1/511
NAPHTHALENE	03.0	U 02.0	υœ∖r
WELHKFENE CHPOKIDE	05.0	U 02.0	ne\r
b-ISObbobarlorgene	05.0	U 02.0	nc\r
ISOPROPYLENE	09.0	U 02.0	ne\r
HEXACHLOROBUTADIENE	09.0	0°20	ne\r
ELHATBENZENE	09.0	U 02.0	NG\I
CIS-I'3-DICHTOKOBKOBENE	05.0	U 02.0	NG\T
TRANS-1,3-DICHLOROPROPENE	03.0	U 02.0	ne\r
I, I-DICHLOROPROPEUR	02.0	U 02.0	ne\r
1,3-DICHLOROPROPAUE	05.0	U 02.0	ng\r
1,2-DICHLOROPROPANE	05.0	U 02.0	ne\r
C. S. DICHLOROPROPANE	05.0	U 02.0	ne\r
S S-DICALOROPROBLE  CIS-1, 2-DICHLOROETHENE	03.0	U 02.0	ne\r
	03.0	U 02.0	ne\r
TRANS-1,2-DICHLOROETHENE	02.0	U 02.0	ne\r
I, I-DICHLOROETHENE	02.0	U 02.0	ne\r
I, 2-DICHLOROETHANE	02.0	U 02.0	na\r
I, I-DICHLOROETHANE		U 02.0	ne\r
DICHLORODIFLUOROMETHANE	05.0 02.0	U 02.0	ne\r
I, 3-DICHLOROBENZENE			NG\r NG\r
I, 4-DICHLOROBENZENE	0.50	U 02.0	
I'S-DICHPOKOBENSENE	05.0	U 02.0	7/5A
DIBKOWOWETHAME	05.0	U 02.0	nc\r
I'S-DIBKOWOETHANE	05.0	u 02.0	ne\r
DIBROMOCHLOROMETHANE	0.50	U 02.0	ne\r
4 - CHPOKOLOPNEME	09.0	U 02.0	nG\r
S-CHPOKOLOPNEME	0.50	U 02.0	ne\r
J'S-DIBKOWO-3-CHPOKOBKOBYNE	05.0	U 02,0	ng\r
CHLOROMETHANE	05.0	U 02.0	ng\r
CHPOKOŁOKW	09.0	23	ng\r
CHPOKOETHANE	09.0	U 02.0	ne\r
CHPOKOBENZENE	05.0	U 02.0	nc\r
CARBON TETRACHLORIDE	05.0	U 02.0	nc\r
N-BOLATBENZENE	05.0	U 02.0	ng\r
SEC-BALKTBEMSEME	05.0	U 02.0	ne\r
TERT-BUTYLBENZENE	05.0	U 02.0	ng\r
WETHYL-TERT-BUTYL ETHER	05.0	U 02.0	ng\r
TERT-BUTYL ALCOHOL	20	Z0 N	NG\F
BROMOMETHANE	05.0	U 02.0	ne\r
ВБОМОЖЕМИ ВКОМОЕОКИ	05.0	U 02.0	ng\r
BROMODICHLOROMETHANE	05.0	U 02.0	ne\r
BROMOCHLOROMETHANE BROMOCHCOROMETHANE	05.0	U 08.0	ne\r
BEOWOGHT OBONEMAYNE BEOWOBENZENE	05.0	U 02.0	ne\r
	02.0	U 02.0	ne\r
BENZENE	0.1.0		,
ANALYTICAL DILUTION: 1.00			
TO 100 100 .			

## Keported: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL **AOPYLIPE ORGYNICS**

Client Sample ID : MW-9S #3 Shaw/Emcon/OWT

Project Reference: MAMARONECK

DATE ANALYZED : 10/06/04

STINU	KEZNIL	ÞÕľ		CALE	IANA
	sample Matrix: Analytical Run		rebro S1:81 noissimdus		

कु कु	90T 46	(% OET - OL) (% OET - OL)	I'S-DICHPOKOBENZENE-D& BKOWOŁPNOKOBENZENE
		OC LIMITS	SURROGATE RECOVERIES
ne\r ne\r ne\r ne\r ne\r ne\r ne\r ne\r	09.0 0 09.0 0 09.0 0 09.0 0 09.0 0 09.0 0 09.0 0 09.0 0 09.0	05.0 05.0 05.0 05.0 05.0 05.0 05.0 05.0	STYRENE  1,1,1,2-TETRACHLOROETHANE  1,1,2,2-TETRACHLOROETHANE  1,2,4-TRICHLOROBENZENE  1,2,4-TRICHLOROBENZENE  1,1,1-TRICHLOROBENZENE  1,1,1-TRICHLOROBENZENE  1,1,1-TRICHLOROBENZENE  1,1,2,3-TRICHLOROBENZENE  1,1,2,3-TRICHLOROBENZENE  1,1,2-TRICHLOROBENZENE  1,2,3-TRICHLOROBENZENE  1,2,3-TRICHLOROBENZENE  1,2,3-TRICHLOROBENZENE  1,2,3-TRICHLOROBENZENE  1,2,3-TRICHLOROBENZENE  1,2,4-TRIMETHYLBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,1,1-TRICHLOROBENZENE  1,1,1-TRICHLOROBENZENE  1,1,1-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,2,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,5-TRICHLOROBENZENE  1,5-TRICHLOROBE
		00.	ANALYTICAL DILUTION:

Keported: 10/19/04

Client Sample ID : BWH #4 Project Reference: MAMARONECK

	ix: WATER	risM əlqms2			noisaimdus	10:20	Date Sampled: 09/23/04 Date Received: 09/24/04
DIFOLION	TIME	ETAC GESYJANA	STINU	RESULT	ьбг	WELHOD	ATYJANA
0, I	9T:60	09/28/04	MG/I	845,0	0.050.0	1.02£	AINOMMA
ο'τ	65:ET	\$0/5 <b>7</b> /60	WG\r	ር <b>ቅ</b> ፫. ቅ	00.S	1.304	BOD-2
0.01	12:21	00/5 <u>4</u> /04	WG\r	U 00.1	001.0	0.008	BEOWIDE
0.1	00:61	₹0/0E/60	WG\P	9-88		• • • • • • • • • • • • • • • • • • •	CHEWICAL OXYGEN DEMAND
0.04	17:23	£0/8Z/60	WG\T	ETT	002.0	0.008	HEADY MEDOCEM
0.01	12:21	₱0/₺ፘ/60	WG\r	U 002.0	0020.0	0.008	NITRATE NITROGEN
0.01	TZ:ZT	₽0/₽ፘ/60	MG/L	ε. 91	002.0	0.008	ETATUS
О.Т	13:00	₹0/82/60	WG/r	757	00.Z	I.OIE	TOTAL ALKALINITY
0.1	08:60	D0/87/60	WG/r	787	0.01	I.091	TOTAL DISSOLVED SOLIDS
ο.τ	00:60	70/00/OT	WG\T	897	00.2	2.051	TOTAL HARDNESS
0.1	00:60	₱0/67/60	WG\P	2.83	0.200	3.135	TOTAL KJELDAHL NITROGEN
0.01	20:00	₱0/LZ/60	WG\r	₽.£9	00.1	0906	TOTAL ORGANIC CARBON
0.01	60:02	D0/72/04	WG\r	2.49	00 T	0906	TOTAL ORGANIC CARBON
0.01	61:02	₱0/LZ/60	WG/F	<b>₽.</b> 70	00.τ	0906	TOTAL ORGANIC CARBON
0.01	82:02	₱0/LZ/60	WG\P	2.89	00.Τ	0906	TOTAL ORGANIC CARBON
ο.τ	11:30	<b>₹</b> 0/t0/0t	MG/I	U 00200.0	0.000.0	9906	TOTAL PHENOLICS

Keported: 10/19/04

Shaw/Emcon/OWT
Project Reference: MAMARONECK
Client Sample ID : BWH #4

ZINC	80T09	0.020.0	7980.0	WG\r	₹0/02\0∉	ο. μ
WNIDOS	<b>E010B</b>	0.500	€,27	WG\T	₹0/90/0T	ο . τ
MUIZZATOT	<b>E010B</b>	00,2	£7.₽	WG\F	₹0/90/0T	0.1
WERCURY	A0717	005000.0	U 006000.0	WG/F	₹0/87/60	ο.Ι
WANGANESE	E010B	0010.0	85.2	WG/F	₹0/90/0T	0.1
WISSINW	E010B	002.0	S.IS	WG\F	₹0/S0/OT	ο.1
PEAD	E0109	0.0000	0.0270	WG/F	₹0/S0/OT	0.1
IKON	E0109	. 00T 0	001	WG\F	₹0/S0/0T	ο.Ι
СОББЕК	E0109	0020.0	2550.0	WG\F	₹0/S0/OT	ο.1
CALCIUM	E010B	0.50	2.08	WG/F	₹0/90/0T	0.1
CADMIUM	<b>e010</b> B	0.0000.0	U 00200.0	WG\r	₹0/90/0T	ο. τ
ARSENIC	<b>0010B</b>	0010.0	9820.0	WG/F	70/02/0 <del>4</del>	0 · T
AVALYTE	METHOD	ÞÖF	RESOLT	STINU	DATE PANALYZED	DIFUTION
Date Sampled: 09/24/04	02:01	order noissimdus	#: KS423097 #: 760665		Sample Matrix: W	ATTA!

## Keported: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Shaw/Emcon/OWT

ANALYTICAL DILUTION:

Client Sample ID : BWH #4 **broject Reference: MAMARONECK** 

			₹0/90/	JT:	DATE ANALYZED
STINU	KERNIT	ьõг			HTYJANA
	Sample Matrix: Analytical Run				Date Sampled: Date Received:

1.00

~g~ r~g	ng\r	U 02.0	05.0	N-brobatbenzene
2I	ne\r	U 03.0	05.0	N DECEMBLE AND THE STATE OF THE
	ne\r	U 02.0	03.0	WELHATERE CHTOKIDE
	ne\r	U 02.0	05.0	b-ISOBKODATLOPNEME
	ng\r	U 02.0	02.0	ISOPROPYLENZENE
	ne\r	U 02.0	05°0	HEXACHLOROBUTADIENE
	ng\r	U 02.0	09.0	ELHADBENZENE
	ne\r	U 02,0	05.0	GIS-1'3-DICHPOKOBKOBENE
	nc\r	U 02.0	05.0	TRANS-1,3-DICHLOROPROPENE
	ne\r	U 02.0	05.0	I'I-DICHPOKOBKOBENE
	uG/r	U 02.0	05.0	I,3-DICHLOROPROPAUE
	ne\r	U 02,0	0.50	I'S-DICHTOKOBKOBANE
	ng\r	U 02.0	05.0	S'S-DICHTOKOBKOBANE
	ne\r	U 02.0	05.0	CIS-I'S-DICHPOKOELHENE
	uG\L	U 02.0	05.0	TRANS-1,2-DICHLOROETHENE
	ı√əυ	U 02.0	05.0	J'J-DICHPOKOELHENE
	ug\r	U 02.0	02.0	J'S-DICHPOKOETHANE
	ng\r	U 02.0	02.0	I, I-DICHLOROETHANE
	ng\r	U 02.0	05.0	DICHTOKODIFLUOROMETHANE
	7/50 7/50	U 02.0	02.0	I'3-DICHTOKOBENZENE
	7/5A	U 02.0	02.0	I'4-DICHTOKOBENZENE
	7/50	U 02.0	05'0	I'S-DICHTOKOBENZENE
	ı/ən	U 02.0	09:0	DIBKOWOWETHANE
	ne\r	U 02.0	09.0	I, 2-DIBROMOETHANE
	T/DA	U 02.0	09.0	DIBROMOCHLOROMETHANE
	T/9N	U 02.0	05.0	4 - CHTOKOLOFINENE
	ne\r	U 02.0	05.0	S-CHTOKOLOFINEME
	n/en	U 02:0	05.0	I, 2-DIBROMO-3-CHLOROPROPAUE
	T/50	U 02.0	03.0	CHLOROMETHANE
	ne\r ne\r	U 02.0	05.0	CHLOROFORM
	ne\r	U 02.0 U 02.0	02.0	CHLOROETHANE
	7/5N 71/5N	U 02.0	02.0 02.0	CHTOKOBENZENE
	T/SN	U 02.0	02.0	CARBON TETRACHLORIDE
	ng\r ng\r	U 02.0	02.0	N-BOLKIBENZENE
	ng\r	U 02.0	02.0	SEC-BOLKTBENSENE
	ne\r	₽.2	02.0	TERT-BUTYLBENZENE
	nd\r nd\r	n oz	20	WETHYL-TERT-BUTYL ETHER
	ng\r	U 02.0	02.0	TERT-BUTYL ALCOHOL
	ne\r	U 02.0	05.0	BEOMOMETHANE
•	ne/r	U 02.0	02.0	BKOMODICHEOKOMETIEWE
	ng/r	U 02.0	02.0	BROMODI CHTOROMETHANE
	ne\r	U 02.0	02.0	BROWOCHFOREME
	nc/r	U 02.0	02.0	PKOWOBENZENE
	m/ 1411	11 03 0	0 H 0	BENZENE

## Keported: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Sysw/Emcon/OWT

Client Sample ID : BWH #4
Project Reference: MAMARONECK

SIINN	KEZNIL	ТŎđ		LALE	IANA
	Sample Matrix: Analytical Run		10:20 Order #:		

એ એ	017 66	(% OET (% OET		J'S-DICHPOKOBENZENE-D4 BKOWOŁPNOKOBENZENE
		STI	ŎG PIW	SURROGATE RECOVERIES
ne\r ne\r ne\r ne\r ne\r ne\r ne\r ne\r	U 08.0 U 08.0 U 08.0 U 08.0 U 08.0 U 08.0 U 08.0 U 08.0			STYRENE  1,1,2,2-TETRACHLOROETHANE  1,1,2,2-TETRACHLOROETHANE  TOLUENE  1,2,4-TRICHLOROBENZENE  1,2,3-TRICHLOROBENZENE  1,1,1-TRICHLOROBENZENE  1,1,2-TRICHLOROBENZENE  1,1,2-TRICHLOROBENZENE  1,1,2-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,3,5-TRICHLOROBENZENE  1,2,4-TRIMETHYLBENZENE  1,3,5-TRIMETHYLBENZENE  1,2,4-TRIMETHYLBENZENE  1,2,4-TRIMETHYLBENZENE  1,2,5-TRIMETHYLBENZENE  1,2,5-TRIMETHYLBENZENE  1,2,5-TRIMETHYLBENZENE  1,2,5-TRIMETHYLBENZENE  1,2,5-TRIMETHYLBENZENE  1,2,5-TRIMETHYLBENZENE  1,2,5-TRIMETHYLBENZENE
	100.10		00°T ₽0/	DATE ANALYZED : 10/06,

Reported: 10/19/04

Shaw/Emcon/OWT
Project Reference: MAMARONECK
Client Sample ID : SS-1 #5

NOITUJIO	TIWE YNYFED	DATE DATKZED	STINU	RESOLT	 ьŏг	WELHOD	XLE	JANA
	AETAW :xi	Sample Matr		K2423097 760666	 Order noisaimdus		Received:	

TOTAL PHENOLICS	9906	0.00500	U 00200.0	WG/F	70/10/0T	08:11	ο · τ
TOTAL ORGANIC CARBON	0906	00.I	₽'TT	WG/F	D0/LZ/60	90:72	0 T
TOTAL ORGANIC CARBON	0906	00.I	8.OL	WG/I	P0/LZ/60	72:02	ο ' τ
TOTAL ORGANIC CARBON	0906	00.τ	7.01	MG/L	70/LZ/60	<b>ሬ</b> ቱ፡ዕፘ	Ο'Τ
TOTAL ORGANIC CARBON	0906	00.τ	₹'01	WG/r	₱0/LZ/60	86:02	ο.τ
TOTAL KJELDAHL NITROGEN	2.1SE	002.0	79.٤	WG/r	₱0/6Z/60	00:60	0.1
TOTAL HARDNESS	Z.0ET	00.2	306	WG\r	70/04/04	00:60	0.1
TOTAL DISSOLVED SOLIDS	T.09I	0.01	079	WG\r	₱0/8Z/60	05:60	0.1
TOTAL ALKALINITY	370.1	00.2	220	WG\r	09/28/04	00:ET	0.1
SULFATE	0.005	002.0	Z.ZI	WG\r	09/24/04	#Z:ET	0.01
NITRATE NITROGEN	0.005	0050.0	SOT	WG\r	00/54/0d	#Z:ET	0.01
CHPOKIDE	0.005	002.0	6EI	WG\r	\$0/8Z/60	88:11	0.04
CHEMICAL OXYGEN DEMAND	₽.OI₽	00.2	8.28	WG\r	₱0/0€/60	13:00	ο.τ
BEOWIDE	0.005	001.0	U 00.1	WG/r	00/54/04	13:24	0.01
BOD-2	T'90Ð	00.2	U 00.2	WG/I	D0/57/60	69:ET	ο.τ
AINOMMA	320'J	0.0500	₽Z₽°0	WG/r	₱0/8Z/60	91:60	Ο.Ι
ETYJANA	WELHOD	ÞŐF	RESULT	STINU	DATE PARLYZED	TIWE YNYFAL	DILUTION
Date Received: 09/24/04	<u> </u>	uorsarmqng	** K2423097				
to/rz/so : perdues eaen			99909/. *#	1	gemble Matr	TX: MWLEK	

Reported: 10/19/04

Shaw/Emcon/OWT

	: dl əlqmsä	
MAMARONECK	Reference:	Project

тек	Sample Matrix: WA		#: F2423097 #: 760666		SI:II	Date Sempled: 09/24/04
DITALION	DATE GEZYLANA	SIINO	TIUSEA	ÞŐF	WELHOD	ATYLANA
0.1	₹0/50/0T	MG/I	U 0010.0	0010.0	E010B	ARSENIC
0.1	70/02/0 <del>4</del>	WG/F	U 00200.0	0.00500	<b>E010B</b>	CADMIUM
Ο.Ι	70/02/0 <del>4</del>	WG/F	2.68	002.0	<b>E010B</b>	MUIDLAD
0.Τ	10/02/0 <del>4</del>	WG/F	U 0020.0	0.0200	<b>eo</b> rob	COBBEK
0.τ	70/02/0 <del>4</del>	WG\r	ξ.ΟΙ	oot.o	<b>E010B</b>	IKOM
0 ~ T	70/02/0 <del>1</del>	WG\I	0.00500 U	0.00500	E0T09	LEAD
O . I	₹0/50/0T	WG\r	Ι.ΟΕ	005.0	E0109	WYGMEZIOW
0 · T	₹0/50/0T	WG\F	₹9°T	0.0100	80T09	WANGANESE
Ο.Ι	00\28\0 <del>4</del>	MG/L	U 006000.0	005000.0	₩07₽7	WERCURY
0.1	₹0/50/0T	WG/F	6 <i>L</i> . <i>T</i>	2.00	E0109	MUISSATOG
0.τ	₱0/S0/0T	MG/I	. 4.69	005'0	<b>E010B</b>	WOLLOS
0.τ	TO/02/04	WG/F	U 0020.0	0020.0	<b>E010B</b>	ZINC

## Reported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

ynalytical Run 109455

Sample Matrix: WATER

52

nc\r

ne\r

nG\I

ne\r

NG\F

NG\F

U 02.0

U 02.0

U 02.0

U 02.0

U 02.0

U 02.0

09.0

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Shaw/Emcon/OWT

N-PROPYLENENE

WEIHATENE CHTOKIDE

**B-ISOBKOBAPLOPOENE** 

HEXACHLOROBUTADIENE

ISOPROPYLENERS

NAPHTHALENE

	: GI əloms	
MAMARONECK	Reference:	Project

Date Received: 09/24/04 Submission #: R2423097

Date Sampled: 09/23/04 11:15 Order #: 760666

ne\r	U 02.0	05.0	ELHATBENSENE
ne\r	U 02.0	05.0	CIR-I'3-DICHPOKOBKOBENE
ne\r	U 02.0	05.0	TRANS-1,3-DICHLOROPROPENE
ne\r	U 02.0	09.0	T'T-DICHTOKOBEOBENE
ne\r	U 02.0	05.0	1,3-DICHLOROPROPAUE
ne\r	U 02.0	02.0	J'S-DICHPOKOBKOBANE
AG\r	U 02.0	02.0	S'S-DICHPOKOBKOBANE
ne\r	U 02.0	05.0	GIS-1'S-DIGHTOKOELHEME
ne\r	U 02.0	0.50	TRANS-1,2-DICHLOROETHENE
ne\r	$\sigma$ oz.o	05.0	I'I-DICHPOKOELHENE
ne\r	U 02.0	05.0	I'S-DICHPOKOETHANE
ne\r	U 02.0	02.0	I'I-DICHPOKOETHANE
nc\r	U 02.0	02.0	DICHPOKODIŁTNOKOWETHANE
ne\r	U 02.0	05.0	I'3-DICHTOKOBENZENE
ne\r	U 02.0	09.0	I'4-DICHTOKOBENZENE
ne\r	U 02.0	05.0	J'S-DICHTOKOBENZENE
ne\r	U 02.0	05.0	DIBKOWOWETHANE
ne\r	U 02.0	02.0	1,2-DIBROMO <b>ETHA</b> ME
ne\r	U 02.0	05.0	DIBROMOCHLOROMETHANE
חפ/ד	U 02.0	05.0	4-CHPOKOLOPOEME
ne\r	U 02.0	05.0	S-CHPOKOLOFINEME
neļr	$\sigma_{00}$	05.0	I, 2-DIBROMO-3-CHLOROPROPAUE
ne\r	U 02.0	05.0	CHPOROMETHANE
ue,\r	U 02.0	09.0	CHLOROFORM
ı\əu	U 02.0	05.0	CHLOROETHANE
ne,r	U 02.0	05.0	CHPOBOBENZENE
ue/L	U 02.0	05.0	CARBON TETRACHLORIDE
uG/L	U 02.0	05.0	N-BOLKIBENSENE
ng\r	0 20 n	0.50	SEC-BALATBEMSEME
ng\r	U 02.0	05.0	LEKL-BOLKTBENSENE
ne\r	ST	05.0	WETHXL-TERT-BUTYL ETHER
ng\r	22	0.2	TERT-BUTYL ALCOHOL
ne\r	U 02.0	09.0	BKOMOMETHAUE
ng\r	U 02.0	05.0	ВКОМОЪОКМ
ne\r	U 02.0	05.0	BKOMODICHPOKOMETHANE
ne\r	U 02.0	09.0	BKOMOCHPOKOMETHAME
ne\r	U 02.0	09.0	BYOMOBENZENE
NG\r	U 02.0	03.0	BENZENE
			ANALYTICAL DILUTION: 1.00
<del></del>			DATE ANALYZED : 10/06/04
STINU	TUUSEA	ЬÕГ	TYJANA

## Reported: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

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Shaw/Emcon/OWT

I'S-DICHTOKOBENZENE-D4

SURROGATE RECOVERIES

BROWOFLUOROBENZENE

Project Reference: MAMARONECK

Client Sample ID : SS-1 #5

		Sample Matrix: Analytical Run		Date Sampled: 09/23/04 11:15 Order #:
S	TINU	RESULT	ÞÕT	ANALYTE
				DATE ANALYZED : 10/06/04 ANALYTICAL DILUTION: 1.00
	ng\r	U 02.0	09.0	SLAKENE
	ne\r	U 02.0	05.0	1,1,2,2-TETRACHLOROETHANE
	ne\r	U 02.0	02.0	1,1,2,2-TETRACHLOROETHANE
	ne\r	U 02.0	02.0	TOLUENE TETRACHLOROETHENE
	nc\r nc\r	U 02.0	02.0	I'S'4-TRICHLOROBENZENE
	AG\F AG\F	U 02.0 U 02.0	02.0 02.0	I'S'3-TRICHLOROBENZENE
	ng\r nc\r	U 02.0	05.0	1,1,1-TRICHLOROETHANE
	ng/r	U 02.0	02.0	I,I,2-TRICHLOROETHANE
	ne\r	0.50 U	05.0	TRICHLOROETH <b>ENE</b>
	ne\r	U 02.0	05.0	TRICHLOROFLUOROMETHANE
	ne\r	U 02.0	05.0	1,2,3-TRICHLOROPROPANE
	ne\r	U 02.0	05.0	1,3,5-TRIMETHYLBENZENE
	ne\r	U 02.0	02.0	1,2,4-TRIMETHYLBENZENE
	ne\r	U 02.0	02.0	NID XXI ENE
	ne\r	U 02.0	02.0	O-XATENE W+b-XATENE
	nc\r	U 02.0	02.0	

(% 051 - 07)

**OC LIMITS** 

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10/01/0¢ 11:30

Beboxceq: 10/13/04

Project Reference: MAMARONECK Shaw/Emcon/OWT

Client Sample ID : SMH #6

	ix: WATER	Sample Matr			redro notasimdus	17:20	Date Sampled: 09/24/04
DILUTION	TIME GENYJANA	DATE PANALYZED	STINU	KESOLT	ÞÖF	WELHOD	ATYJANA
0.Ι	9T:60	₹0/82/60	WG\r	U 0020.0	0.050.0	320.1	AINOMMA
0'Τ	00: <b>₽T</b>	\$0/\f2/60	WG/F	U 00.S	00.2	1.804	BOD-2
ο.οτ	6E:EI	\$0/\$Z/60	WG/P	U 00.1	001.0	0.00£	BEOWIDE
0.τ	00:ET	₽0/0€/60	WG/P	U 00.2	00.2	P.OIP	CHEWICAL OXYGEN DEMAND
0.01	6E:ET	\$0/\$\d	WG/F	6.06	002.0	300.0	CHTOKIDE
0.01	6ε:ετ	09/24/04	WG\F	92.3	0050.0	0.005	NITRATE NITROGEN
o.or	εε:ετ	00/54/04	WG/I	€.65	002.0	0.008	STATUS
о.т	13:00	09/28/0 <del>4</del>	WG\r	₹ST	00.2	I.OIE	TOTAL ALKALINITY
ο.τ	05:60	₱0/8Z/60	WG\r	363	0.01	τ.091	LOLYT DISSOPAED SOPIDS
ο.τ	00:60	₹0/₹0/OT	WG\F	<b>ይ</b> ቀረ	00.2	130.2	TOTAL HARDNESS
0.5	00:60	\$0/6Z/60	WG\F	U 001.0	002.0	S.IZ£	TOTAL KJELDAHL NITROGEN
σ.Ι	21:16	₹0/८८/60	WC\r	75.1	1.00	0906	TOTAL ORGANIC CARBON
0.τ	21:25	₱0/LZ/60	WG\r	₽₽°T	00.Ι	0906	TOTAL ORGANIC CARBON
0.τ	77:34	₱0/LZ/60	WG\r	S₱'兀	00.I	0906	TOTAL ORGANIC CARRON
ο.τ	57:44	\$0/LZ/60	WG\P	ε <del>ν</del> .Ι	00.I	0906	TOTAL ORGANIC CARRON
0 · T	08:11	₹0/t0/0t	WG\T	U 00200.0	0.000.0	9906	TOTAL PHENOLICS

COLUMBIA ANALYTICAL SERVICES

Reported: 10/19/04

Client Sample ID : SMH #6 Spaw/Emcon/OWT

·····							
ο.τ	#0/S0/0T	WG/I	U 0020.0	0020.0	E010B	NG.	IIZ
O'T	70/02/0 <del>1</del>	WG\I	2.48	002.0	E0109	DIOM	IOS
σ.τ	70/02\0 <del>4</del>	WG\I	16.5	00.S	<b>E010B</b>	MUISSAT	DO
σ.τ	40/82/60	WG\T	U 00E000.0	005000.0	A0747	BCURY	ME
J.0	70/97/0 <del>1</del>	WG\I	6T\$0.0	0.010	<b>2010B</b>	NGVNEZE	1AM
σ'τ	70/90/0T	WG\r	₽.9Z	002.0	<b>0010B</b>	RAESIOM	)AM
σ.τ	10/02/04	WG\r	U 00200.0	00200.0	<b>E010B</b>	αA	PE7
1.0	70/02/0 <del>1</del>	WG\r	U 001.0	001.0	8010B	NC	IEC
σ.τ	70/02 t	WG/r	U 0020.0	0.020	9010B	ььек	COL
σ'τ	10/02\0 <del>4</del>	WG\r	<b>S</b> .88	005.0	E0109	rcinw	CFI
J.0	T0/90/0T	WG/F	U 00800.0	00500.0	E0109	WAIWG	CAI
0.τ	TO\02\0 <del>4</del>	WG\F	Ω 0010 0	0010.0	E010B	RENIC	3AA
DIFUTION	DATE DATED	STINU	RESULT	ÞŐP	WELHOD	ALYTE	1A
:	Sample Matrix: WATER		#: F2423097 #: 760667	Order noissimdus	05:TT	te Sampled: 09/24/04	
		<del></del>					

### Reported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Shaw/Emcon/OWT

Project Reference: MAMARONECK

	Sample Matrix: Analytical Run			11:50 Order Submission		sampled : Received:	
STINU	KESNLT	ПÕа				'XTE	IANA
			ii.	00.1 40/30/0		ANALYZED AT	
NG\F NG\F NG\F	U 02.0 U 02.0 U 02.0	02.0 02.0 02.0			ENA	BENZENE	
NG\F NG\F	U 02.0 U 02.0	09 0 09 0				DICHPOKOWE CHPOKOWELH	

ne\r	Ω	05.0	05.0
NG\F	Ω	05.0	05.0
ng\r	Ω	02.0	02.0
nc\r	Ω	02.0	05.0
nc\r	Ω	02.0	05.0
nc\r	U	05.0	05.0

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U 02.0

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1/2011	1.1	07 0	09 0
NG\F	Ω	05.0	09.0
ne\r	Ω	09.0	05.0
n <del>c</del> \r	Ω	09.0	05.0
ne\r	Ω	05.0	05.0
m /eo	0	00:0	00.0

NG\F	U 02.0	05.0
ng\r	U 02.0	05.0
ng\r	U 02.0	09.0
NG\F	U 02.0	05.0
NG\F	U 02.0	05.0
NG\F	U 02.0	09.0
ng\r	U 02.0	09.0
NG\F	U 02.0	09.0

4, 511			
nc\r	U (	0.5(	05.0
NG\F	$\Omega$	0.50	09.0
ng\r	n o	9.50	05.0
nc\r	n (	)S'0	02.0
ng\r	n c	)S'0	05.0
ng\r	n o	0.5(	05.0
NG\F	$\mathbf{n}$	0.50	02.0
ng\r	$\mathbf{n}$	0.50	05.0
ng\r	$\Omega$	0.50	02.0

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SLHAPBENZENE
CIS-1'3-DICHPOKOBKOBENE
LKWR2-I'3-DICHTOKOBKOBERE

contract of the contract
ELHAPBENZENE
CIR-1'3-DICHPO
TICTO CAT CAMEDIT

N-PROPYLENZENE

ELHKUBENZENE
CIR-1'3-DICHD
THE STEELS

-DICHP	٤,	Τ-	S	CI
'3-DIC	T-	SN	Æ	LŁ
TOMOTTI I	~ T	CT	T	<b>/</b> T

1,3-DICHLOROPROPAUE I'S-DICHPOROPROPAUE S'S-DICHPOROPROPAUE GIS-1'S-DICHPOROETHENE TRANS-1,2-DICHLOROETHENE

> I'I-DICHPOBOELHENE I'S-DICHPOROETHANE I'I-DICHPOROETHANE

I'S-DICHPOROBENZENE

I'S-DIBKOWOELHYME DIBROMOCHLOROMETHANE

DIBROMOMETHANE

4 - CHPOKOLOPOENE S-CHPOKOLOPOEME

CHLOROMETHANE

CHLOROETHANE

BROMOMETHANE

BROMOFORM

CHPOKOBENZENE

N-BOLATBENZENE

SEC-BOLKTBENZENE

LEKL-BOLKPBENZENE

TERT-BUTYL ALCOHOL

CARBON TETRACHLORIDE

WEIHAT-IEKI-BOIAT EIHEK

CHLOROFORM

DICHPORODIFLUOROMETHANE I'3-DICHPOKOBENZENE I'4-DICHPOKOBENZENE

I'S-DIBKOWO-3-CHPOKOPROE

CIR-1'3-DICHPOKOBKOI
TRAUS-1,3-DICHLOROPI
I'I-DICHPOROPROPENE

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-DICH	٤,	Ţ-	SID	)
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# Keported: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL **NOPYLIFE ORGANICS**

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NG\F

Sysw/Emcon/OWT

J'S-DICHPOKOBENZENE-D4

SURROGATE RECOVERIES

1'S' 4-LKIWELHATBENSENE

BEOMOLTOOKOBENZENE

O-XAPENE

W+b-XAPENE

AINAT CHPOKIDE

	: GI əlqms	
MAMARONECK	Reference:	Project

AATAW 224601			ste Sampled : 09/24/04 11:50 Order #:
STINU	RESULT	ьŏг	AUALYTE
			DATE ANALYZED : 10/06/04 ANALYTICAL DILUTION: 1.00
NG\F	U 02.0	05'0	ELAKENE
ng\r	U 02.0	03.0	[, 1, 1, 2 - TETRACHLOROETHANE
ne\r	$\sigma_{0000}$	09.0	., l, S, S - TETRACHLOROETHANE
ne\r	U 02.0	02.0	JOI TIEVIE
NG\F	U 02.0	02.0	``S`4-LKICHPOKOBENSENE COPOENE
ne\r	U 02.0	02.0	'\S'3-IKICHTOKOBENZENE
ne\r	U 02.0	02.0	1,1,1-TRICHLOROETHANE
ne\r	0.50 U	02.0 02.0	, 1, 2-TRICHLOROETHANE
AG\F AG\F	U 02.0 U 02.0	05.0	KICHTOKOETHENE
ne\r	U 02.0	05.0	KICHLOROFLUOROMETHANE
ne\r	U 02.0	05.0	'S'3-TRICHLOROPROPANE
			'3'2-LKIWELHATBENSENE
ne\r	U 02.0	05.0	3,5-TRIMETHYLBENZENE

(% OET -

(% OET -

08.0

05.0

05.0

05.0

OC LIMITS

OL)

OL)

## Keported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

RESULT

Analytical Run 109455

Sample Matrix: WATER

ЬŐГ

Submission #: R2423097

Order #: 760668

STIMU

Spaw/Emcon/OWT

DATE ANALYZED

Date Received: 09/24/04

Date Sampled: 09/23/04

ANALYTE

LKIB BUYNK	Client Sample ID :
MAMARONECK	Project Reference:

#0/90/0I :

1,3-DICHLOROBENZENE       0.50         DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,1-DICHLOROETHENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         2,5-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         2,5-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         2,5-DICHLOROPROPENE       0.50         3,5-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         2,5-DICHLOROPROPENE       0.50         3,5-DICHLOROPROPENE       0.50         4,5-DICHLOROPROPENE       0.50         5,5-DICHLOROPROPENE       0.50         6,50       0.50         7,7-DICHLOROPROPENE		U 02.0	ne\r ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHENE       0.50         1,2-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPRO			T/90	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHRANE       0.50         1,1-DICHLOROETHENE       0.50         1,2-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,5-DICHLOROPRO	03 0	U 02.0	1/ 1/11	7
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHANE       0.50         1,1-DICHLOROETHENE       0.50         1,1-DICHLOROPROPENE       0.50         2,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,5-DICHLOROPROPENE       0.50         1,5-DICHLOROPROP		U 02.0	ne\r	TE
1.1 - DICHLORODIFLUOROMETHANE   0.50   0.5		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHENE       0.50         1,2-DICHLOROFROFENE       0.50         1,2-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50         20.50       0.50		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         2,2-DICHLOROPROPENE       0.50         2,3-DICHLOROPROPENE       0.50         3,2-DICHLOROPROPENE       0.50         4,3-DICHLOROPROPENE       0.50         5,2-DICHLOROPROPENE       0.50         6,50       0.50         6,50       0.50         7,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         2,2-DICHLOROPROPENE       0.50         2,2-DICHLOROPROPENE       0.50         2,3-DICHLOROPROPENE       0.50         2,3-DICHLOROPROPENE       0.50         2,3-DICHLOROPROPENE       0.50         3,3-DICHLOROPROPENE       0.50         4,3-DICHLOROPROPENE       0.50         5,7-DICHLOROPROPENE       0.50         6,50       0.50         6,50       0.50         7,1-DICHLOROPROPENE       0.50         1,1-DICHLOROPROPENE       0.50         1,2-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50         1,3-DICHLOROPROPENE       0.50		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHENE       0.50         1,2-DICHLOROETHENE       0.50         2,2-DICHLOROETHENE       0.50         1,3-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPA		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHENE       0.50         1,2-DICHLOROETHENE       0.50         2,2-DICHLOROETHENE       0.50         2,2-DICHLOROETHENE       0.50         2,2-DICHLOROETHENE       0.50         1,2-DICHLOROETHENE       0.50         2,2-DICHLOROETHENE       0.50         1,3-DICHLOROEROENE       0.50         1,1-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,1-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         2,2-DICHLOROPROPANE       0.50         2,3-DICHLOROPROPANE       0.50         3,4-DICHLOROPROPANE       0.50         4,7-DICHLOROPROPANE       0.50         5,7-DICHLOROPROPANE       0.50         6,7-DICHLOROPROPANE       0.50         7,7-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE       0.50         1,2-DICHLOROPROPANE <td></td> <td>U 02.0</td> <td>ne\r</td> <td></td>		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHENE       0.50         1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50         1,3-DICHLOROPROPANE       0.50		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         TRAUS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         TRAUS-1,2-DICHLOROETHENE       0.50         TRAUS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROPROPANE       0.50         CIS-1,2-DICHLOROPROPANE       0.50         DICHLOROPROPANE       0.50         DICHLOROPROPANE       0.50		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,1-DICHLOROETHENE       0.50         T,1-DICHLOROETHENE       0.50         TRANS-1,2-DICHLOROETHENE       0.50         TRANS-1,3-DICHLOROETHENE       0.50		U 02.0	ng\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,1-DICHLOROETHENE       0.50         1,1-DICHLOROETHENE       0.50         TRAUS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50         CIS-1,2-DICHLOROETHENE       0.50		U 02.0	ne\r	
DICHLORODIFLUOROMETHANE       0.50         1,1-DICHLOROETHANE       0.50         1,2-DICHLOROETHANE       0.50         TRANS-1,2-DICHLOROETHANE       0.50         TRANS-1,2-DICHLOROETHANE       0.50		U 02.0	ng\r	
I, I-DICHLOROBITHENE       0.50         I, I-DICHLOROETHANE       0.50         I, I-DICHLOROETHANE       0.50         I, I-DICHLOROETHANE       0.50				
I.S-DICHLORODIFLUOROMETHANE       0.50         I.S-DICHLOROETHANE       0.50         O.SO       0.50		U 02.0	ng\r	
I, I-DICHLORODIFLUOROMETHANE0.501, I-DICHLOROETHANE0.50		U 02.0	ne\r	
DICHTOKODIETNOKOMETHANE 0.50		u oa.o	ne\r	
		U 02.0	ng\r	
09.0		U 02.0	ue\r	•
	09.0	U 02.0	ng\r	
1,4-DICHLOROBENZENE 0.50		U 02.0	ng\r	
J'S-DIGHTOKOBENZENE 0.50		U 02.0	ng\r	
DIBROMOMETHANE 0.50		U 02.0	ne\r	
I, 2-DIBROMOETHANE 0.50		U 02.0	ne\r	
DIBROMOCHLOROMETHANE 0.50	05.0	U 02.0	nc\r	
₫-CHTOKOTOLUENE	05.0	U 02.0	nc\r	
S-CHLOROTOLUENE 0.50	05.0	U 02.0	ne\r	
1,2-DIBROMO-3-CHLOROPROPAUE 0.50	05.0	U 02.0	nc\r	
CHLOROMETHANE 0.50	05.0	U 02.0	nc\r	
CHLOROFORM 0.50		U 02.0	ne\r	
CHLOROETHAUE 0.50		U 02.0	ne\r	
CHLOROBENZENE 0.50		U 02.0	ne\r	
CARBON TETRACHLORIDE 0.50		U 02.0	ne\r	
The state of the s		U 02.0	ne\r	
		U 02.0	ne\r ne\r	
		U 02.0	ne\r ne\r	
		U 02.0	ne\r	
		0 0Z 0	ne\r	
TOTAL TIME COLUMN		U 02.0	ng\r	
			nd\r ne\r	
BROMOFORM 0.50		0.50 U	ne\r	
BROMODICHLOROMETHANE 0.50		U 08.0		
BROMOCHLOROMETHANE 0.50		U 08.0	nd\r	
BKOWOBENZENE 0.50		U 02.0	ne\r	
BENZENE 0.50	05.0	U 02.0	ng\r	

# Keported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

U 02.0

U 02.0

ng\r

NG/F

Shaw/Emcon/OWT

Client Sample ID : TRIP BLAUK Project Reference: MAMARONECK

J'S' 4-LKICHPOKOBENZENE

LOPPLEME

te Sampled: 09/24/04 Submissio			KS∜S303∆ 100008	Sample Matrix: Analytical Run	
ALYLE	· <b>-</b> ··-		ьбг	RESULT	STINU
ATE ANALYZED : 10/06/04 NALYTICAL DILUTION: 1.00					· · · · · · · · · · · · · · · · · · ·
I'I'S-LELKYCHPOKOELHYNE			02.0	U 02.0	ng/r
ETRACHLOROETHANE			02.0 02.0	U 02.0 U 02.0	ne\r ne\r
		05.0	U 02.0	NG\F	

05.0

05.0

I'S-DICHPOKOBENZENE-D¢ BKOWOŁPNOKOBENZENE	(70 - 130		66 #8	& &
SURROGATE RECOVERIES	ŎC FIWILZ			
O-XAPENE		05.0	U 02.0	ne\r
W+b-XXPENE		05.0	U 02.0	ne\r
AIMAT CHTOKIDE		02.0	U 02.0	ne\r
J'S' 4-LKIWELHKIBENSENE		05.0	U 02.0	ne\r
1,3,5-TRIMETHYLBENZENE		05.0	U 02.0	ne\r
1,2,3-TRICHLOROPROPAUE		05.0	U 02.0	ne\r
LKICHPOKOŁPNOKOW <b>ETHA</b> NE		05.0	U 02.0	ne\r
LKICHPOKOETHENE		02.0	U 02.0	ne\r
1,1,2-TRICHLOROETHANE		0.50	U 02.0	ng\r
1,1,1-TRICHLOROETHANE		05.0	U 02.0	ne\r
J'S'3-LKICHPOKOBENZENE		05.0	U 02.0	ne\r

## Reported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Analytical Run 109455

Sample Matrix: WATER

NG\F

ng\r

ng\r

 $\Omega$ C $\Gamma$ 

33

U 02.0

U 02.0

U 02.0

U 02.0

05.0

09.0

05.0

05.0

broject Reference: MAMARONECK

Shaw/Emcon/OWT

N-PROPYLBENZENE

WEIHATENE CHTOKIDE

**B-ISOBKODXLTOTNEME** 

NAPHTHALENE

Client Sample ID : MW-25 #7

Date Received: 09/24/04 Submission #: R2423097

Date Sampled: 09/23/04 13:06 Order #: 761351

	STINU	RESOLT	ъбг	ALYLATE
				DATE ANALYZED : 10/06/04 ANALYTICAL DILUTION: 1.00
	1/ 1/11	11 03 0	0 20	BENZENE
	ne\r ne\r	U 02.0 U 02.0	02.0 03.0	BEOMOBENZENE
	ng\r	U 02.0	06.0	BROMOCHLOROMETHANE
	nG\r ng\r	U 02.0	06.0	BROMODICHLOROMETHANE
			08.0	BKOWOŁOKW
	ne\r	U 02.0		BROMOMETHANE
	ng/r ng/r	U 02.0	02.0 02	TERT-BUTYL ALCOHOL
	ng\r ng\r	3 0 S E	05.0	WEIHAT-IEKI-BOIAT EIHEK
	ng\r ng\r	320 E		TERT-BUTYLBENZENE
	ne\r	U 02.0	02.0	SEC-BOLLTBENZENE
	ng\r	U 02.0	02.0	N-BOLLTBENZENE
	nd\r ne\r	U 02.0	02.0	CARBON TETRACHLORIDE
	ne\r	U 02.0	02.0	CHTOKOBENZENE
	ne\r ne\r	U 02.0	02.0	CHTOROETHANE
•	ne\r	U 02.0	02.0	CHTOKOE LINEAR
	ne\r	U 02.0	02.0	
	ne\r	0.50 U	02.0	CHLOROMETHANE  CHLOROMETHANE
	ne\r	U 02.0	02.0	1,2-DIBROMO-3-CHLOROPROPAUE
	ng\r	U 02.0	03.0	S-CHLOROTOLUENE
	ng\r	U 02.0	03.0	PIBEOMOGHI OPONEMIVIE
	ng\r	U 02.0	02.0	DIEROMOCHLOROMETHANE
	ne\r	U 02.0	05.0	I, 2 - DIBROMOETHANE
	ne\r	U 02.0	05.0	DIBROMOMETHANE
	ne\r	U 02.0	05.0	1, 2-DICHLOROBENZENE
	ne\r	$\sigma$ os.o	09.0	1,4-DICHLOROBENZENE
	ne\r	U 02.0	05.0	J'3-DICHPOBOBENZENE
	ng\r	U 02.0	09.0	DICHLORODIFLUOROMETHANE
	ne\r	U 02.0	05.0	I, I-DICHLOROETHANE
	NG\F	U 02.0	05.0	1, 2-DICHLOROETHANE
	ne\r	U 02.0	05.0	T, I-DICHLOROETHENE
	ng\r	U 02.0	05.0	TRANS-1, 2-DICHLOROETHENE
	ne\r	U 02.0	05.0	CIS-1,2-DICHLOROETHENE
	ne\r	U 02.0	05.0	S, S-DICHLOROPROPAUE
	NG\F	U 02.0	05.0	I, S-DICHLOROPROPAUE
	ne\r	U 02.0	05.0	I, 3-DICHLOROPROPAIR
	nc\r	U 02.0	03.0	T'I-DICHPOKOBKOBENE
	nc\r	U 02.0	05.0	TRANS-1,3-DICHLOROPROPEUE
	nc\r	U 02.0	05.0	GIS-1,3-DICHLOROPROPENE
	NG\F	U 02.0	05.0	HEAVEN OF THE PERSON OF THE PE
	ng\r	U 02.0	05.0	HEXACHLOROBUTADI ENE
	ne\r	U 02.0	02.0	D ISODBODNI WOITENE
	.1/ DII	11 03 0	05 0	B-IZOBKOBXLTOPNEME

## Keported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Spaw/Emcon/OWT

I'S-DICHPOKOBENZENE-D4

SURROGATE RECOVERIES

I'S' 4-LKIWELHATBENZENE

I'3'2-IKIWELHAPBENSENE

BEOMOETOOROBENZENE

O-XXPEME

W+b-XXPENE

AINAT CHPOKIDE

Client Sample ID : MW-25 #7 **Droject Reference: MAMARONECK** 

	Ste Sampled : 09/2 Ste Received: 09/2
PQL RESULT	PANALYTE
00.1 : No	DATE ANALYZED ANALYTICAL DILUTIO
0.50 0.50 U	RAKENE
ETHANE 0.50 U.50 U	', 1, 1, 2 - TETRACHLORO
ETHANE 0.50 0.50 U	, 1, 2, 2 - TETRACHLORO
U 02.0 02.0	ETRACHLOROETHENE
U 02.0 02.0	OF DENE
	,2,3-TRICHLOROBENZ
	, i, i - TRICHLOROETHA
	, I, 2-TRICHLOROETHA
. n osto osto	<b>KICHPOROETHENE</b>
0.50 02.0 $0.50$	<b>KICHPOKOŁPNOKOWETH</b>
0.50 0.50 0.50	'S'3-TRICHLOROPROP.

(% OET -

(% OET -

09.0

09.0

05.0

05.0

09.0

OC LIMITS

OL)

04)

왕

윙

ng\r

NG\F

NG\F

ng\r

ng\r

68

68

U 02.0

U 02.0

U 02.0

U 02.0

68.0

# WETHOD 524.2 DRINKING WATER VOLATIL NOPPLILE ORGANICS

Keported: 10/19/04

Shaw/Emcon/OWT

ANALYTICAL DILUTION:

Project Reference: MAMARONECK

				<del>.</del>	70/L0/	OT :	GENTANA 3	TAG
STINU	KESOLT	ÞÕľ					JALE	IANA
	Sample Matrix: V Analytical Run		mpled: 09/23/04 13:06 Order #:					
					Z# SZ	-WM : CII	ent Sample	GJT

10.00

NG\P	U 0.2	05.0	N-BYOBATBENZENE
nc\r oo	U 0.2	09.0	NAPHTHALENE
ng/r 32	U 0.2	05.0	WELHATERE CHPOKIDE
na\r	U 0.2	05.0	b-ISOPROPYLOLUENE
ne\r	U 0.2	05.0	ISOPROPRIENZENE
AG\F	U 0.8	05.0	HEXACHLOROBUTADIENE
ne\r	U 0.2	05.0	ELHATBENZENE
ne\r	U 0.2	09.0	CIS-1,3-DICHLOROPROPENE
ne\r	U 0.2	02.0	TRANS-1,3-DICHLOROPROPENE
ne\r	U 0.2	05.0	I'I-DICHTOKOBKOBENE
ng\r	U 0.2	05.0	I'3-DICHPOKOBKOBYNE
ne\r	U 0.2	05.0	I'S-DICHTOKOPROPAUE
na\r	U 0.2	05.0	S, S-DICHLOROPROPAUE
ne\r	U 0.2	05.0	CIS-1,2-DICHLOROETHENE
na\r	U 0.2	05.0	TRANS-1, 2-DICHLOROETHENE
ng\r	U 0.2	05.0	J'I-DICHPOKOETHENE
naļr	U 0.2	05.0	I'S-DICHPOKOETHANE
nc\r	U 0.2	05.0	1,1-DICHLOROETHANE
ne\r	U 0.2	05.0	DICHLORODIFLUOROMETHANE
ng\r	U 0.a	05.0	T'3-DICHPOKOBENZENE
ng\r	U 0.2	05.0	I'4-DICHPOKOBENZENE
ng\r	U 0.2	05.0	T'S-DICHPOKOBENZENE
ng\r	υ 0.2	09.0	DIBKOMOMETHANE
7/5A	u o.a	09.0	I'S-DIBKOWOETHANE
ng\r	D 0.2	09.0	DIBKOWOCHPOKOWETHANE
nc\r nc\r	U 0.2	09:0	4 - CHTOKOLOPINENE
ne\r	U 0.2	09:0	S-CHTOROTOLUENE
NG\F NG\F	u 0.a	05.0	I,2-DIBROMO-3-CHLOROPROPAUE
ng\r ng\r	D 0.6	05.0	CHLOROMETHANE
ng/r	U 0.2 U 0.2	05.0	CHLOROFORM
ne\r	U 0.2	05.0 05.0	CHPOKOETHANE
ne\r	U 0.2	02.0	CHPOKOBENZENE
ng\r	U 0.2	02.0	CARBON TETRACHLORIDE
ng\r ng\r	U 0.2	02.0	N-BOLKTBENZENE
ne\r	U 0.2	03.0	SEC-BUTYLEENZENE
nc\r nc\r	098	02.0	TEKT-BUTZLBENZENE
ne\r ne\r	200 U	02	WEIHAR-IEKI-BOLAR EIHEK
ne\r ne\r	U 0.2	02.0	LEKT-BUTYL ALCOHOL
nc\r nc\r	U 0.2	02.0	BEOMOMETHAUE
nd\r ne\r	U 0.2	03.0	BKOWOŁCKIECKOWE LIEWE
ng\r ng\r	U 0.2	02.0	BKOWODICHPOKOMETHANE
ng\r ng\r	U 0.2	03.0	BROMOCHLOROMETHANE
ng\r ng\r	U 0,2	02.0	PKOWOPENSE/NE PENSE/NE
~/ ~~*	0	0 L 0	BENZENE

# Reported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

Shaw/Emcon/OWT

Client Sample ID : MW-25 #7 **broject Reference: MAMARONECK** 

	1/ 011	11 0	<b>0 3 0</b>		arecando
				00°0T +0/L0/0	 DATE ANALYZED ANALYZED
<u> </u>	STINU	RESULT	ьбг		TTYJANA
		Sample Matrix: Analytical Run			Date Sampled : Date Received:

I'S-DICHTOKOBENSENE-D4 BKOWOŁINOKOBENSENE	02T - 07)	· ·	20T	્ર ૧૦
SOUR RECOVERIES	ĞÇ PIWILE			
O-XAPENE		05.0	u o.a	ne\r
W+b-XXPENE		05.0	u o.a	ne\r
AINAF CHPOKIDE		09.0	u o.a	ne\r
I'S' - LKIWELHKIBENSENE		05.0	u o.a	ne\r
T'3'2-LKIWELHKIBENSENE		05.0	U 0.2	ng\r
I'S'3-TRICHLOROPROPANE		05.0	U 0.2	ne\r
<b>TRICHLOROFLUOROMETHANE</b>		05.0	U 0.2	ng\r
LKICHTOKOELHENE		05.0	U 0.2	ne\r
I'I'S-LKICHPOKOELHYNE		05.0	U 0.2	ne\r
I, I, 1-TRICHLOROETHANE		05.0	u o.a	NG\F
I'S'3-LKICHPOKOBENZENE		05.0	u o.a	NG\P
I'S'4-LKICHPOKOBENZENE		0.50	U 0.2	nc\r
LOPOENE		09.0	U 0.2	ng\r
<b>LETRACHLOROETHENE</b>		05.0	U 0.2	ng\r
I'I'S'S-TETRACHLOROETHANE		0.50	U 0.2	NG\F
I, 1, 1, 2-TETRACHLOROETHANE		05.0	U 0.8	ng\r
SLAKENE		09:0	U 0.2	ne\r

CAS Submission #: R2423097 Client: Shaw/Emcon/OWT MAMARONECK

# BLANK SPIKES

0.0200 U	0.0100 U	0.500 U	0.00500 U	0.100 U	0.0200 U	0.500 U	0.00500 U	0.0100 U	0.000300 U	BLANK
0.536	0.510	1.98	0.511	1.06	0.265	2.08	0.0520	0.0377	0.00105	FOUND
0.500	0.500	2.00	0.500	1.00	0.250	2.00	0.0500	0.0400	0.00100	ADDED
107	102	99	102	106	106	104	104	94	105	% REC
80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	LIMITS
108997	108997	108997	108997	108997	108997	108997	108997	108997	108721	RUN
MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UNITS

ZINC

48

MANGANESE

MAGNESIUM

LEAD

IRON

COPPER

CALCIUM

CADMIUM

ARSENIC

MERCURY

CAS Submission #: R2423097 Client: Shaw/Emcon/OWT MAMARONECK

# BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
IRON	0.100 U	1.11	1.00	рй  3  1	80 - 120	109007	MG/L
POTASSIUM	2.00 U	21.4	20.0	107	80 - 120	109007	MG/L
SODIUM	0.500 U	21.8	20.0	109	80 - 120	109007	MG/L
BOD-5	2.00 U	211	200	106	83 - 114	108593	MG/L
CHLORIDE	0.200 U	2.00	2.00	100	90 - 110	108638	MG/L
SULFATE	0.200 U	1.97	2.00	99	90 - 110	108639	MG/L
BROMIDE	0.100 U	1.00	1.00	100	90 - 110	108640	MG/L
NITRATE NITROGEN	0.0500 U	0.985	1.00	99	90 - 110	108641	MG/L
TOTAL ORGANIC CARBON	1.00 U	10.1	10.0	101	82 - 111	108668	MG/L
CHLORIDE	0.200 U	2.09	2.00	105	90 - 110	108671	MG/L

CAS Submission #: R2423097 Client: Shaw/Emcon/OWT MAMARONECK

# BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
TOTAL DISSOLVED SOLIDS	10.0 U	890	901	99	80 - 120	108698	MG/L
TOTAL KITLDAUL NITTOOGEN		)	1				
TOTAL KJELDAHL NITROGEN	0.200 U	2.25	2.50	90	63 - 117	108703	MG/L
TOTAL ALKALINITY	2.00 U	19.7	20.0	99	92 - 109	108704	MG/L
AMMONIA	0.0500 U	0.507	0.500	101	90 - 110	108706	MG/L
CHLORIDE	0.200 U	2.09	2.00	104	90 - 110	108719	MG/L
CHEMICAL OXYGEN DEMAND	5.00 U	22.0	25.0	88	75 - 124	108795	MG/L
TOTAL PHENOLICS	0.00500 U	0.0381	0.0400	95	84 - 114	108831	MG/L
TOTAL HARDNESS	2.00 U	19.9	20.0	100	91 - 114	108871	MG/L

#### WETHOD: 524.2 DEINKING WATER VOLATILES

#### LABORATORY CONTROL SAMPLE SUMMARY

COLUMBIA ANALYTICAL SERVICES

70 - 130	06	00.2	b-ISObkobatlopnene
061 - 07	68	2,00	ISODKODKPBENZENE
70 - 130	LTT	00,2	HEXACHLOROBUTADIENE
70 - I30	28	2.00	ELHAPBENSENE
70 - 130	28	2.00	CI2-T'3-DICHPOKOBKOBENE
0EI - 07	98	2.00	TRANS-1,3-DICHLOROPROPENE
06I - 07	98	00.2	I'T-DICHPOKOBKOBENE
0ET - 0L	68	2.00	I'3-DICHPOKOPROFA
061 - 07	۷8	2.00	I'S-DICHPOKOPROE
0ET - 0L	06	2.00	S'S-DICHPOKOPROE
061 - 07	۲8	2.00	CIS-I'S-DICHPOKOELHENE
0ET - 07	88	2.00	TRAUS-1, 2-DICHLOROETHENE
061 - 07	T00	2.00	I'I-DICHPOKOELHEME
70 - 130	88	00.S	I'S-DICHPOBOETHANE
061 - 07	88	00.2	I'I-DICHPOKOELHYME
70 - 130	₹8	00.2	DICHPOKODIŁPNOKOWETHANE
08T - 0L	<b>5</b> 6	00.2	I'3-DICHPOKOBENZENE
0ET - 0L	96	00.2	I' 4-DICHPOKOBENZENE
081 - 07	T6	00.2	I'S-DICHPOKOBENZENE
0ET - 0L	88	00.2	DIBKOMOMETHANE
0ET - 04	68	00.2	1,2-DIBROMOETHANE
0ET - 0L	98	00.2	DIBROMOCHLOROMETHANE
0ET - 04	<del>7</del> 6	00.2	4 - CHTOKOLOFNEME
0ET - 04	<del>1</del> 6	2.00	S-CHTOKOLOTOENE
0ET - 04	96	00.S	I'S-DIBKOWO-3-CHPOKOPROF
0ET - 0L	96	2.00	CHPOROMETHANE
0ET - 0L	T6	2.00	CHPOKOŁOKW
0ET - 0L	88	2.00	CHLOROETHAUE
0ET - 0L	06	00.2	CHTOKOBENZENE
081 - 04	88	2.00	CARBON TETRACHLORIDE
0ET - 0L	08	00.2	N-BOLKPENSENE
0ET - 0L	88	00.S	REC-BOLKTBENZENE
0ET - 0L	48	00.2	LEKT-BUTYLBENZENE
061 - 07	06	00.S	WETHYL-TERT-BUTYL ETHER
0ET - 0L	16	0.04	TERT-BUTYL ALCOHOL
0ET - 0L	86	2.00	BROMOMETHANE
081 - 04	28	2.00	ВКОМОЕОКИ
061 - 07	68	2.00	BEOMODICHLOROMETHANE
081 - 04	44	2.00	ВКОМОСНГОКОМЕТНАМЕ
0ET - 04	76	2.00	- BEOMOBENZENE
081 - 04	88	2.00	BENZENE
			ANALYTICAL DILUTION: 1.0
			DATE ANALYZED : 10/ 6/2004
OC PINITS	% KECONEKA	TRUE VALUE	PAPLYTE
99460T	CAL RUN # :	ITYJANA	REFERENCE ORDER #: 767327

#### WETHOD: 524.2 DRINKING WATER VOLATILES

#### LABORATORY CONTROL SAMPLE SUMMARY

	02T - 07 07 - 07	78 78	4.00 2.00	O-XAFENE W+b-XAFENE
	08T - 07	٤6	00.S	AINAT CHTOSIDE
	70 - 130	٤8	00.2	I'S' 4-LKIWELHALBENZENE
	08T - 0L	٤6 أ	2.00	I'3'P-IKIWEIHKIBENZENE
	08T - 07	<i>L</i> 6	2.00	I'S'3-LKICHPOKOBKOBYNE
	70 - 130	88	00.S	TRICHLOROFLUOROMETHANE
	08T - 07	88	2.00	LKICHPOKOETHENE
	08T - 07	68	2.00	I'I'S-TRICHLOROETHANE
	70 - 130	28	2.00	I'I'I-TRICHLOROETHANE
	70 - 130	96	2.00	I'S'3-LKICHPOKOBENZENE
	70 - 130	96	00.2	I'S' 4-LKICHPOKOBENZENE
	0ET - 0L	68	2.00	LOTOEME
	08T - 07	98	00.2	<b>TETRA</b> CHLOROETH <b>ENE</b>
	08T - 07	76	00.2	I, I, 2, 2-TETRACHLOROETHANE
	0ET - 0L	68	00.2	I, I, I, 2-TETRACHLOROETHANE
	70 - 13,0	08	00.2	SLAKENE
	70 - 130	06	00.2	N-PROPYLENE
	70 - 130	68	00.2	NAPHTHALEN <b>E</b>
	06I - 07	τ6	2.00	WELHATENE CHPOKIDE
				ANALYTICAL DILUTION: 1.0
				DATE ANALYZED : 10/ 6/2004
=				VOUCYS / OL - CAZKIVNY MAVO
	ÖG PIWILZ	% KECONEKK	AULAV EURT	ANALYTE
	99160T	CAL RUN # :	TYJANA	KEFERHUCE ORDER #: 767327

#### METHOD: 524.2 DRINKING WATER VOLATILES

ANALYTICAL RUN # : 109455

#### LABORATORY CONTROL SAMPLE SUMMARY

KELEKENCE OKDEK #: 181358

10 - I30	66	Z.00	b-ISObkobarlornene
70 - 130	S6	2.00	ISOPROPYLENE
70 - 130	901	00.2	HEXACHLOROBUTADIENE
0ET - 04	£6	00.2	ELHATBENSENE
70 - 130	66	2,00	CIS-1,3-DICHLOROPROPENE
70 - 130	EOT	00.2	TRAUS-1, 3-DICHLOROPROPEUE
70 - 130	96	00.Z	1, 1-DICHLOROPROPERE
0EI - 0L	501	00.S	I, 3-DICHLOROPROPANE
0ET - 0L	001	00.2	1, 2-DICHLOROPROPAUE
0ET - 04	90T	2.00	Z, Z-DICHLOROPROPAUE
0ET - 04	001	00.S	· · · · · · · · · · · · · · · · · · ·
0ET - 04	901	00.S	CIS-1, Z-DICHLOROETHENE
70 - 130	811	00.S	TRANS-1, 2-DICHLOROETHENE
0ET - 0Z	66	00.2	I'I-DICHTOBOETHENE
0ET - 04			1,2-DICHLOROETHANE
0ET - 0L	108	00.2	1,1-DICHLOROETHANE
	110	00.2	DICHPOKODIFLUOROMETHANE
70 - 130	110	2.00	I'3-DICHPOKOBENZENE
70 - 130	708	2.00	I'4-DICHTOKOBENSENE
70 - I30	601	00.5	I'S-DICHPOKOBENZENE
70 - 130	IIS	00.2	DIBKOMOMETHANE
0ET - 0L	OOT	2,00	I'S-DIBKOWOELHYME
70 - 130	ΔΟΤ	2.00	DIBROMOCHLOROMETHANE
70 - 130	₽Oĭ	00.2	← CHPOKOTOLUENE
70 - 130	901	00.2	S-CHPOKOLOPNEME
0ET - 07	06	2.00	I,2-DIBROMO-3-CHLOROPROPAUE
0ET - 04	TIT	00.2	CHLOROMETHAUE
0ET - 04	60T	00.Z	CHLOROFOM
130 - J30	86	00.2	CHLOROETHANE
70 - 130	702	2.00	CHTOKOBENZENE
0ET - 04	₽OT	2.00	CARBON TETRACHLORIDE
0ET - 07	26	2.00	Cybbon Elensene
0ET - 0L	06	2.00	REGERALENE
081 - 07	06	00.2	· · · · · · · · · · · · · · · · · · ·
08T - 0Z	TOT	00.S	TEKT-BUTYLBENZENE
08T - 0Z	108	0.04	WETHYL-TERT-BUTYL ETHER
70 - 130	102	00.2	TERT-BUTYL ALCOHOL
081 - 04	202	00.S	BKOMOMETHANE
70 - 130	₽0T		ВКОМОРОРМ
70 - 130		00.2	BROMODICHLOROMETHANE
	TOT	2.00	BROWOCHTOROMETHANE
70 - 130	108	2.00	BEOMOBENZENE
0ET - 0L	108	00.S	BENZENE
			O.1 :NOITUJIG JADITYJANA
			DATE ANALYZED : 10/ 7/2004
ŎC PIWILR	% KECONEKI	TRUE VALUE	HTYLANA

KEŁEKENGE-3

#### WETHOD: 524.2 DRINKING WATER VOLATILES VOLATILE ORGANICS

#### LABORATORY CONTROL SAMPLE SUMMARY

	0ET - 0L	901	00.2	O-XXPENE
	0ET - 0L	<b>₽</b> 6	4.00	W+b-XAPENE
	06T - 07	EOT	2.00	AINAT CHTOKIDE
	70 - 130	66	2.00	J'S' 4-LKIWELHAPBENSENE
	061 - 07	₽OI	00.S	1'3' 2-LKIWELHALBENZENE
	08T - 07	ZZZ	00.2	1,2,3-TRICHLOROPROPAUE
	08T - 0 <b>L</b>	LOI	00.S	TRICHLOROFLUOROMETHANE
	0ET - 0L	901	00.S	LKICHTOKOELHENE
	0ET - 0L	OII	00.2	1,1,2-TRICHLOROETHANE
	70 - 130	₽OT	00.2	1,1,1-TRICHLOROETHANE
	70 - 130	<b>L</b> 6	00.2	1,2,3-TRICHLOROBENZENE
	70 - 130	66	00.2	1,2,4-TRICHLOROBENZENE
	061 - 07	ZOT	00.S	LOPOENE
	0ET - 0L	<b>₽</b> OI	00.S	TETRACHLOROETHENE
	0ET - 07	IOR	00.S	I, I, S, S-TETRACHLOROETHANE
	061 - 07	T03	00.S	1,1,1,2-TETRACHLOROETHANE
	0ET - 0L	06	00.2	SLAKENE
	0ET - 0L	OOT	2,00	N-PROPYLERENZENE
	0ET - 0L	06	00.S	NAPHTHALENE
	70 - 130	173	2.00	WELHAPENE CHPOKIDE
				O.I ILUTION: 1.0
_				DATE ANALYZED : 10/ 7/2004
-	OC LIMITS	% KECONEKA	TRUE VALUE	
		MUDITODER 6	TILLAN SINGT	ANALYTE
	100 <b>4</b> 22	CAL RUN # :	ITYJANA	KEEEKENCE OKDEK #: 101358

**ZLXKENE** 

N-BKOLATBENZENE

· WELHAPENE CHPOKIDE

ISOPROPYLENZENE

**b-ISOBKODATLOPAEME** 

HEXACHLOROBUTADIENE

I'I-DICHTOKOBKOBENE

I'3-DICHPOKOBKOBYNE

I'S-DICHPOKOBKOBYNE

S'S-DICHPOKOBKOBYNE

J'J-DICHPOKOELHENE

1,2-DICHLOROETHANE

I, I-DICHLOROETHANE

I'3-DICHPOKOBENZENE

J'4-DICHTOKOBENZENE

I'S-DICHTOKOBENZENE

DIBROMOMETHANE

CIS-1'S-DICHPOKOETHENE

TRANS-1, 2-DICHLOROETHENE

DICHTORODIFUOROMETHANE

CIR-1'3-DICHPOKOBENE

TRAUS-1,3-DICHLOROPROPENE

NAPHTHALENE

ELHATBENZENE

#### Keborted: 10/19/04 WETHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

nc\r

NG\F

ng\r

ng\r

ng\r

ng\r

NG\F

nc\r

ng\r

nG\r

NG\F

NG\F

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ng\r

NG\F

ng\r

ng\r

ng\r

ng\r

ng\r

nc\r

ng\r

bb

U 02.0

U 08.0

U 08.0

U 02.0

05.0

05.0

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t sample ID : WETHOD BLANK			
oreived: Submission #:		Sample Matrix: Analytical Run	
E.1	ÞŐF	TLUSAA	STINU
MALYZED : 10/06/04			
FICAL DILUTION: 1.00			
ε	09.0	U 02.0	ne\r
ENEZNE	05.0	U 02.0	nc\r
IPOKOWETHANE	05.0	U 02.0	T/ĐN
CHLOROMETHANE	02.0	U 02.0	ng\r
ЭКМ	09.0	U 02.0	uG\L
HAHT	09.0	U 02.0	ng\r
JIAL ALCOHOL	20	70 O	NG\F
TERT-BUTYL ETHER	05.0	U 02.0	ng\r
LAT BENZEME MAAT BENZEME	05.0	U 02.0	NG\F
BENZEME [APBENZEME	02.0	U 02.0	ne\r
LELEVCHIODIDE  BENZENE	02.0	U 02.0	ng\r
BENZENE LELKYCHPOKIDE	02.0	U 02.0	ne\r
THYRE	02.0	U 02.0	ne\r
РОЕМ	02.0	U 02.0	ne\r
ELHANE	03.0	U 02.0	ng\r
SEOMO-3-CHLOROPROPAUE	02.0	U 03.0	ne/r
COLOTOENE	02.0 02.0	U 02.0	ne\r
SOLOFOENE	05.0	U 02.0 U 02.0	NG\F NG\F
CHLOROMETHANE	05.0	υ ος.ο	7/9A
BOMOETHANE	09.0	U 02.0	ne\r

#### Keported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL VOLATILE ORGANICS

**₽OT** 

76

U 02.0

U 02.0

U 02.0

U 02.0

U 02.0

U 02.0

ng\r

ng\r

nc\r

NG\F

ng\r

ng\r

Project Reference:

1'S-DICHPOKOBENZENE-D4

SURROGATE RECOVERIES

J'S' 4-LKIWELHXIBENZENE

I'3'2-LKIWELHXIBENSENE

I'S'3-TRICHLOROPROPAUE

BKOWOŁTNOKOBENZENE

O-XXPENE

W+b-XXPENE

AINAT CHPOKIDE

Client Sample ID : METHOD BLANK

109455	_	928797	:# Tabro :# noisaimdu2	Oate Sampled : Date Received:
STINU	Tuvaaa	ÞŐP		ANALYTE
			<b>#0/90/</b> 01	DATE ANALYZED :
			00.1	SUPPLICATION:
ne\r	U 02.0	05.0	7NE	I, 1, 1, 2-TETRACHLOROETH
nc\r	u oz.o	05.0	ME	I, 1, 2, 2 - TETRACHLOROETHE
nG\r	U 02.0	05.0		LETRACHLOROETHENE
ne\r	U 02.0	09.0		LOLUENE
ne\r	U 02.0	02.0		I, 2, 4-TRICHLOROBENZENE
ne\r	U 02.0	02.0		I, 2, 3 - TRICHLOROBENZENE
ne\r	U 02.0	02.0		I, I, I-TRICHLOROETHANE
ng\r ng\r	U 02.0	02.0		LY 1, 2 - TRICHLOROETHANE
ne\r ne\r	U 02.0 U 02.0	02.0 02.0		FIGHTOROFINDE
1/511				

(% OET -

(% OET -

05.0

05.0

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OC LIMITS

04)

04)

#### Keported: 10/19/04 METHOD 524.2 DRINKING WATER VOLATIL **NOLATILE ORGANICS**

ng\r

NG\F

ne\r

NG\F

ne\r

97

U 02.0

U 02.0

U 02.0

U 02.0

U 02.0

05.0

05.0

05.0

02.0

05.0

Project Reference:

SLXKENE

N-PROPYLENZENE

WELHATENE CHTOKIDE

**b-ISOPROPYLOLUENE** 

NAPHTHALENE

Client Sample ID : METHOD BLANK

### VOLATILE ORGANICS WETHOD 524.2 DRINKING WATER VOLATIL Reported: 10/19/04

Client Sample ID : WETHOD BLANK Project Reference:

ANALYTICAL DILUTION: 1.00

				 ₱0/८0/OI :	DATE ANALYZED
	STINU	RESULT	ьбг		ANALYTE
·=···		Sample Matrix: V	826797	 rebro notasimdus	Date Sampled : Date Received:

90 90	TOT 06	4 .	T'S-DICHTOKOBENZENE-D4 (AC
		SIIWIT 3	SURROGATE RECOVERIES QC
ne\r ne\r ne\r ne\r ne\r ne\r ne\r ne\r	U 08.0 U 08.0 U 08.0 U 08.0 U 08.0 U 08.0 U 08.0 U 08.0 U 08.0	09.0 09.0 09.0 09.0 09.0 09.0 09.0 09.0	1,1,1,2-TETRACHLOROETHANE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,2,4-TRICHLOROBENZENE 1,1,2-TRICHLOROETHANE TRICHLOROETHANE TRICHLOROETHANE TRICHLOROETHANE 1,2,3-TRICHLOROETHANE 1,2,3-TRICHLOROPROPANE 1,2,4-TRIMETHYLBENZENE 1,2,4-TRIMETHYLBENZENE 1,2,4-TRIMETHYLBENZENE 1,2,4-TRIMETHYLBENZENE 1,2,5-TRIMETHYLBENZENE 1,2,5-TRIMETHYLBENZENE 1,2,4-TRIMETHYLBENZENE 1,2,5-TRIMETHYLBENZENE 1,2,5-TRIMETHYLBENZENE 1,2,5-TRIMETHYLBENZENE 1,2,5-TRIMETHYLBENZENE 1,3,5-TRIMETHYLBENZENE 1,2,5-TRIMETHYLBENZENE

# Company One Mustard St., Suite 250 \* Rochester, NY 14609-0859 \* (585) 289-5880 \* \$00-885-7222 x(1 \* FAX (585) 289-8475 PAGE 完始的500

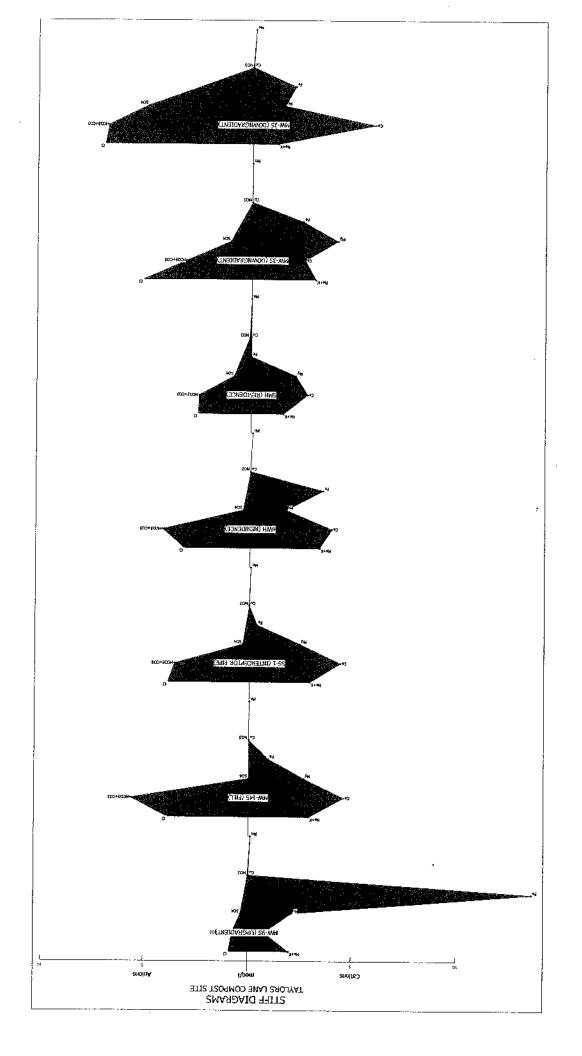
പ്ര - നില്യാ പ്ര	5 No- 5	l	Printed Names No. 1-05		,	HELINGWISHED BY	SAMPLE RECEIPT: CONDITION/COOLER TEMP:	See QAPP		- vac:	24.15	LNYSDEC PAT 360	SPECIAL INSTRUCTIONS/COMMENTS			*		35 cat#		#103 >FI	_		CALL CALLY	CHENT SAMPLE ID	Signature	May 845 492 3100	Harring 25	4 Commerce Drive	Campanyihotores Shaw Em	のいろっている	Mamagneck	Prolati Manus
भ - Lab Copy; Pink - Relained by Gilent	DU 945	CACS . E . E . E	Codon O. Gineran	Signatury Mille Servings		HECEIVEO BY	LER TEMP:		,		ro.	Z)					975	4					0	FOR OFFICE USE ONLY DATE TIME	Samplay's Prigited Natine		6	x South	mean lowT, Inc.		191130.0	Project Number
	Osia/Time	Trm .	Printed Nama	ST JOILES		RELIMOUSHED BY	CUSTODY SEALS:				Leademercus						1306	1335 GW	1512 GW	1416 GW	1150 GW	2(1)	0201	PLING MATRIX	7	3/01	] ]					
,						. ,	ALS: Y Z	'		, ,		: 3 			1	W	\sqrt{\sq}\ext{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	10	13	13	13	13	<u>13</u>	/ GC 8	MSI	OA's		TAINE	RS		PRESERVATIVE	,
44 <sup>1</sup>	Dalyfilmo		Printed Name	Signeture		, RECEIVED BY				REGUESTED REPORT DATE	REQUESTED FAX DATE	X-SYAMPARD	TUHNAHÖÜND REQUIREMENTS RUSH (SURCHARGES AFFLY)											G 6 E 8 PC	VOA STICE B's	7525 5 601 DES 1608	5 CI 502 502	P				ANALYSIS REC
	, IFO4				, r 7 .	, , , ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;			· ·	•		5, day	HEMENTS			-		-	<u>. 11</u>		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			E SE SE	TALS In co	TOTA Inmer DIS	D CC	low)				NESTED (Inc
	Dalerione ~	7	H-LBOS/LNBINA	Signature"		. SEGINGE		EL SA	V. Spekrafted Fo	IV. Dola Velidato	III. Results + QC and Cybrellon Gurroscibs		REPORT REQUIREMENTS			(J	. (03	3	331	S W	\$ \$\cdot \cdot \cd	3 (	<b> </b>	V	oas	<u>5</u> 2	10 pts 10 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	Plow	<u></u>		-	ANALYSIS REQUESTED (Include Method Number and Container Preservative):
В	. 1.		je.			REGINGOISHED BY .		\   	V. Spelostood Forms / Ouetom Paport	1V. Onla Velidation Report with Paw Data	and Cathrelium	Sancosiks ASD és required)	JUREMENTS						-						<u>                                     </u>				/·./ :/.	<del>                                     </del>		ber end Contains
1. 2.	OdlavTime			SQUELLE	;		1111	2 kolstvinos	* ; ·	, 15	, A. C.	PQt	. NVOIC	-   ' 			, ,						*	ALTE						1.		r Preservative)
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All samples OK	[d]l
2-9** P/PCBs (608 only)	EZ =
· · · · · · · · · · · · · · · · · · ·	
X   for TCN & Phenol   X	SisəЯ
X 'os'H z	
Z FONH Z	
HO <sub>8</sub> N 21	
рн Кеаделт	
YES NO Sample J.D. Reagent Vol. Added	
in any discrepancies:	siqx
	,[4.
The second secon	
1 1 1 1 and a second account a	
Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO	
T Breakdown: Date: 920/000 by: MOC	ηυυ
· · ·	
of Temperature, Client Approval to Run Samples	iuo 1
Thennometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle	
Date/Time Temperatures Taken: 9-34-04 @ 9:56	
II No, Explain Below No No No No	
Is the temperature within 0° - 6° C?: (Yes) (Yes) Yes Yes Yes	
Temperature of cooler(s) upon receipt:	
Where did the bottles originate?	
mem is codoto	
	•
Comment of the commen	•
UV. ( C.J. I.) Other straye in good condition (iii) (C.J. I.)	•
	•
Were custody papers properly filled out (ink, signed, etc.)?	•
	•
Were custody papers properly filled out (ink, signed, etc.)?  Were custody papers properly filled out (ink, signed, etc.)?  Were custody papers properly filled out (ink, signed, etc.)?	•
Were custody papers properly filled out (ink, signed, etc.)?  Were custody seals on outside of cooler?  Were custody papers properly filled out (ink, signed, etc.)?	

Other Comments:

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

### APPENDIX C



#### APPENDIX D APPENDIX D

### BEGION 3 OFFICE DIVISION OF ENVIRONMENTAL REMEDIATION NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## Leachate Investigation at Mamaroneck Taylor Lane Leaf Compost Site Site Number 360021



December 7004